PARAGON ANALYTICS
225 Commerce Drive • Fort Collins, CO 80524 • (800) 443-1511 • (970) 490-1511 • FAX (970) 490-1522

July 26, 2005

Mr. Steve Pullen
NMED Hazardous Waste Bureau
2905 Rodeo Park Dr. East, Bldg. 1
Santa Fe, NM 87505

Re: Paragon Workorder: 05-06-217
Client Project Name: Gandy Marley, Inc.
Client Project Number: None Submitted

Dear Mr. Pullen:

Two water, nine soil and nine leachate samples were received from NMED Oversight Bureau on June 24, 2005. The samples were scheduled for the following analyses:

Metals	pages 1-557	Total Volatile Petroleum Hydrocarbons pages 1-92
GC/MS Volatiles	pages 1-156	Total Extractable Hydrocarbons (Diesel)pages 1-123
GC/MS Semivolatiles	pages 1-364	

The results for these analyses are contained in the enclosed reports.

Thank you for your confidence in Paragon Analytics, Inc. should you have any questions, please call.

Sincerely,

Paragon Analytics, Inc.
Lance Steere
Senior Project Manager

LRS/ja
Enclosure: Report

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0506217
Client Name: NMED DOE Oversight Bureau
Client Project Name: Gandy Marley, Inc.
Client Project Number:
Client PO Number:

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
GMI-UST-1	0506217-1		SOIL	22-Jun-05	11:55
GMI-UST-2	0506217-2		SOIL	22-Jun-05	12:30
GMI-UST-3	0506217-3		SOIL	22-Jun-05	15:00
GMI-UST-4	0506217-4		SOIL	22-Jun-05	15:30
GMI-UST-5	0506217-5		SOIL	22-Jun-05	16:10
GMI-UST-6	0506217-6		SOIL	22-Jun-05	16:11
GMI-LBB-2	0506217-7		SOIL	22-Jun-05	16:30
GMI-LBB-1	0506217-8		SOIL	22-Jun-05	16:50
GMI-VOR	0506217-9		SOIL	22-Jun-05	17:16
GMI-Evap Tank East	0506217-10		WATER	22-Jun-05	17:40
GMI-Evap Tank West	0506217-11		WATER	22-Jun-05	18:00
GMI-UST-1	0506217-12		LEACHAT	22-Jun-05	11:55
GMI-UST-2	0506217-13		LEACHAT	22-Jun-05	12:30
GMI-UST-3	0506217-14		LEACHAT	22-Jun-05	15:00
GMI-UST-4	0506217-15		LEACHAT	22-Jun-05	15:30
GMI-UST-5	0506217-16		LEACHAT	22-Jun-05	16:10
GMI-UST-6	0506217-17		LEACHAT	22-Jun-05	16:11
GMI-LBB-2	0506217-18		LEACHAT	22-Jun-05	16:30
GMI-LBB-1	0506217-19		LEACHAT	22-Jun-05	16:50
GMI-VOR	0506217-20		LEACHAT	22-Jun-05	17:16

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0506217

Chain-of-Custody Date _____ Page ___ of ___

Originator: Retain pink copy

Project Name / No.: Gandy Marley, Inc **Sampler(s):** S.P., M.C. Turnaround (circle one): (Standard) or Rush (Due _____) Dispose: Date ALAP or Return to Client

Report To: STEVE PULLEN
Phone: 505-428-2544
Fax:
E-mail: STEVE.PULLEN@state.nm.us
Company: NM ENVIRONMENT. HAZ. WASTE
Address: 2905 RODEO PARK DR. EAST
BLDG. 1
SANTA FE, NM 87502

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type)	No. of Containers	VOCs SW8260B E624 E524.2	BTEX (only) SW8021B	SVOCs SW8270C E625	OC Pesticides SW8081A E608	PCBs SW8082 E608	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 SW6010B SW7470	Total Metals by ICP SW6010B 7470 7471 E200 ILMO__	Dissolved Metals by ICP SW6010B 7470 E200 ILMO__	Total Metals by ICP/MS SW6020 E200.8 ILMO__	Dissolved Metals by ICP/MS SW6020 E200.8 ILMO__	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH GRO DRO SW8015B (both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 228 SW9320 E904.0	Radium 226 E903.1	Strontium 89 D5811-00	Strontium 90 D5811-00	Gamma Isotopes E901.1
GMI-UST 1	6/22	11:55	1	S	NA	1									X									X								
GMI-UST-2	6/22	1230	2	S	"	1									X									X								
GMI-UST-3	"	1500	3	S	"	1									X									X								
GMI-UST-4	"	1590	4	S	"	1									X									X								
GMI-UST-5	"	1610	5	S	"	1									X									X								
GMI-UST-6	"	1611	6	S	"	1									X									X								
GMI-LBB-2	"	1630	7	S	"	1									X									X								
GMI-LBB-1	"	1650	8	S	"	1									X									X								
GMI-VOR	"	1716	9	S	"	1									X									X								
GMI-EVAP TANK EAST	"	1740	10	W	"	4	X		X							X																
GMI EVAP TANK WEST	"	1800	11	W	"	4	X		X							X																

* Time Zone: EST CST (MST) PST **Matrix Key:** O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments:

Soil Samples - Report TPH results ASAP. May run TCLP VOCs & SVOCs.

Form 202r5.xls (4/6/04)

Relinquished By: (1)	Relinquished By: (2)
Signature: Steve Pullen	Signature:
Printed Name:	Printed Name:
Date: 6/23/05 Time: 1430	Date: Time:
Company: NMED.	Company:

Received By: (1)	Received By: (2)
Signature: Matt Workman	Signature:
Printed Name: Matt Workman	Printed Name:
Date: 6/24/05 Time: 1000	Date: Time:
Company: Paragon	Company:

Paragon Analytics

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 0506217

Project Manager: LRS Initials: MW Date: 6/24/05

1.	Does this project require any **special handling** in addition to standard Paragon procedures?		YES	(NO)
2.	Is **pre-screening** required per SOP 008?		YES	(NO)
3.	Are custody **seals** on **shipping containers** intact?	N/A	(YES)	NO
4.	Are custody **seals** on **sample containers** intact?	(N/A)	YES	NO
5.	Is there a **COC (Chain-of-Custody) present** or other representative documents?		(YES)	NO
6.	Is the **COC** (if applicable) **complete and legible**?	N/A	(YES)	NO
7.	Are **bottle IDs legible** and in **agreement** with **COC sample IDs**?	N/A	YES	(NO)
8.	Is the COC in agreement with samples received? (**# of samples, # of containers, matrix**)	N/A	(YES)	NO
9.	Were **airbills** present and/or removable?	N/A	(YES)	NO
10.	Are all **aqueous samples** requiring preservation **preserved correctly**? (excluding volatile organics)	N/A	YES	(NO)
11.	Are all aqueous **non-preserved samples** at the **correct pH**?	N/A	(YES)	NO
12.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
13.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
14.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
15.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
16.	Are all samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble**: ✓ < green pea ____ > green pea	N/A	YES	(NO)
17.	Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
18.	Were the sample(s) **shipped on ice**?	N/A	(YES)	NO
19.	Were cooler temperatures measured at 0.1-6.0°C?	N/A	(YES)	NO

***IR gun used** *(circle one)*: #2 - Oakton InfraPro II, SN2922500201-0066; (#4) - Oakton InfraPro II, SN2372220101-0002

Cooler #'s 1

Temperature (°C) 3.2

No. of custody seals 2

DOT Survey/ Acceptance Information

External µR/hr reading 14

Background µR/hr reading 12

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) / NO (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE EXCEPT #1 AND #2.

- Metals bottles for samples 10 + 11 rec'd unpreserved. Potential organics suspected prevented preservation in field, will be filtered and preserved as needed by laboratory.
- ID discrepancies - see p. 2
- Both VOA bottles for sample 10 rec'd w/ headspace.

If applicable, was the client contacted? (YES) / NO / NA Contact Name: S. Pullen Date/Time: 6/24

Project Manager Signature/ Date: 6/24/05

Form 201r18.xls (6/26/04)

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: NMED Workorder No: 0506217

Project Manager: CRS Initials: MN Date: 6/24/05

Sample ID Discrepancy:

	COC Information				Bottle Information			
Paragon ID	Client ID	Date	Time	Analysis	Bottle ID	Date	Time	Analysis
0506217-3	GMI-UST-3	6/22/05	1500	TCLP/TPH	GMI-Cell-3	6/22/05	1500	TCLP/TPH
-4	GMI-UST-4	↓	1530	↓	GMI-Cell-4	↓	1530	↓
-5	GMI-UST-5	↓	1610	↓	GMI-Cell-5	↓	1610	↓
-6	GMI-UST-6	↓	1611	↓	GMI-Cell-6	↓	1611	↓

Logged per COC until notified otherwise.

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: 6/24

FedEx Express US Airbill

FedEx Tracking Number 8517 7528 4513

1 From

Date 6/23/05 [redacted]

Sender's Name STEVE POLLEN Phone 505 438 8544

Company NM ENVIRONMENT Dept.

Address 2905 RODEO RD. EAST BLD. 1 Dept./Floor/Suite/Room

City SANTA FE State NM ZIP 87502

2 Your Internal Billing Reference

3 To

Recipient's Name LANCE STEERE Phone 970 490 1511

Company PARAGON ANALYTICAL

Recipient's Address 225 COMMERCE Dr.

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City Ft. COLLINS State CO ZIP 80524

8517 7528 4513

L

Recipient's Co

4a Express Package Service — Packages up to 15

- [x] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day at select locations

† Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

[redacted] 12 [redacted]

Total Packages	Total Weight	Total Declared Value†	Total Charges
1	57	$ .00	

† Our liability is limited to $100 unless you declare a higher value. See back for details.

Credit Card Auth

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com
or call 1.800.GoFedEx 1.800.463.3339.

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467

Paragon Analytics

METALS CASE NARRATIVE

NMED DOE Oversight Bureau

Gandy Marley, Inc.

Order Number - 0506217

1. This report consists of 2 water samples and 9 leachate samples.
2. The samples were received cool and intact on 06/24/05.
3. The water samples had not been preserved correctly prior to receipt. The samples preserved with nitric acid to a pH less than two prior to analysis.
4. The samples were prepared for analysis based on SW-846, 3rd Edition procedures.

   For analysis by Trace ICP, the water samples were digested following method 3005A and PA SOP 806 Rev. 11. The leachate samples were processed through the TCLP leaching procedure based on method 1311. The leachates were then digested at a ten-fold dilution. The leachates were digested following method 3010A and PA SOP 806 Rev. 11.

   For analysis by Cold Vapor AA (CVAA), the samples were digested following method 7470A and PA SOP 812 Rev. 11.
5. The samples were analyzed following SW-846, 3rd Edition procedures.

   Analysis by Trace ICP followed method 6010B and PA SOP 834 Rev. 4.

   The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution. The equation which relates intensity to concentration is:

$$I = A_0 + (A_1 * c^n) + (A_2 * c^{2n})$$

where: I = intensity

c = concentration

A_0 = offset coefficient

A_1 = gain coefficient

A_2 = curvature coefficient

n = exponent coefficient

During sample analysis concentrations are computed by the software and the results are printed in mg/L. The instrument software does not provide a printout which gives both intensity and concentration. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations at two times those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

Analysis by CVAA followed method 7470A and PA SOP 812 Rev. 11.

The relationship between intensity and concentration is determined daily, prior to sample analysis. At least five standards and a blank solution are analyzed to establish the calibration curve. The instrument software performs a linear regression to fit the calibration data to a curve of the form:

$$conc. = B * I + C$$

where: conc. = concentration

B = slope coefficient

I = intensity

C = intercept coefficient

A printout summarizing the calibration data supplies the calibration curve and correlation coefficient. During sample analysis both intensity and concentration values are printed. Dilutions are made for concentrations above the highest calibration standard. No results are taken from extrapolations above the highest standard.

6. All standards and solutions are NIST traceable and were used within their recommended shelf life.

7. The samples were prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

8. General quality control procedures.

   - A filter (method) blank and laboratory control sample were digested at the same time as the Trace ICP water samples. A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in each remaining digestion batch. There were not more than 20 samples in each digestion batch.

- The preparation (method) blank associated with each digestion batch was below the practical quantitation limit for each requested analyte.
- The laboratory control sample associated with each digestion batch was within the acceptance limits. This indicates complete digestion according to the method.
- All initial and continuing calibration blanks associated with each analytical batch were below the practical quantitation limits for the requested analytes.
- All initial and continuing calibration verifications associated with each analytical batch were within the acceptance criteria for the requested analytes. This indicates a valid calibration and stable instrument conditions.
- The interference check samples and high standard readbacks associated with Method 6010B analyses were within acceptance criteria.

9. Matrix specific quality control procedures.

   Samples 0506217-12 and -17 were designated as the quality control samples for the leachate Trace ICP analyses. Sample 0506217-15 was designated as the quality control sample for the leachate mercury analysis. Per method requirements, matrix QC was performed for each water analysis. Since a sample from this order number was not the selected quality control (QC) sample, matrix specific QC results for the water analyses are not included in this report.

   Similarity of matrix and therefore relevance of the QC results should not be automatically inferred for any sample other than the native sample selected for QC.

   - A matrix spike and matrix spike duplicate were digested and analyzed with each leachate batch. All acceptance criteria for accuracy were met.
   - A sample duplicate and matrix spike duplicate were digested and analyzed with each leachate batch. All acceptance criteria for precision were met.
   - A serial dilution was analyzed with each leachate ICP batch. All acceptance criteria were met.

10. Sample dilutions were not required for the requested analyses.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Crystal Halverson Data Reporting Specialist	7/25/05 Date
RF Reviewer's Initials	7/25/05 Date

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0506217
Client Name: NMED DOE Oversight Bureau
Client Project Name: Gandy Marley, Inc.
Client Project Number:
Client PO Number: 22-667-55-02459

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
GMI-UST-1	0506217-1		SOIL	22-Jun-05	11:55
GMI-UST-2	0506217-2		SOIL	22-Jun-05	12:30
GMI-UST-3	0506217-3		SOIL	22-Jun-05	15:00
GMI-UST-4	0506217-4		SOIL	22-Jun-05	15:30
GMI-UST-5	0506217-5		SOIL	22-Jun-05	16:10
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GMI-LBB-2	0506217-7		SOIL	22-Jun-05	16:30
GMI-LBB-1	0506217-8		SOIL	22-Jun-05	16:50
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GMI-UST-3	0506217-14		LEACHAT	22-Jun-05	15:00
GMI-UST-4	0506217-15		LEACHAT	22-Jun-05	15:30
GMI-UST-5	0506217-16		LEACHAT	22-Jun-05	16:10
GMI-UST-6	0506217-17		LEACHAT	22-Jun-05	16:11
GMI-LBB-2	0506217-18		LEACHAT	22-Jun-05	16:30
GMI-LBB-1	0506217-19		LEACHAT	22-Jun-05	16:50
GMI-VOR	0506217-20		LEACHAT	22-Jun-05	17:16

Chain of Custody

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0506217

Chain-of-Custody Date _____ Page ___ of ___

Originator: Retain pink copy

Project Name / No.: GANDY MARLEY, INC Sampler(s): S.P., M.C. Turnaround (circle one): (Standard) or Rush (Due _____) Dispose: Date ASAP or Return to Client

Report To: STEVE PULLEN
Phone: 505-428-2544
Fax:
E-mail: STEVE.PULLEN@state.nm.us
Company: NM ENVIRONMENT. HAZ. WASTE
Address: 2905 RODEO PARK DR. EAST
BLDG. 1
SANTA FE, NM 87502

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type)	No. of Containers	VOCs SW8260B E624 E524.2	BTEX (only) SW8021B	SVOCs SW8270C E625	OC Pesticides SW8081A E608	PCBs SW8082 E608	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 SW6010B SW7470	Total Metals by ICP SW6010B 7470 7471 E200 ILMO___	Dissolved Metals by ICP SW6010B 7470 E200 ILMO___	Total Metals by ICP/MS SW6020 E200.8 ILMO___	Dissolved Metals by ICP/MS SW6020 E200.8 ILMO___	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH (GRO) (DRO) SW8015B (both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1	Radium 228 SW9320 E904.0	Strontium 89 D5811-00	Strontium 90 D5811-00	Gamma Isotopes E901.1
GMI-UST 1	6/22	11:55	1	S	NA	1									X									X								
GMI-UST-2	6/22	1230	2	S	"	1									X									X								
GMI-UST-3	"	1500	3	S	"	1									X									X								
GMI-UST.4	"	1530	4	S	"	1									X									X								
GMI-UST.5	"	1610	5	S	"	1									X									X								
GMI-UST.6	"	1611	6	S	"	1									X									X								
GMI-LBB-2	"	1630	7	S	"	1									X									X								
GMI-LBB-1	"	1650	8	S	"	1									X									X								
GMI-VOR	"	1716	9	S	"	1									X									X								
GMI-EVAP TANK EAST	"	1740	10	W	"	4	X		X							X																
GMI EVAP TANK WEST	"	1800	11	W	"	4	X		X							X																

* Time Zone: EST CST (MST) PST Matrix Key: O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments:

SOIL SAMPLES - Report TPH results ASAP. MAY RUN TCLP VOCs & SVOCs.

Form 202r5.xls (4/6/04)

Relinquished By: STEVE PULLEN (1)	Relinquished By: (2)
Signature [signature]	Signature
Printed Name	Printed Name
Date 6/23/05 Time 1430	Date ____ Time ____
Company NMED.	Company

Received By: (1)	Received By: (2)
Signature [signature]	Signature
Printed Name Matt Warnen	Printed Name
Date 6/24/05 Time 1000	Date ____ Time ____
Company Paragon	Company

Paragon Analytics

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 0506217

Project Manager: LRS Initials: MN Date: 6/24/05

1.	Does this project require any **special handling** in addition to standard Paragon procedures?		YES	(NO)
2.	Is **pre-screening** required per SOP 008?		YES	(NO)
3.	Are custody **seals** on **shipping containers** intact?	N/A	(YES)	NO
4.	Are custody **seals** on **sample containers** intact?	(N/A)	YES	NO
5.	Is there a **COC (Chain-of-Custody) present** or other representative documents?		(YES)	NO
6.	Is the **COC** (if applicable) **complete and legible**?	N/A	(YES)	NO
7.	Are **bottle IDs legible** and in **agreement** with **COC sample IDs**?	N/A	YES	(NO)
8.	Is the COC in agreement with samples received? (**# of samples, # of containers, matrix**)	N/A	(YES)	NO
9.	Were **airbills** present and/or removable?	N/A	(YES)	NO
10.	Are all **aqueous samples** requiring preservation **preserved correctly**? (excluding volatile organics)	N/A	YES	(NO)
11.	Are all aqueous **non-preserved samples** at the **correct pH**?	N/A	(YES)	NO
12.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
13.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
14.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
15.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
16.	Are all samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble:** ✓ < green pea ___ > green pea	N/A	YES	(NO)
17.	Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
18.	Were the sample(s) **shipped on ice**?	N/A	(YES)	NO
19.	Were cooler temperatures measured at 0.1-6.0°C?	N/A	(YES)	NO

***IR gun used** *(circle one)*: #2 - Oakton InfraPro II, SN2922500201-0066; (#4) - Oakton InfraPro II, SN2372220101-0002

Cooler #'s 1

Temperature (°C) 3.2

No. of custody seals 2

DOT Survey/ Acceptance Information

External µR/hr reading 14

Background µR/hr reading 12

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) / NO (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE EXCEPT #1 AND #2.

- Metals bottles for samples 10 + 11 rec'd unpreserved. Potential organics suspected prevented preservation in field, will be filtered and preserved as needed by laboratory.
- ID discrepancies - see p. 2
- Both VOA bottles for sample 10 rec'd w/ headspace

If applicable, was the client contacted? (YES) / NO / NA Contact Name: S. Pullen Date/Time: 6/24

Project Manager Signature/ Date: 6/24/05

Form 201r18.xls (6/26/04)

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: NMED Workorder No: 0506217

Project Manager: CRS Initials: MN Date: 6/24/05

Sample ID Discrepancy:

	COC Information				Bottle Information			
Paragon ID	Client ID	Date	Time	Analysis	Bottle ID	Date	Time	Analysis
0506217-3	GMI-UST-3	6/22/05	1500	TCLP/TPH	GMI-Cell-3	6/22/05	1500	TCLP/TPH
-4	GMI-UST-4		1530		GMI-Cell-4		1530	
-5	GMI-UST-5		1610		GMI-Cell-5		1610	
-6	GMI-UST-6		1611		GMI-Cell-6		1611	

Logged per COC until notified otherwise.

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: 6/24

Form 201r18.xls (6/26/04)

FedEx. US Airbill Express

FedEx Tracking Number 8517 7528 4513

Recipients Cop

1 From

Date 6/23/07 [redacted]

Sender's Name STEVE FOLLEN Phone 505 428 2544

Company NM ENVIRONMENT Dept.

Address 2905 RODEO RD. EAST BLD. 1 Dept./Floor/Suite/Room

City SANTA FE State NM ZIP 87502

2 Your Internal Billing Reference

3 To

Recipient's Name LANCE STEERE Phone 970 490 1511

Company PARAGON ANALYTICAL

Recipient's Address 285 COMMERCE DR.

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City FT. COLLINS State CO ZIP 80524

8517 7528 4513

4a Express Package Service — Packages up to 150 lb.

- [x] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service — Packages over 150 lb.

- [ ] FedEx 1Day Freight* — Next business day**
- [x] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling

- [ ] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment Bill to:

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card

Enter FedEx Acct. No. or Credit Card No. below.

Total Packages	Total Weight	Total Declared Value†	Total Charges
1	57	$ .00	

†Our liability is limited to $100 unless you declare a higher value. See back for details.

Credit Card Auth.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339.

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467

Inorganic Qualifiers

Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Result qualifier -- If the analyte was analyzed for but not detected a "U" is entered.

- QC qualifier -- Specified entries and their meanings are as follows:

  E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

  M - Duplicate injection precision was not met.

  N - Spiked sample recovery not within control limits. A post spike is analyzed for all 6010B analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

  Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

  * - Duplicate analysis (relative percent difference) not within control limits.

Sample Results-Water

Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank East
Lab ID: 0506217-10

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 29-Jun-05
Date Analyzed: 30-Jun-05
Prep Method: SW3005A

Prep Batch: IP050629-2
QCBatchID: IP050629-2-4
Run ID: IT050630-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50630A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.03	0.01		
7440-39-3	BARIUM	1	0.26	0.1		
7440-43-9	CADMIUM	1	0.005	0.005	U	
7440-47-3	CHROMIUM	1	0.01	0.01	U	
7439-92-1	LEAD	1	0.11	0.003		
7782-49-2	SELENIUM	1	0.005	0.005	U	
7440-22-4	SILVER	1	0.01	0.01	U	

Data Package ID: *IT0506217-1*

Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 29-Jun-05
Date Analyzed: 30-Jun-05
Prep Method: SW3005A

Prep Batch: IP050629-2
QCBatchID: IP050629-2-4
Run ID: IT050630-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50630A

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.031	0.01		
7440-39-3	BARIUM	1	1.2	0.1		
7440-43-9	CADMIUM	1	0.005	0.005	U	
7440-47-3	CHROMIUM	1	0.01	0.01	U	
7439-92-1	LEAD	1	0.003	0.003	U	
7782-49-2	SELENIUM	1	0.005	0.005	U	
7440-22-4	SILVER	1	0.01	0.01	U	

Data Package ID: *IT0506217-1*

Total MERCURY

Method SW7470A

Sample Results

Lab Name: Paragon Analytics
Client Name: NMED DOE Oversight Bureau
Client Project ID: Gandy Marley, Inc.
Work Order Number: 0506217
Reporting Basis: As Received
Prep Method: METHOD
Final Volume: 20 ml
Matrix: WATER
Result Units: mg/l

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
GMI-Evap Tank East	0506217-10	06/22/2005	06/30/2005	06/30/2005	N/A	1	0.0002	0.0002	U	20 ml
GMI-Evap Tank West	0506217-11	06/22/2005	06/30/2005	06/30/2005	N/A	1	0.0002	0.0002	U	20 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *HG0506217-1*

Sample Results-Leachate

TCLP ICP Metals

Method SW6010B--TCLP Leachate

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-1
Lab ID: 0506217-12

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50714

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.1	0.1	U	
7440-39-3	BARIUM	1	1	1	U	
7440-43-9	CADMIUM	1	0.05	0.05	U	
7440-47-3	CHROMIUM	1	0.1	0.1	U	
7439-92-1	LEAD	1	0.03	0.03	U	
7782-49-2	SELENIUM	1	0.05	0.05	U	
7440-22-4	SILVER	1	0.1	0.1	U	

Data Package ID: *IT0506217-2*

TCLP ICP Metals

Method SW6010B--TCLP Leachate

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-2
Lab ID: 0506217-13

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50714

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.1	0.1	U	
7440-39-3	BARIUM	1	1	1	U	
7440-43-9	CADMIUM	1	0.05	0.05	U	
7440-47-3	CHROMIUM	1	0.1	0.1	U	
7439-92-1	LEAD	1	0.03	0.03	U	
7782-49-2	SELENIUM	1	0.05	0.05	U	
7440-22-4	SILVER	1	0.1	0.1	U	

Data Package ID: *IT0506217-2*

TCLP ICP Metals

Method SW6010B--TCLP Leachate

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-3
Lab ID: 0506217-14

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50714

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.1	0.1	U	
7440-39-3	BARIUM	1	1	1	U	
7440-43-9	CADMIUM	1	0.05	0.05	U	
7440-47-3	CHROMIUM	1	0.1	0.1	U	
7439-92-1	LEAD	1	0.03	0.03	U	
7782-49-2	SELENIUM	1	0.05	0.05	U	
7440-22-4	SILVER	1	0.1	0.1	U	

Data Package ID: *IT0506217-2*

TCLP ICP Metals

Method SW6010B--TCLP Leachate

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-4
Lab ID: 0506217-15

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50714

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.1	0.1	U	
7440-39-3	BARIUM	1	1.1	1		
7440-43-9	CADMIUM	1	0.05	0.05	U	
7440-47-3	CHROMIUM	1	0.1	0.1	U	
7439-92-1	LEAD	1	0.03	0.03	U	
7782-49-2	SELENIUM	1	0.05	0.05	U	
7440-22-4	SILVER	1	0.1	0.1	U	

Data Package ID: *IT0506217-2*

TCLP ICP Metals

Method SW6010B--TCLP Leachate

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-5
Lab ID: 0506217-16

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50714

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.1	0.1	U	
7440-39-3	BARIUM	1	1	1	U	
7440-43-9	CADMIUM	1	0.05	0.05	U	
7440-47-3	CHROMIUM	1	0.1	0.1	U	
7439-92-1	LEAD	1	0.038	0.03		
7782-49-2	SELENIUM	1	0.05	0.05	U	
7440-22-4	SILVER	1	0.1	0.1	U	

Data Package ID: *IT0506217-2*

TCLP ICP Metals

Method SW6010B--TCLP Leachate

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-6
Lab ID: 0506217-17

LEACH DATE: 7/6/2005

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 07-Jul-05
Date Analyzed: 08-Jul-05
Prep Method: SW3010A

Prep Batch: IP050707-1
QCBatchID: IP050707-1-1
Run ID: IT050708-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50708

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.1	0.1	U	
7440-39-3	BARIUM	1	1.1	1		
7440-43-9	CADMIUM	1	0.05	0.05	U	
7440-47-3	CHROMIUM	1	0.1	0.1	U	
7439-92-1	LEAD	1	0.03	0.03	U	
7782-49-2	SELENIUM	1	0.05	0.05	U	
7440-22-4	SILVER	1	0.1	0.1	U	

Data Package ID: *IT0506217-2*

TCLP ICP Metals

Method SW6010B--TCLP Leachate

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-LBB-2
Lab ID: 0506217-18

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50714

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.1	0.1	U	
7440-39-3	BARIUM	1	1.3	1		
7440-43-9	CADMIUM	1	0.05	0.05	U	
7440-47-3	CHROMIUM	1	0.1	0.1	U	
7439-92-1	LEAD	1	0.03	0.03	U	
7782-49-2	SELENIUM	1	0.05	0.05	U	
7440-22-4	SILVER	1	0.1	0.1	U	

Data Package ID: *IT0506217-2*

TCLP ICP Metals

Method SW6010B--TCLP Leachate

Sample Results

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-LBB-1
Lab ID: 0506217-19

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50714

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.1	0.1	U	
7440-39-3	BARIUM	1	1	1	U	
7440-43-9	CADMIUM	1	0.05	0.05	U	
7440-47-3	CHROMIUM	1	0.1	0.1	U	
7439-92-1	LEAD	1	0.03	0.03	U	
7782-49-2	SELENIUM	1	0.05	0.05	U	
7440-22-4	SILVER	1	0.1	0.1	U	

Data Package ID: *IT0506217-2*

TCLP ICP Metals

Method SW6010B--TCLP Leachate

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-VOR
Lab ID: 0506217-20

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50714

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.1	0.1	U	
7440-39-3	BARIUM	1	1	1	U	
7440-43-9	CADMIUM	1	0.05	0.05	U	
7440-47-3	CHROMIUM	1	0.1	0.1	U	
7439-92-1	LEAD	1	0.03	0.03	U	
7782-49-2	SELENIUM	1	0.05	0.05	U	
7440-22-4	SILVER	1	0.1	0.1	U	

Data Package ID: *IT0506217-2*

TCLP MERCURY

Method SW7470A

Sample Results

Lab Name: Paragon Analytics
Client Name: NMED DOE Oversight Bureau
Client Project ID: Gandy Marley, Inc.
Work Order Number: 0506217
Reporting Basis: As Received
Prep Method: METHOD
Final Volume: 20 g
Matrix: LEACHATE
Result Units: mg/l

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
GMI-UST-1	0506217-12	06/22/2005	07/13/2005	07/14/2005	N/A	1	0.002	0.002	U	2 g
GMI-UST-2	0506217-13	06/22/2005	07/13/2005	07/14/2005	N/A	1	0.002	0.002	U	2 g
GMI-UST-3	0506217-14	06/22/2005	07/13/2005	07/14/2005	N/A	1	0.002	0.002	U	2 g
GMI-UST-4	0506217-15	06/22/2005	07/13/2005	07/14/2005	N/A	1	0.002	0.002	U	2 g
GMI-UST-5	0506217-16	06/22/2005	07/13/2005	07/14/2005	N/A	1	0.002	0.002	U	2 g
GMI-UST-6	0506217-17	06/22/2005	07/07/2005	07/07/2005	N/A	1	0.002	0.002	U	2 g
GMI-LBB-2	0506217-18	06/22/2005	07/13/2005	07/14/2005	N/A	1	0.002	0.002	U	2 g
GMI-LBB-1	0506217-19	06/22/2005	07/13/2005	07/14/2005	N/A	1	0.002	0.002	U	2 g
GMI-VOR	0506217-20	06/22/2005	07/13/2005	07/14/2005	N/A	1	0.002	0.002	U	2 g

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *HG0506217-2*

Summary Report Forms-Water

ICP Metals

Method SW6010B

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: F050628-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 29-Jun-05
Date Analyzed: 30-Jun-05
Prep Method: SW3005A

Prep Batch: IP050629-2
QCBatchID: IP050629-2-4
Run ID: IT050630-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50630A

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.01	0.01	U	
7440-39-3	BARIUM	1	0.1	0.1	U	
7440-43-9	CADMIUM	1	0.005	0.005	U	
7440-47-3	CHROMIUM	1	0.01	0.01	U	
7439-92-1	LEAD	1	0.003	0.003	U	
7782-49-2	SELENIUM	1	0.005	0.005	U	
7440-22-4	SILVER	1	0.01	0.01	U	

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010B

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: F050628-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/29/2005
Date Analyzed: 06/30/2005
Prep Method: SW3005A

Prep Batch: IP050629-2
QCBatchID: IP050629-2-4
Run ID: IT050630-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50630A

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-38-2	ARSENIC	2	2.06	0.01		103	80 - 120%
7440-39-3	BARIUM	2	1.92	0.1		96	80 - 120%
7440-43-9	CADMIUM	0.05	0.0504	0.005		101	80 - 120%
7440-47-3	CHROMIUM	0.2	0.194	0.01		97	80 - 120%
7439-92-1	LEAD	0.5	0.502	0.003		100	80 - 120%
7782-49-2	SELENIUM	2	2.14	0.005		107	80 - 120%
7440-22-4	SILVER	0.05	0.0498	0.01		100	80 - 120%

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: ICV
QC Type: Initial Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.25	0.239	0.01		96	90 - 110%
7440-39-3	BARIUM	0.25	0.239	0.1		96	90 - 110%
7440-43-9	CADMIUM	0.25	0.249	0.005		99	90 - 110%
7440-47-3	CHROMIUM	0.25	0.245	0.01		98	90 - 110%
7439-92-1	LEAD	0.25	0.245	0.003		98	90 - 110%
7782-49-2	SELENIUM	0.25	0.249	0.005		100	90 - 110%
7440-22-4	SILVER	0.25	0.242	0.01		97	90 - 110%

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV1
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.483	0.01		97	90 - 110%
7440-39-3	BARIUM	0.5	0.474	0.1		95	90 - 110%
7440-43-9	CADMIUM	0.5	0.491	0.005		98	90 - 110%
7440-47-3	CHROMIUM	0.5	0.485	0.01		97	90 - 110%
7439-92-1	LEAD	0.5	0.489	0.003		98	90 - 110%
7782-49-2	SELENIUM	0.5	0.492	0.005		98	90 - 110%
7440-22-4	SILVER	0.5	0.49	0.01		98	90 - 110%

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV2
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.483	0.01		97	90 - 110%
7440-39-3	BARIUM	0.5	0.472	0.1		94	90 - 110%
7440-43-9	CADMIUM	0.5	0.488	0.005		98	90 - 110%
7440-47-3	CHROMIUM	0.5	0.486	0.01		97	90 - 110%
7439-92-1	LEAD	0.5	0.488	0.003		98	90 - 110%
7782-49-2	SELENIUM	0.5	0.496	0.005		99	90 - 110%
7440-22-4	SILVER	0.5	0.489	0.01		98	90 - 110%

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV3
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.482	0.01		96	90 - 110%
7440-39-3	BARIUM	0.5	0.467	0.1		93	90 - 110%
7440-43-9	CADMIUM	0.5	0.487	0.005		97	90 - 110%
7440-47-3	CHROMIUM	0.5	0.487	0.01		97	90 - 110%
7439-92-1	LEAD	0.5	0.486	0.003		97	90 - 110%
7782-49-2	SELENIUM	0.5	0.497	0.005		99	90 - 110%
7440-22-4	SILVER	0.5	0.487	0.01		97	90 - 110%

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV4
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.482	0.01		96	90 - 110%
7440-39-3	BARIUM	0.5	0.467	0.1		93	90 - 110%
7440-43-9	CADMIUM	0.5	0.492	0.005		98	90 - 110%
7440-47-3	CHROMIUM	0.5	0.489	0.01		98	90 - 110%
7439-92-1	LEAD	0.5	0.491	0.003		98	90 - 110%
7782-49-2	SELENIUM	0.5	0.496	0.005		99	90 - 110%
7440-22-4	SILVER	0.5	0.488	0.01		98	90 - 110%

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV5
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.488	0.01		98	90 - 110%
7440-39-3	BARIUM	0.5	0.472	0.1		94	90 - 110%
7440-43-9	CADMIUM	0.5	0.489	0.005		98	90 - 110%
7440-47-3	CHROMIUM	0.5	0.484	0.01		97	90 - 110%
7439-92-1	LEAD	0.5	0.488	0.003		98	90 - 110%
7782-49-2	SELENIUM	0.5	0.502	0.005		100	90 - 110%
7440-22-4	SILVER	0.5	0.487	0.01		97	90 - 110%

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV6
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.485	0.01		97	90 - 110%
7440-39-3	BARIUM	0.5	0.471	0.1		94	90 - 110%
7440-43-9	CADMIUM	0.5	0.49	0.005		98	90 - 110%
7440-47-3	CHROMIUM	0.5	0.485	0.01		97	90 - 110%
7439-92-1	LEAD	0.5	0.489	0.003		98	90 - 110%
7782-49-2	SELENIUM	0.5	0.496	0.005		99	90 - 110%
7440-22-4	SILVER	0.5	0.488	0.01		98	90 - 110%

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV7
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.479	0.01		96	90 - 110%
7440-39-3	BARIUM	0.5	0.501	0.1		100	90 - 110%
7440-43-9	CADMIUM	0.5	0.472	0.005		94	90 - 110%
7440-47-3	CHROMIUM	0.5	0.476	0.01		95	90 - 110%
7439-92-1	LEAD	0.5	0.483	0.003		97	90 - 110%
7782-49-2	SELENIUM	0.5	0.495	0.005		99	90 - 110%
7440-22-4	SILVER	0.5	0.503	0.01		101	90 - 110%

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB1
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB2
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB3
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB4
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB5
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB6
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB7
QC Type: Continuing Calibration

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-38-2	ARSENIC		0.1		0.0928	93
7440-39-3	BARIUM		0.5		0.45800	92
7440-43-9	CADMIUM		1		0.9	90
7440-47-3	CHROMIUM		0.5		0.443	89
7439-92-1	LEAD		0.05		0.04580	92
7782-49-2	SELENIUM		0.05		0.04800	96
7440-22-4	SILVER		0.2		0.20200	101

Data Package ID: *IT0506217-1*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Run ID: IT050630-1A1
Date Analyzed: 06/30/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-38-2	ARSENIC		0.1		0.08940	89
7440-39-3	BARIUM		0.5		0.49000	98
7440-43-9	CADMIUM		1		0.877	88
7440-47-3	CHROMIUM		0.5		0.43700	87
7439-92-1	LEAD		0.05		0.05200	104
7782-49-2	SELENIUM		0.05		0.04190	84
7440-22-4	SILVER		0.2		0.211	105

Data Package ID: *IT0506217-1*

ICP Interelement Correction Factors

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Instrument ID: ICPTrace
Active Date: 1/25/2005
Expiration Date: 1/25/2006

Analyte	Lamda (nm)	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni
ARSENIC									-0.008416							
BARIUM																
CADMIUM												0.000064				
CHROMIUM																
LEAD		0.000469						-0.00003		-0.000884		0.000093		-0.000001	0.000182	0.000243
SELENIUM		-0.000005		0.010851								-0.00018			0.000717	
SILVER																

Date Printed: Friday, July 22, 2005

ICP Interelement Correction Factors

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Instrument ID: ICPTrace
Active Date: 1/25/2005
Expiration Date: 1/25/2006

Analyte	Lamda (nm)	K	Se	Ag	Na	Tl	V	Zn	Sn	Ti	Mo	Li	Sr	B	Si	U
ARSENIC											-0.00126					
BARIUM																
CADMIUM																
CHROMIUM																0.000716
LEAD											-0.0008					0.000807
SELENIUM									-0.000494							
SILVER																0.00117

Date Printed: Friday, July 22, 2005

Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Instrument ID: ICPTrace
Active Date: 04/16/2005
Expiration Date: 07/15/2005

CASNO	Target Analyte	Concentration (ppm)
7440-38-2	ARSENIC	10
7440-39-3	BARIUM	10
7440-43-9	CADMIUM	10
7440-47-3	CHROMIUM	10
7439-92-1	LEAD	10
7782-49-2	SELENIUM	10
7440-22-4	SILVER	2

Prep Batch ID: IP050629-2

Start Date: 06/29/05
Start Time: 12:25
Prep Analyst: Preston Mathiesen

End Date: 06/29/05
End Time: 18:10

Concentration Method: NONE
Extract Method: SW3005A
Initial Volume Units: g
Final Volume Units: g

Batch Created By: plm
Date Created: 06/29/05
Time Created: 20:07
Validated By: REM
Date Validated: 06/30/05
Time Validated: 9:02

Comments:

QC Batch ID: IP050629-2-4

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
F050628-1	MB	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0506122
F050628-1	LCS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0506122
0506122-22	MS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0506122
0506122-22	MSD	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0506122
0506122-22	DUP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0506122
0506122-22	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0506122
0506217-10	SMP	GMI-Evap Tank East	WATER	6/22/2005	50	50	NONE	1	0506217
0506217-11	SMP	GMI-Evap Tank West	WATER	6/22/2005	50	50	NONE	1	0506217

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

ICPTrace Run Log -- 6/30/2005

Instrument ID: ICPTrace
File Name: TS50630A
AnalRunID: IT050630-1A1
CalibRefID: IT050630-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		MIXCHIGH	MIXCH	1	6/30/2005	10:01	
		MIXBHIGH	MIXBH	1	6/30/2005	10:03	
		MIXAHIGH	MIXAH	1	6/30/2005	10:04	
		ICV	ICV	1	6/30/2005	10:15	
		ICB	ICB	1	6/30/2005	10:19	
		CRI1	CRI	1	6/30/2005	10:21	
		ICSA1	ICSA	1	6/30/2005	10:23	
		ICSAB1	ICSAB	1	6/30/2005	10:25	
		CCV1	CCV	1	6/30/2005	10:27	
		CCB1	CCB	1	6/30/2005	10:32	
		CCV2	CCV	1	6/30/2005	11:54	
		CCB2	CCB	1	6/30/2005	11:58	
		IP050629-1	MB	1	6/30/2005	12:00	IP050629-1
		IP050629-1	LCS	1	6/30/2005	12:02	IP050629-1
		IP050629-1	LCSD	1	6/30/2005	12:04	IP050629-1
		0506248-1	SMP	1	6/30/2005	12:06	IP050629-1
		0506248-2	SMP	1	6/30/2005	12:08	IP050629-1
		0506248-3	SMP	1	6/30/2005	12:10	IP050629-1
		0506248-4	SMP	1	6/30/2005	12:12	IP050629-1
		0506248-5	SMP	1	6/30/2005	12:14	IP050629-1
		0506248-6	SMP	1	6/30/2005	12:16	IP050629-1
		IP050629-5	MB	1	6/30/2005	12:20	IP050629-5
		CCV3	CCV	1	6/30/2005	12:22	
		CCB3	CCB	1	6/30/2005	12:24	
		IP050629-5	LCS	1	6/30/2005	12:27	IP050629-5
		0506197-1	SMP	1	6/30/2005	12:30	IP050629-5
		0506197-1	DUP	1	6/30/2005	12:32	IP050629-5
		0506197-1	SER	5	6/30/2005	12:34	IP050629-5
		0506197-1	MS	1	6/30/2005	12:36	IP050629-5
		0506197-1	MSD	1	6/30/2005	12:38	IP050629-5
		0506246-4	SMP	1	6/30/2005	12:41	IP050629-5
		0506246-5	SMP	1	6/30/2005	12:43	IP050629-5
		0506197-1	SMP	2	6/30/2005	12:49	IP050629-5
		0506197-1	DUP	2	6/30/2005	12:51	IP050629-5
		CCV4	CCV	1	6/30/2005	12:53	

Data Package ID: IT0506217-1

ICPTrace Run Log -- 6/30/2005

Instrument ID: ICPTrace
File Name: TS50630A
AnalRunID: IT050630-1A1
CalibRefID: IT050630-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		CCB4	CCB	1	6/30/2005	12:56	
		0506197-1	SER	10	6/30/2005	12:58	IP050629-5
		0506197-1	MS	2	6/30/2005	13:00	IP050629-5
		0506197-1	MSD	2	6/30/2005	13:02	IP050629-5
		0506197-1	SMP	10	6/30/2005	13:06	IP050629-5
		0506197-1	DUP	10	6/30/2005	13:08	IP050629-5
		0506197-1	SER	50	6/30/2005	13:10	IP050629-5
		0506197-1	MS	10	6/30/2005	13:12	IP050629-5
		0506197-1	MSD	10	6/30/2005	13:14	IP050629-5
		F050628-1	MB	1	6/30/2005	13:21	IP050629-2
		F050628-1	LCS	1	6/30/2005	13:23	IP050629-2
		CCV5	CCV	1	6/30/2005	13:25	
		CCB5	CCB	1	6/30/2005	13:28	
		0506122-22	SMP	1	6/30/2005	13:30	IP050629-2
		0506122-22	DUP	1	6/30/2005	13:32	IP050629-2
		0506122-22	SER	5	6/30/2005	13:34	IP050629-2
		0506122-22	MS	1	6/30/2005	13:36	IP050629-2
		0506122-22	MSD	1	6/30/2005	13:38	IP050629-2
		0506199-5	SMP	1	6/30/2005	13:43	IP050629-2
		0506200-13	SMP	1	6/30/2005	13:45	IP050629-2
	GMI-Evap Tank East	0506217-10	SMP	1	6/30/2005	13:47	IP050629-2
	GMI-Evap Tank West	0506217-11	SMP	1	6/30/2005	13:49	IP050629-2
		0506218-14	SMP	1	6/30/2005	13:51	IP050629-2
		CCV6	CCV	1	6/30/2005	13:55	
		CCB6	CCB	1	6/30/2005	14:05	
		CRI2	CRI	1	6/30/2005	14:27	
		ICSA2	ICSA	1	6/30/2005	14:29	
		ICSAB2	ICSAB	1	6/30/2005	14:30	
		CCV7	CCV	1	6/30/2005	14:32	
		CCB7	CCB	1	6/30/2005	14:36	

Data Package ID: IT0506217-1

Mercury

Method SW7470A

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: HG050630-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 30-Jun-05
Date Analyzed: 30-Jun-05
Prep Method: METHOD

Prep Batch: HG050630-1
QCBatchID: HG050630-1-4
Run ID: HG050630-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 20 ml
Final Volume: 20 ml
Result Units: mg/l
Clean DF: 1
File Name: 05063001

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.0002	0.0002	U	

Data Package ID: *HG0506217-1*

Mercury

Method SW7470A

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: HG050630-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/30/2005
Date Analyzed: 06/30/2005
Prep Method: METHOD

Prep Batch: HG050630-1
QCBatchID: HG050630-1-4
Run ID: HG050630-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 20 ml
Final Volume: 20 ml
Result Units: mg/l
Clean DF: 1
File Name: 05063001

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	0.001	0.000981	0.0002		98	80 - 120%

Data Package ID: *HG0506217-1*

MERCURY

Method SW7470

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Date Analyzed: 30-Jun-05
Run ID: HG050630-1A1
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	6/30/2005	0.002	0.002	0.0002	N/A	100	80 - 120
CCV2	Continuing Calibration	6/30/2005	0.002	0.00203	0.0002	N/A	101	80 - 120
CCV3	Continuing Calibration	6/30/2005	0.002	0.00199	0.0002	N/A	99	80 - 120
ICV	Initial Calibration	6/30/2005	0.001	0.000978	0.0002	N/A	98	90 - 110

Data Package ID: *HG0506217-1*

MERCURY

Method SW7470

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Date Analyzed: 30-Jun-05
Run ID: HG050630-1A1
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	6/30/2005	0.0002	0.0002	U
CCB2	Continuing Calibration	6/30/2005	0.0002	0.0002	U
CCB3	Continuing Calibration	6/30/2005	0.0002	0.0002	U
ICB	Initial Calibration	6/30/2005	0.0002	0.0002	U

Data Package ID: *HG0506217-1*

Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Instrument ID: CETAC
Active Date: 04/16/2005
Expiration Date: 07/15/2005

CASNO	Target Analyte	Concentration (ppm)
7439-97-6	MERCURY	0.005

Prep Batch ID: HG050630-1

Start Date: 06/30/05
Start Time: 13:45
Prep Analyst: Chris Dennis

End Date: 06/30/05
End Time: 15:45

Concentration Method: NONE
Extract Method: METHOD
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: cjd
Date Created: 06/30/05
Time Created: 15:03
Validated By: cjd
Date Validated: 07/21/05
Time Validated: 9:32

Comments:

QC Batch ID: HG050630-1-2

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
HG050630-1	MB	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0506199
HG050630-1	LCS	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0506199
HG050630-1	LCSD	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0506199
0506201-15	MS	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0506201
0506201-15	MSD	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0506201
0506201-15	DUP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0506201
0506217-10	SMP	GMI-Evap Tank East	WATER	6/22/2005	0.6	100	NONE	1	0506217
0506217-11	SMP	GMI-Evap Tank West	WATER	6/22/2005	0.6	100	NONE	1	0506217
0506218-14	SMP	XXXXXX	WATER	XXXXXX	0.6	100	NONE	1	0506218

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Mercury Run Log -- 6/30/2005

Instrument ID: CETAC
File Name: 05063001
AnalRunID: HG050630-1A1
CalibRefID: HG050630-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		STD0	STD0	1	6/30/2005	16:47	
		STD1	STD1	1	6/30/2005	16:48	
		STD2	STD2	1	6/30/2005	16:50	
		STD3	STD3	1	6/30/2005	16:51	
		STD4	STD4	1	6/30/2005	16:53	
		STD5	STD5	1	6/30/2005	16:55	
		IPC	IPC	1	6/30/2005	16:56	
		ICV	ICV	1	6/30/2005	16:58	
		ICB	ICB	1	6/30/2005	16:59	
		CRA1	CRA	1	6/30/2005	17:01	
		HG050630-1	MB	1	6/30/2005	17:02	HG050630-1
		HG050630-1	LCS	1	6/30/2005	17:04	HG050630-1
		HG050630-1	LCSD	1	6/30/2005	17:06	HG050630-1
		EX050629-8	MB	1	6/30/2005	17:07	HG050630-1
		EX050629-8	LCS	1	6/30/2005	17:09	HG050630-1
		EX050629-8	LCSD	1	6/30/2005	17:10	HG050630-1
		F050628-1	MB	1	6/30/2005	17:12	HG050630-1
		0506194-1	SMP	1	6/30/2005	17:14	HG050630-1
		0506194-2	SMP	1	6/30/2005	17:15	HG050630-1
		CCV1	CCV	1	6/30/2005	17:17	
		CCB1	CCB	1	6/30/2005	17:19	
		0506195-1	SMP	1	6/30/2005	17:20	HG050630-1
		0506196-1	SMP	1	6/30/2005	17:22	HG050630-1
		0506210-1	SMP	1	6/30/2005	17:23	HG050630-1
		0506258-1	SMP	1	6/30/2005	17:25	HG050630-1
		0506258-3	SMP	1	6/30/2005	17:27	HG050630-1
		0506258-3	DUP	1	6/30/2005	17:28	HG050630-1
		0506258-3	MS	1	6/30/2005	17:30	HG050630-1
		0506258-3	MSD	1	6/30/2005	17:32	HG050630-1
		0506258-5	SMP	1	6/30/2005	17:33	HG050630-1
		0506258-7	SMP	1	6/30/2005	17:35	HG050630-1
		CCV2	CCV	1	6/30/2005	17:36	
		CCB2	CCB	1	6/30/2005	17:38	
		0506199-5	SMP	1	6/30/2005	17:40	HG050630-1
		0506200-13	SMP	1	6/30/2005	17:41	HG050630-1

Data Package ID: HG0506217-1

Mercury Run Log -- 6/30/2005

Instrument ID: CETAC
File Name: 05063001
AnalRunID: HG050630-1A1
CalibRefID: HG050630-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
	GMI-Evap Tank East	0506217-10	SMP	1	6/30/2005	17:43	HG050630-1
	GMI-Evap Tank West	0506217-11	SMP	1	6/30/2005	17:44	HG050630-1
		0506218-14	SMP	1	6/30/2005	17:46	HG050630-1
		0506201-15	SMP	1	6/30/2005	17:48	HG050630-1
		0506201-15	DUP	1	6/30/2005	17:49	HG050630-1
		0506201-15	MS	1	6/30/2005	17:51	HG050630-1
		0506201-15	MSD	1	6/30/2005	17:53	HG050630-1
		0506224-2	SMP	1	6/30/2005	17:54	HG050630-1
		CCV3	CCV	1	6/30/2005	17:56	
		CCB3	CCB	1	6/30/2005	17:58	
		0506224-7	SMP	1	6/30/2005	17:59	HG050630-1
		0506224-15	SMP	1	6/30/2005	18:01	HG050630-1
		0506224-15	DUP	1	6/30/2005	18:02	HG050630-1
		0506224-15	MS	1	6/30/2005	18:04	HG050630-1
		0506224-15	MSD	1	6/30/2005	18:06	HG050630-1
		0506224-16	SMP	1	6/30/2005	18:07	HG050630-1
		0506179-3	SMP	10	6/30/2005	18:09	HG050630-1
		CCV4	CCV	1	6/30/2005	18:11	
		CCB4	CCB	1	6/30/2005	18:12	

Data Package ID: HG0506217-1

Summary Report Forms-Leachate

ICP Metals

Method SW6010B--Leachate

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050706-8MB

LEACH DATE: 7/6/2005

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07-Jul-05
Date Analyzed: 08-Jul-05
Prep Method: SW3010A

Prep Batch: IP050707-1
QCBatchID: IP050707-1-1
Run ID: IT050708-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50708

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.1	0.1	U	
7440-39-3	BARIUM	1	1	1	U	
7440-43-9	CADMIUM	1	0.05	0.05	U	
7440-47-3	CHROMIUM	1	0.1	0.1	U	
7439-92-1	LEAD	1	0.03	0.03	U	
7782-49-2	SELENIUM	1	0.05	0.05	U	
7440-22-4	SILVER	1	0.1	0.1	U	

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010B

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050712-8MB

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50714

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	1	0.1	0.1	U	
7440-39-3	BARIUM	1	1	1	U	
7440-43-9	CADMIUM	1	0.05	0.05	U	
7440-47-3	CHROMIUM	1	0.1	0.1	U	
7439-92-1	LEAD	1	0.03	0.03	U	
7782-49-2	SELENIUM	1	0.05	0.05	U	
7440-22-4	SILVER	1	0.1	0.1	U	

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010B--Leachate
Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050706-8LCS

LEACH DATE: 7/6/2005

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/07/2005
Date Analyzed: 07/08/2005
Prep Method: SW3010A

Prep Batch: IP050707-1
QCBatchID: IP050707-1-1
Run ID: IT050708-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50708

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-38-2	ARSENIC	20	19.4	0.1		97	80 - 120%
7440-39-3	BARIUM	20	20.3	1		101	80 - 120%
7440-43-9	CADMIUM	0.5	0.519	0.05		104	80 - 120%
7440-47-3	CHROMIUM	2	1.99	0.1		100	80 - 120%
7439-92-1	LEAD	5	5.03	0.03		101	80 - 120%
7782-49-2	SELENIUM	20	20.3	0.05		102	80 - 120%
7440-22-4	SILVER	0.5	0.512	0.1		102	80 - 120%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050712-8LCS

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/13/2005
Date Analyzed: 07/14/2005
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50714

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-38-2	ARSENIC	20	20.6	0.1		103	80 - 120%
7440-39-3	BARIUM	20	19.2	1		96	80 - 120%
7440-43-9	CADMIUM	0.5	0.503	0.05		101	80 - 120%
7440-47-3	CHROMIUM	2	1.91	0.1		95	80 - 120%
7439-92-1	LEAD	5	5.01	0.03		100	80 - 120%
7782-49-2	SELENIUM	20	20.6	0.05		103	80 - 120%
7440-22-4	SILVER	0.5	0.485	0.1		97	80 - 120%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010B

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-1
LabID: 0506217-12MS

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
File Name: TS50714

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7440-38-2	ARSENIC	0.1	U	20.5		0.1	20	103	80 - 120%
7440-39-3	BARIUM	1	U	19.5		1	20	98	80 - 120%
7440-43-9	CADMIUM	0.05	U	0.495		0.05	0.5	99	80 - 120%
7440-47-3	CHROMIUM	0.1	U	1.89		0.1	2	94	80 - 120%
7439-92-1	LEAD	0.03	U	5.03		0.03	5	101	80 - 120%
7782-49-2	SELENIUM	0.05	U	20.7		0.05	20	104	80 - 120%
7440-22-4	SILVER	0.1	U	0.488		0.1	0.5	98	80 - 120%

Field ID: GMI-UST-1
LabID: 0506217-12MSD

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: SW3010A

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
File Name: TS50714

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
7440-38-2	ARSENIC	20.5		20	103	0.1	20	0
7440-39-3	BARIUM	19.4		20	97	1	20	1
7440-43-9	CADMIUM	0.502		0.5	101	0.05	20	1
7440-47-3	CHROMIUM	1.9		2	95	0.1	20	1
7439-92-1	LEAD	5.04		5	101	0.03	20	0
7782-49-2	SELENIUM	20.8		20	104	0.05	20	0
7440-22-4	SILVER	0.486		0.5	97	0.1	20	0

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010B--Leachate
Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-6
LabID: 0506217-17MS

LEACH DATE: 7/6/2005

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 07-Jul-05
Date Analyzed: 08-Jul-05
Prep Method: SW3010A

Prep Batch: IP050707-1
QCBatchID: IP050707-1-1
Run ID: IT050708-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
File Name: TS50708

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7440-38-2	ARSENIC	0.1	U	19.4		0.1	20	97	80 - 120%
7440-39-3	BARIUM	1.1		20.5		1	20	97	80 - 120%
7440-43-9	CADMIUM	0.05	U	0.499		0.05	0.5	100	80 - 120%
7440-47-3	CHROMIUM	0.1	U	1.88		0.1	2	94	80 - 120%
7439-92-1	LEAD	0.03	U	4.88		0.03	5	98	80 - 120%
7782-49-2	SELENIUM	0.05	U	20.3		0.05	20	101	80 - 120%
7440-22-4	SILVER	0.1	U	0.505		0.1	0.5	101	80 - 120%

Field ID: GMI-UST-6
LabID: 0506217-17MSD

LEACH DATE: 7/6/2005

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 07-Jul-05
Date Analyzed: 08-Jul-05
Prep Method: SW3010A

Prep Batch: IP050707-1
QCBatchID: IP050707-1-1
Run ID: IT050708-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
File Name: TS50708

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
7440-38-2	ARSENIC	19.6		20	98	0.1	20	1
7440-39-3	BARIUM	20.8		20	98	1	20	1
7440-43-9	CADMIUM	0.505		0.5	101	0.05	20	1
7440-47-3	CHROMIUM	1.9		2	95	0.1	20	1
7439-92-1	LEAD	4.94		5	99	0.03	20	1
7782-49-2	SELENIUM	20.5		20	103	0.05	20	1
7440-22-4	SILVER	0.504		0.5	101	0.1	20	0

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Duplicate Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-1
Lab ID: 0506217-12D

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 06/22/2005
Date Extracted: 07/13/2005
Date Analyzed: 07/14/2005

Prep Batch: IP050713-1
QCBatchID: IP050713-1-1
Run ID: IT050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50714

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7440-38-2	ARSENIC	0.1	U	0.1	U	0.1	1		20
7440-39-3	BARIUM	1	U	1	U	1	1		20
7440-43-9	CADMIUM	0.05	U	0.05	U	0.05	1		20
7440-47-3	CHROMIUM	0.1	U	0.1	U	0.1	1		20
7439-92-1	LEAD	0.03	U	0.03	U	0.03	1		20
7782-49-2	SELENIUM	0.05	U	0.05	U	0.05	1		20
7440-22-4	SILVER	0.1	U	0.1	U	0.1	1		20

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Duplicate Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-6
Lab ID: 0506217-17D

LEACH DATE: 7/6/2005

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 06/22/2005
Date Extracted: 07/07/2005
Date Analyzed: 07/08/2005

Prep Batch: IP050707-1
QCBatchID: IP050707-1-1
Run ID: IT050708-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 g
Final Volume: 50 g
Result Units: mg/l
Clean DF: 1
File Name: TS50708

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7440-38-2	ARSENIC	0.1	U	0.1	U	0.1	1		20
7440-39-3	BARIUM	1.1		1.14		1	1		20
7440-43-9	CADMIUM	0.05	U	0.05	U	0.05	1		20
7440-47-3	CHROMIUM	0.1	U	0.1	U	0.1	1		20
7439-92-1	LEAD	0.03	U	0.03	U	0.03	1		20
7782-49-2	SELENIUM	0.05	U	0.05	U	0.05	1		20
7440-22-4	SILVER	0.1	U	0.1	U	0.1	1		20

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Serial Dilution

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-1
Lab ID: 0506217-12L

Run ID: IT050714-1A1
Date Analyzed: 14-Jul-05
Result Units: mg/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7440-38-2	ARSENIC	0.0100	U	0.0500	U		
7440-39-3	BARIUM	0.100	U	0.500	U		
7440-43-9	CADMIUM	0.00500	U	0.0250	U		
7440-47-3	CHROMIUM	0.0100	U	0.0500	U		
7439-92-1	LEAD	0.00300	U	0.0150	U		
7782-49-2	SELENIUM	0.00500	U	0.0250	U		
7440-22-4	SILVER	0.0100	U	0.0500	U		

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Serial Dilution

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-6
Lab ID: 0506217-17L

Run ID: IT050708-1A1
Date Analyzed: 08-Jul-05
Result Units: mg/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7440-38-2	ARSENIC	0.0100	U	0.0500	U		
7440-39-3	BARIUM	0.113		0.500	U		
7440-43-9	CADMIUM	0.00500	U	0.0250	U		
7440-47-3	CHROMIUM	0.0100	U	0.0500	U		
7439-92-1	LEAD	0.00300	U	0.0150	U		
7782-49-2	SELENIUM	0.00500	U	0.0250	U		
7440-22-4	SILVER	0.0100	U	0.0500	U		

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: ICV
QC Type: Initial Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.25	0.241	0.01		97	90 - 110%
7440-39-3	BARIUM	0.25	0.243	0.1		97	90 - 110%
7440-43-9	CADMIUM	0.25	0.246	0.005		99	90 - 110%
7440-47-3	CHROMIUM	0.25	0.243	0.01		97	90 - 110%
7439-92-1	LEAD	0.25	0.244	0.003		98	90 - 110%
7782-49-2	SELENIUM	0.25	0.258	0.005		103	90 - 110%
7440-22-4	SILVER	0.25	0.25	0.01		100	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV1
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.481	0.01		96	90 - 110%
7440-39-3	BARIUM	0.5	0.482	0.1		96	90 - 110%
7440-43-9	CADMIUM	0.5	0.484	0.005		97	90 - 110%
7440-47-3	CHROMIUM	0.5	0.473	0.01		95	90 - 110%
7439-92-1	LEAD	0.5	0.479	0.003		96	90 - 110%
7782-49-2	SELENIUM	0.5	0.5	0.005		100	90 - 110%
7440-22-4	SILVER	0.5	0.5	0.01		100	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV2
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.486	0.01		97	90 - 110%
7440-39-3	BARIUM	0.5	0.488	0.1		98	90 - 110%
7440-43-9	CADMIUM	0.5	0.493	0.005		99	90 - 110%
7440-47-3	CHROMIUM	0.5	0.478	0.01		96	90 - 110%
7439-92-1	LEAD	0.5	0.484	0.003		97	90 - 110%
7782-49-2	SELENIUM	0.5	0.506	0.005		101	90 - 110%
7440-22-4	SILVER	0.5	0.505	0.01		101	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV3
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.488	0.01		98	90 - 110%
7440-39-3	BARIUM	0.5	0.491	0.1		98	90 - 110%
7440-43-9	CADMIUM	0.5	0.495	0.005		99	90 - 110%
7440-47-3	CHROMIUM	0.5	0.479	0.01		96	90 - 110%
7439-92-1	LEAD	0.5	0.489	0.003		98	90 - 110%
7782-49-2	SELENIUM	0.5	0.516	0.005		103	90 - 110%
7440-22-4	SILVER	0.5	0.506	0.01		101	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV4
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.493	0.01		99	90 - 110%
7440-39-3	BARIUM	0.5	0.494	0.1		99	90 - 110%
7440-43-9	CADMIUM	0.5	0.505	0.005		101	90 - 110%
7440-47-3	CHROMIUM	0.5	0.484	0.01		97	90 - 110%
7439-92-1	LEAD	0.5	0.495	0.003		99	90 - 110%
7782-49-2	SELENIUM	0.5	0.518	0.005		104	90 - 110%
7440-22-4	SILVER	0.5	0.509	0.01		102	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV5
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.496	0.01		99	90 - 110%
7440-39-3	BARIUM	0.5	0.495	0.1		99	90 - 110%
7440-43-9	CADMIUM	0.5	0.508	0.005		102	90 - 110%
7440-47-3	CHROMIUM	0.5	0.487	0.01		97	90 - 110%
7439-92-1	LEAD	0.5	0.498	0.003		100	90 - 110%
7782-49-2	SELENIUM	0.5	0.525	0.005		105	90 - 110%
7440-22-4	SILVER	0.5	0.511	0.01		102	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV6
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.499	0.01		100	90 - 110%
7440-39-3	BARIUM	0.5	0.496	0.1		99	90 - 110%
7440-43-9	CADMIUM	0.5	0.513	0.005		103	90 - 110%
7440-47-3	CHROMIUM	0.5	0.491	0.01		98	90 - 110%
7439-92-1	LEAD	0.5	0.504	0.003		101	90 - 110%
7782-49-2	SELENIUM	0.5	0.523	0.005		105	90 - 110%
7440-22-4	SILVER	0.5	0.513	0.01		103	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV7
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.499	0.01		100	90 - 110%
7440-39-3	BARIUM	0.5	0.492	0.1		98	90 - 110%
7440-43-9	CADMIUM	0.5	0.511	0.005		102	90 - 110%
7440-47-3	CHROMIUM	0.5	0.489	0.01		98	90 - 110%
7439-92-1	LEAD	0.5	0.5	0.003		100	90 - 110%
7782-49-2	SELENIUM	0.5	0.525	0.005		105	90 - 110%
7440-22-4	SILVER	0.5	0.51	0.01		102	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV8
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.486	0.01		97	90 - 110%
7440-39-3	BARIUM	0.5	0.488	0.1		98	90 - 110%
7440-43-9	CADMIUM	0.5	0.49	0.005		98	90 - 110%
7440-47-3	CHROMIUM	0.5	0.469	0.01		94	90 - 110%
7439-92-1	LEAD	0.5	0.486	0.003		97	90 - 110%
7782-49-2	SELENIUM	0.5	0.521	0.005		104	90 - 110%
7440-22-4	SILVER	0.5	0.495	0.01		99	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: ICV
QC Type: Initial Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.25	0.248	0.01		99	90 - 110%
7440-39-3	BARIUM	0.25	0.241	0.1		96	90 - 110%
7440-43-9	CADMIUM	0.25	0.247	0.005		99	90 - 110%
7440-47-3	CHROMIUM	0.25	0.242	0.01		97	90 - 110%
7439-92-1	LEAD	0.25	0.25	0.003		100	90 - 110%
7782-49-2	SELENIUM	0.25	0.245	0.005		98	90 - 110%
7440-22-4	SILVER	0.25	0.246	0.01		98	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV1
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.501	0.01		100	90 - 110%
7440-39-3	BARIUM	0.5	0.478	0.1		96	90 - 110%
7440-43-9	CADMIUM	0.5	0.486	0.005		97	90 - 110%
7440-47-3	CHROMIUM	0.5	0.476	0.01		95	90 - 110%
7439-92-1	LEAD	0.5	0.493	0.003		99	90 - 110%
7782-49-2	SELENIUM	0.5	0.493	0.005		99	90 - 110%
7440-22-4	SILVER	0.5	0.498	0.01		100	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV2
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.506	0.01		101	90 - 110%
7440-39-3	BARIUM	0.5	0.48	0.1		96	90 - 110%
7440-43-9	CADMIUM	0.5	0.491	0.005		98	90 - 110%
7440-47-3	CHROMIUM	0.5	0.482	0.01		96	90 - 110%
7439-92-1	LEAD	0.5	0.501	0.003		100	90 - 110%
7782-49-2	SELENIUM	0.5	0.502	0.005		100	90 - 110%
7440-22-4	SILVER	0.5	0.503	0.01		101	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV3
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.513	0.01		103	90 - 110%
7440-39-3	BARIUM	0.5	0.485	0.1		97	90 - 110%
7440-43-9	CADMIUM	0.5	0.5	0.005		100	90 - 110%
7440-47-3	CHROMIUM	0.5	0.483	0.01		97	90 - 110%
7439-92-1	LEAD	0.5	0.503	0.003		101	90 - 110%
7782-49-2	SELENIUM	0.5	0.511	0.005		102	90 - 110%
7440-22-4	SILVER	0.5	0.502	0.01		100	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV4
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.515	0.01		103	90 - 110%
7440-39-3	BARIUM	0.5	0.494	0.1		99	90 - 110%
7440-43-9	CADMIUM	0.5	0.507	0.005		101	90 - 110%
7440-47-3	CHROMIUM	0.5	0.486	0.01		97	90 - 110%
7439-92-1	LEAD	0.5	0.512	0.003		102	90 - 110%
7782-49-2	SELENIUM	0.5	0.514	0.005		103	90 - 110%
7440-22-4	SILVER	0.5	0.506	0.01		101	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV5
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.523	0.01		105	90 - 110%
7440-39-3	BARIUM	0.5	0.495	0.1		99	90 - 110%
7440-43-9	CADMIUM	0.5	0.513	0.005		103	90 - 110%
7440-47-3	CHROMIUM	0.5	0.49	0.01		98	90 - 110%
7439-92-1	LEAD	0.5	0.519	0.003		104	90 - 110%
7782-49-2	SELENIUM	0.5	0.526	0.005		105	90 - 110%
7440-22-4	SILVER	0.5	0.508	0.01		102	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCV6
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.5	0.522	0.01		104	90 - 110%
7440-39-3	BARIUM	0.5	0.498	0.1		100	90 - 110%
7440-43-9	CADMIUM	0.5	0.513	0.005		103	90 - 110%
7440-47-3	CHROMIUM	0.5	0.489	0.01		98	90 - 110%
7439-92-1	LEAD	0.5	0.517	0.003		103	90 - 110%
7782-49-2	SELENIUM	0.5	0.53	0.005		106	90 - 110%
7440-22-4	SILVER	0.5	0.507	0.01		101	90 - 110%

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB1
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB2
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB3
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB4
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB5
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB6
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB7
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB8
QC Type: Continuing Calibration

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: ICB
QC Type: Initial Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB1
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB2
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB3
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB4
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB5
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: CCB6
QC Type: Continuing Calibration

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.01	0.01	U
7440-39-3	BARIUM	0.1	0.1	U
7440-43-9	CADMIUM	0.005	0.005	U
7440-47-3	CHROMIUM	0.01	0.01	U
7439-92-1	LEAD	0.003	0.003	U
7782-49-2	SELENIUM	0.005	0.005	U
7440-22-4	SILVER	0.01	0.01	U

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-38-2	ARSENIC		0.1		0.094	94
7440-39-3	BARIUM		0.5		0.45500	91
7440-43-9	CADMIUM		1		0.88	88
7440-47-3	CHROMIUM		0.5		0.427	85
7439-92-1	LEAD		0.05		0.0442	88
7782-49-2	SELENIUM		0.05		0.05050	101
7440-22-4	SILVER		0.2		0.203	101

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Run ID: IT050708-1A1
Date Analyzed: 07/08/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-38-2	ARSENIC		0.1		0.0954	95
7440-39-3	BARIUM		0.5		0.45800	92
7440-43-9	CADMIUM		1		0.91600	92
7440-47-3	CHROMIUM		0.5		0.438	88
7439-92-1	LEAD		0.05		0.04600	92
7782-49-2	SELENIUM		0.05		0.05020	100
7440-22-4	SILVER		0.2		0.204	102

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-38-2	ARSENIC		0.1		0.09520	95
7440-39-3	BARIUM		0.5		0.457	91
7440-43-9	CADMIUM		1		0.881	88
7440-47-3	CHROMIUM		0.5		0.43000	86
7439-92-1	LEAD		0.05		0.04690	94
7782-49-2	SELENIUM		0.05		0.05200	104
7440-22-4	SILVER		0.2		0.204	102

Data Package ID: *IT0506217-2*

ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Run ID: IT050714-1A1
Date Analyzed: 07/14/2005
Result Units: mg/l

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-38-2	ARSENIC		0.1		0.102	102
7440-39-3	BARIUM		0.5		0.477	95
7440-43-9	CADMIUM		1		0.93300	93
7440-47-3	CHROMIUM		0.5		0.44400	89
7439-92-1	LEAD		0.05		0.0499	100
7782-49-2	SELENIUM		0.05		0.05040	101
7440-22-4	SILVER		0.2		0.20700	103

Data Package ID: *IT0506217-2*

ICP Interelement Correction Factors

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Instrument ID: ICPTrace
Active Date: 1/25/2005
Expiration Date: 1/25/2006

Analyte	Lamda (nm)	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni
ARSENIC									-0.008416							
BARIUM																
CADMIUM												0.000064				
CHROMIUM																
LEAD		0.000469						-0.00003		-0.000884		0.000093		-0.000001	0.000182	0.000243
SELENIUM		-0.000005		0.010851								-0.00018			0.000717	
SILVER																

ICP Interelement Correction Factors

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Instrument ID: ICPTrace
Active Date: 1/25/2005
Expiration Date: 1/25/2006

Analyte	Lamda (nm)	K	Se	Ag	Na	Tl	V	Zn	Sn	Ti	Mo	Li	Sr	B	Si	U
ARSENIC											-0.00126					
BARIUM																
CADMIUM																
CHROMIUM																0.000716
LEAD											-0.0008					0.000807
SELENIUM									-0.000494							
SILVER																0.00117

Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Instrument ID: ICPTrace
Active Date: 04/16/2005
Expiration Date: 07/15/2005

CASNO	Target Analyte	Concentration (ppm)
7440-38-2	ARSENIC	10
7440-39-3	BARIUM	10
7440-43-9	CADMIUM	10
7440-47-3	CHROMIUM	10
7439-92-1	LEAD	10
7782-49-2	SELENIUM	10
7440-22-4	SILVER	2

Prep Batch ID: IP050707-1

Start Date: 07/07/05
Start Time: 12:10
Prep Analyst: Preston Mathiesen

End Date: 07/07/05
End Time: 19:45

Concentration Method: NONE
Extract Method: SW3010A
Initial Volume Units: g
Final Volume Units: g

Batch Created By: plm
Date Created: 07/07/05
Time Created: 22:11
Validated By: REM
Date Validated: 07/08/05
Time Validated: 9:51

Comments:

QC Batch ID: IP050707-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX050706-8	MB	XXXXXX	LEACHA	XXXXXX	5	50	NONE	1	0506217
EX050706-8	LCS	XXXXXX	LEACHA	XXXXXX	5	50	NONE	1	0506217
EX050706-8	LCSD	XXXXXX	LEACHA	XXXXXX	5	50	NONE	1	0506217
0506217-17	MS	GMI-UST-6	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-17	MSD	GMI-UST-6	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-17	DUP	GMI-UST-6	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-17	SMP	GMI-UST-6	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506265-20	SMP	XXXXXX	LEACHA	XXXXXX	5	50	NONE	1	0506265
0506265-21	SMP	XXXXXX	LEACHA	XXXXXX	5	50	NONE	1	0506265
0506265-22	SMP	XXXXXX	LEACHA	XXXXXX	5	50	NONE	1	0506265
0506265-23	SMP	XXXXXX	LEACHA	XXXXXX	5	50	NONE	1	0506265

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Prep Batch ID: IP050713-1

Start Date: 07/13/05
Start Time: 12:25
Prep Analyst: Preston Mathiesen

End Date: 07/13/05
End Time: 16:25

Concentration Method: NONE
Extract Method: SW3010A
Initial Volume Units: g
Final Volume Units: g

Batch Created By: plm
Date Created: 07/13/05
Time Created: 16:34
Validated By: REM
Date Validated: 07/14/05
Time Validated: 10:14

Comments:

QC Batch ID: IP050713-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX050712-8	MB	XXXXXX	LEACHA	XXXXXX	5	50	NONE	1	0506217
EX050712-8	LCS	XXXXXX	LEACHA	XXXXXX	5	50	NONE	1	0506217
0506217-12	MS	GMI-UST-1	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-12	MSD	GMI-UST-1	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-12	DUP	GMI-UST-1	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-12	SMP	GMI-UST-1	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-13	SMP	GMI-UST-2	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-14	SMP	GMI-UST-3	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-15	SMP	GMI-UST-4	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-16	SMP	GMI-UST-5	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-18	SMP	GMI-LBB-2	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-19	SMP	GMI-LBB-1	LEACHA	6/22/2005	5	50	NONE	1	0506217
0506217-20	SMP	GMI-VOR	LEACHA	6/22/2005	5	50	NONE	1	0506217

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

ICPTrace Run Log -- 7/8/2005

Instrument ID: ICPTrace
File Name: TS50708
AnalRunID: IT050708-1A1
CalibRefID: IT050708-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		MIXCHIGH	MIXCH	1	7/8/2005	09:56	
		MIXBHIGH	MIXBH	1	7/8/2005	09:57	
		MIXAHIGH	MIXAH	1	7/8/2005	09:59	
		ICV	ICV	1	7/8/2005	10:06	
		ICB	ICB	1	7/8/2005	10:09	
		CRI1	CRI	1	7/8/2005	10:11	
		ICSA1	ICSA	1	7/8/2005	10:13	
		ICSAB1	ICSAB	1	7/8/2005	10:15	
		CCV1	CCV	1	7/8/2005	10:19	
		CCB1	CCB	1	7/8/2005	10:24	
		IP050707-2	MB	1	7/8/2005	10:26	IP050707-2
		IP050707-2	LCS	1	7/8/2005	10:28	IP050707-2
		IP050707-2	LCSD	1	7/8/2005	10:30	IP050707-2
		0507031-1	SMP	1	7/8/2005	10:32	IP050707-2
		0507031-2	SMP	1	7/8/2005	10:34	IP050707-2
		0507031-3	SMP	1	7/8/2005	10:36	IP050707-2
		0507031-4	SMP	1	7/8/2005	10:38	IP050707-2
		0507031-5	SMP	1	7/8/2005	10:40	IP050707-2
		0507031-6	SMP	1	7/8/2005	10:42	IP050707-2
		IP050707-3	MB	1	7/8/2005	10:46	IP050707-3
		CCV2	CCV	1	7/8/2005	10:48	
		CCB2	CCB	1	7/8/2005	10:52	
		IP050707-3	LCS	1	7/8/2005	10:54	IP050707-3
		0507008-1	SMP	1	7/8/2005	11:00	IP050707-3
		0507008-1	DUP	1	7/8/2005	11:02	IP050707-3
		0507008-1	SER	5	7/8/2005	11:04	IP050707-3
		0507008-1	MS	1	7/8/2005	11:06	IP050707-3
		0507008-1	MSD	1	7/8/2005	11:08	IP050707-3
		0507008-2	SMP	1	7/8/2005	11:12	IP050707-3
		0507008-3	SMP	1	7/8/2005	11:14	IP050707-3
		0507008-4	SMP	1	7/8/2005	11:16	IP050707-3
		0507008-5	SMP	1	7/8/2005	11:18	IP050707-3
		CCV3	CCV	1	7/8/2005	11:20	
		CCB3	CCB	1	7/8/2005	11:22	
		0507008-6	SMP	1	7/8/2005	11:24	IP050707-3

Data Package ID: IT0506217-2

ICPTrace Run Log -- 7/8/2005

Instrument ID: ICPTrace
File Name: TS50708
AnalRunID: IT050708-1A1
CalibRefID: IT050708-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0507008-7	SMP	1	7/8/2005	11:26	IP050707-3
		0507008-8	SMP	1	7/8/2005	11:28	IP050707-3
		0507010-5	SMP	1	7/8/2005	11:30	IP050707-3
		0507008-1	A	1	7/8/2005	11:35	IP050707-3
		EX050706-8	MB	1	7/8/2005	11:38	IP050707-1
		EX050706-8	LCS	1	7/8/2005	11:40	IP050707-1
		EX050706-8	LCSD	1	7/8/2005	11:42	IP050707-1
	GMI-UST-6	0506217-17	SMP	1	7/8/2005	11:45	IP050707-1
	GMI-UST-6	0506217-17	DUP	1	7/8/2005	11:47	IP050707-1
		CCV4	CCV	1	7/8/2005	11:49	
		CCB4	CCB	1	7/8/2005	11:52	
	GMI-UST-6	0506217-17	SER	5	7/8/2005	11:54	IP050707-1
	GMI-UST-6	0506217-17	MS	1	7/8/2005	11:58	IP050707-1
	GMI-UST-6	0506217-17	MSD	1	7/8/2005	12:00	IP050707-1
		0506265-20	SMP	1	7/8/2005	12:04	IP050707-1
		0506265-21	SMP	1	7/8/2005	12:06	IP050707-1
		0506265-22	SMP	1	7/8/2005	12:08	IP050707-1
		0506265-23	SMP	1	7/8/2005	12:10	IP050707-1
		IP050707-4	MB	1	7/8/2005	12:23	IP050707-4
		IP050707-4	LCS	1	7/8/2005	12:25	IP050707-4
		0506231-1	SMP	1	7/8/2005	12:27	IP050707-4
		CCV5	CCV	1	7/8/2005	12:32	
		CCB5	CCB	1	7/8/2005	12:40	
		0506231-1	DUP	1	7/8/2005	12:42	IP050707-4
		0506231-1	SER	5	7/8/2005	12:44	IP050707-4
		0506231-1	MS	1	7/8/2005	12:46	IP050707-4
		0506231-1	MSD	1	7/8/2005	12:48	IP050707-4
		0506231-2	SMP	1	7/8/2005	12:50	IP050707-4
		0506231-3	SMP	1	7/8/2005	12:52	IP050707-4
		0506231-4	SMP	1	7/8/2005	12:54	IP050707-4
		0506231-5	SMP	1	7/8/2005	12:56	IP050707-4
		0506231-6	SMP	1	7/8/2005	12:58	IP050707-4
		0506231-7	SMP	1	7/8/2005	13:00	IP050707-4
		CCV6	CCV	1	7/8/2005	13:02	
		CCB6	CCB	1	7/8/2005	13:05	

Data Package ID: IT0506217-2

ICPTrace Run Log -- 7/8/2005

Instrument ID: ICPTrace
File Name: TS50708
AnalRunID: IT050708-1A1
CalibRefID: IT050708-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0506231-8	SMP	1	7/8/2005	13:07	IP050707-4
		0506231-9	SMP	1	7/8/2005	13:09	IP050707-4
		0506231-10	SMP	1	7/8/2005	13:11	IP050707-4
		0506231-11	SMP	1	7/8/2005	13:13	IP050707-4
		0506231-12	SMP	1	7/8/2005	13:15	IP050707-4
		0507003-1	SMP	1	7/8/2005	13:17	IP050707-4
		0507003-3	SMP	1	7/8/2005	13:19	IP050707-4
		0507003-4	SMP	1	7/8/2005	13:21	IP050707-4
		0507003-5	SMP	1	7/8/2005	13:23	IP050707-4
		0507003-6	SMP	1	7/8/2005	13:25	IP050707-4
		CCV7	CCV	1	7/8/2005	13:27	
		CCB7	CCB	1	7/8/2005	13:31	
		0507003-7	SMP	1	7/8/2005	13:33	IP050707-4
		0507003-8	SMP	1	7/8/2005	13:35	IP050707-4
		0506231-5	SMP	2	7/8/2005	13:42	IP050707-4
		0506231-6	SMP	2	7/8/2005	13:44	IP050707-4
		0506231-8	SMP	2	7/8/2005	13:47	IP050707-4
		0507003-7	SMP	2	7/8/2005	13:50	IP050707-4
		0506231-1	A	1	7/8/2005	13:52	IP050707-4
		CRI2	CRI	1	7/8/2005	13:55	
		ICSA2	ICSA	1	7/8/2005	13:57	
		ICSAB2	ICSAB	1	7/8/2005	14:00	
		CCV8	CCV	1	7/8/2005	14:19	
		CCB8	CCB	1	7/8/2005	14:23	

Data Package ID: IT0506217-2

ICPTrace Run Log -- 7/14/2005

Instrument ID: ICPTrace
File Name: TS50714
AnalRunID: IT050714-1A1
CalibRefID: IT050714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		MIXCHIGH	MIXCH	1	7/14/2005	09:46	
		MIXBHIGH	MIXBH	1	7/14/2005	09:47	
		MIXAHIGH	MIXAH	1	7/14/2005	09:49	
		ICV	ICV	1	7/14/2005	10:01	
		ICB	ICB	1	7/14/2005	10:04	
		CRI1	CRI	1	7/14/2005	10:07	
		ICSA1	ICSA	1	7/14/2005	10:10	
		ICSAB1	ICSAB	1	7/14/2005	10:12	
		CCV1	CCV	1	7/14/2005	10:15	
		CCB1	CCB	1	7/14/2005	10:19	
		IP050713-2	MB	1	7/14/2005	10:22	IP050713-2
		IP050713-2	LCS	1	7/14/2005	10:24	IP050713-2
		IP050713-2	LCSD	1	7/14/2005	10:27	IP050713-2
		0507073-1	SMP	1	7/14/2005	10:30	IP050713-2
		0507073-2	SMP	1	7/14/2005	10:33	IP050713-2
		0507073-3	SMP	1	7/14/2005	10:35	IP050713-2
		0507073-4	SMP	1	7/14/2005	10:38	IP050713-2
		0507073-5	SMP	1	7/14/2005	10:41	IP050713-2
		0507073-6	SMP	1	7/14/2005	10:44	IP050713-2
		EX050712-8	MB	1	7/14/2005	10:49	ip050713-1
		CCV2	CCV	1	7/14/2005	10:52	
		CCB2	CCB	1	7/14/2005	10:56	
		EX050712-8	LCS	1	7/14/2005	10:59	ip050713-1
	GMI-UST-1	0506217-12	SMP	1	7/14/2005	11:02	ip050713-1
	GMI-UST-1	0506217-12	DUP	1	7/14/2005	11:04	ip050713-1
	GMI-UST-1	0506217-12	SMP	1	7/14/2005	11:08	ip050713-1
	GMI-UST-1	0506217-12	SER	5	7/14/2005	11:10	ip050713-1
	GMI-UST-1	0506217-12	MS	1	7/14/2005	11:12	ip050713-1
	GMI-UST-1	0506217-12	MSD	1	7/14/2005	11:14	ip050713-1
	GMI-UST-2	0506217-13	SMP	1	7/14/2005	11:18	ip050713-1
	GMI-UST-3	0506217-14	SMP	1	7/14/2005	11:20	ip050713-1
	GMI-UST-4	0506217-15	SMP	1	7/14/2005	11:22	ip050713-1
		CCV3	CCV	1	7/14/2005	11:24	
		CCB3	CCB	1	7/14/2005	11:29	
	GMI-UST-5	0506217-16	SMP	1	7/14/2005	11:31	ip050713-1

Data Package ID: IT0506217-2

ICPTrace Run Log -- 7/14/2005

Instrument ID: ICPTrace
File Name: TS50714
AnalRunID: IT050714-1A1
CalibRefID: IT050714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
	GMI-LBB-2	0506217-18	SMP	1	7/14/2005	11:33	ip050713-1
	GMI-LBB-1	0506217-19	SMP	1	7/14/2005	11:35	ip050713-1
	GMI-VOR	0506217-20	SMP	1	7/14/2005	11:37	ip050713-1
		IP050711-4	MB	1	7/14/2005	11:43	IP050711-4
		IP050711-4	LCS	1	7/14/2005	11:45	IP050711-4
		IP050711-4	LCSD	1	7/14/2005	11:47	IP050711-4
		0507014-1	SMP	1	7/14/2005	11:49	IP050711-4
		0507014-3	SMP	1	7/14/2005	11:51	IP050711-4
		0507014-3	DUP	1	7/14/2005	11:53	IP050711-4
		CCV4	CCV	1	7/14/2005	11:55	
		CCB4	CCB	1	7/14/2005	11:59	
		0507014-3	SER	5	7/14/2005	12:01	IP050711-4
		0507014-3	MS	1	7/14/2005	12:03	IP050711-4
		0507014-3	MSD	1	7/14/2005	12:05	IP050711-4
		0507014-4	SMP	1	7/14/2005	12:09	IP050711-4
		0507014-5	SMP	1	7/14/2005	12:12	IP050711-4
		0507014-6	SMP	1	7/14/2005	12:14	IP050711-4
		0507014-7	SMP	1	7/14/2005	12:16	IP050711-4
		0507014-8	SMP	1	7/14/2005	12:18	IP050711-4
		0507014-9	SMP	1	7/14/2005	12:20	IP050711-4
		0507014-10	SMP	1	7/14/2005	12:22	IP050711-4
		CCV5	CCV	1	7/14/2005	12:26	
		CCB5	CCB	1	7/14/2005	12:30	
		0507014-11	SMP	1	7/14/2005	12:33	IP050711-4
		0507014-12	SMP	1	7/14/2005	12:35	IP050711-4
		0507052-2	SMP	1	7/14/2005	12:37	IP050711-4
		0507052-3	SMP	1	7/14/2005	12:39	IP050711-4
		0507052-4	SMP	1	7/14/2005	12:41	IP050711-4
		0507052-5	SMP	1	7/14/2005	12:43	IP050711-4
		0507014-1	SMP	1	7/14/2005	12:46	IP050711-4
		CRI2	CRI	1	7/14/2005	12:53	
		ICSA2	ICSA	1	7/14/2005	12:55	
		ICSAB2	ICSAB	1	7/14/2005	12:57	
		CCV6	CCV	1	7/14/2005	12:59	
		CCB6	CCB	1	7/14/2005	13:02	

Data Package ID: IT0506217-2

Mercury

Method SW7470A--Leachate

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050706-8MB

LEACH DATE: 7/6/2005

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07-Jul-05
Date Analyzed: 07-Jul-05
Prep Method: METHOD

Prep Batch: HG050707-1
QCBatchID: HG050707-1-3
Run ID: HG050707-2A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 2 g
Final Volume: 20 g
Result Units: mg/l
Clean DF: 1
File Name: 05070702

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.002	0.002	U	

Data Package ID: *HG0506217-2*

Mercury

Method SW7470A--Leachate

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050712-8MB

LEACH DATE: 7/12/2005

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: METHOD

Prep Batch: HG050713-1
QCBatchID: HG050713-1-3
Run ID: HG050714-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 2 g
Final Volume: 20 g
Result Units: mg/l
Clean DF: 1
File Name: 05071401

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.002	0.002	U	

Data Package ID: *HG0506217-2*

Mercury

Method SW7470A--Leachate
Laboratory Control Sample

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050706-8LCS

LEACH DATE: **7/6/2005**

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/07/2005
Date Analyzed: 07/07/2005
Prep Method: METHOD

Prep Batch: HG050707-1
QCBatchID: HG050707-1-3
Run ID: HG050707-2A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 2 g
Final Volume: 20 g
Result Units: mg/l
Clean DF: 1
File Name: 05070702

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	0.01	0.0103	0.002		103	80 - 120%

Data Package ID: *HG0506217-2*

Mercury

Method SW7470--Leachate
Laboratory Control Sample

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050712-8LCS

LEACH DATE: 7/12/2005

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 07/13/2005
Date Analyzed: 07/14/2005
Prep Method: METHOD

Prep Batch: HG050713-1
QCBatchID: HG050713-1-3
Run ID: HG050714-1A1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 2 g
Final Volume: 20 g
Result Units: mg/l
Clean DF: 1
File Name: 05071401

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	0.01	0.00951	0.002		95	80 - 120%

Data Package ID: *HG0506217-2*

Mercury

Method SW7470A--Leachate
Matrix Spike And Matrix Spike Duplicate

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-4
LabID: 0506217-15MS

LEACH DATE: **7/12/2005**

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: METHOD

Prep Batch: HG050713-1
QCBatchID: HG050713-1-3
Run ID: HG050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 2 g
Final Volume: 20 g
Result Units: mg/l
File Name: 05071401

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7439-97-6	MERCURY	0.002	U	0.0191		0.002	0.02	96	80 - 120%

Field ID: GMI-UST-4
LabID: 0506217-15MSD

LEACH DATE: **7/12/2005**

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 13-Jul-05
Date Analyzed: 14-Jul-05
Prep Method: METHOD

Prep Batch: HG050713-1
QCBatchID: HG050713-1-3
Run ID: HG050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 2 g
Final Volume: 20 g
Result Units: mg/l
File Name: 05071401

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
7439-97-6	MERCURY	0.0195		0.02	98	0.002	20	2

Data Package ID: *HG0506217-2*

Mercury

Method SW7470

Duplicate Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-4
Lab ID: 0506217-15D

LEACH DATE: 7/12/2005

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 06/22/2005
Date Extracted: 07/13/2005
Date Analyzed: 07/14/2005

Prep Batch: HG050713-1
QCBatchID: HG050713-1-3
Run ID: HG050714-1A1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 2 g
Final Volume: 20 g
Result Units: mg/l
Clean DF: 1
File Name: 05071401

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7439-97-6	MERCURY	0.002	U	0.002	U	0.002	1		20

Data Package ID: *HG0506217-2*

MERCURY

Method SW7470

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Date Analyzed: 07-Jul-05
Run ID: HG050707-2A1
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	7/7/2005	0.002	0.0021	0.0002	N/A	105	80 - 120
CCV2	Continuing Calibration	7/7/2005	0.002	0.00205	0.0002	N/A	102	80 - 120
CCV3	Continuing Calibration	7/7/2005	0.002	0.00212	0.0002	N/A	106	80 - 120
ICV	Initial Calibration	7/7/2005	0.001	0.000974	0.0002	N/A	97	90 - 110

Data Package ID: *HG0506217-2*

MERCURY

Method SW7470

Calibration Verifications

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Date Analyzed: 14-Jul-05
Run ID: HG050714-1A1
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
CCV1	Continuing Calibration	7/14/2005	0.002	0.00187	0.0002	N/A	93	80 - 120
CCV2	Continuing Calibration	7/14/2005	0.002	0.00197	0.0002	N/A	99	80 - 120
CCV3	Continuing Calibration	7/14/2005	0.002	0.00203	0.0002	N/A	101	80 - 120
ICV	Initial Calibration	7/14/2005	0.001	0.00101	0.0002	N/A	101	90 - 110

Data Package ID: *HG0506217-2*

MERCURY

Method SW7470

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Date Analyzed: 07-Jul-05
Run ID: HG050707-2A1
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	7/7/2005	0.0002	0.0002	U
CCB2	Continuing Calibration	7/7/2005	0.0002	0.0002	U
CCB3	Continuing Calibration	7/7/2005	0.0002	0.0002	U
ICB	Initial Calibration	7/7/2005	0.0002	0.0002	U

Data Package ID: *HG0506217-2*

MERCURY

Method SW7470

Calibration Blanks

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Date Analyzed: 14-Jul-05
Run ID: HG050714-1A1
Result Units: mg/l

Lab ID	Verification Type	Date Analyzed	Result	Reporting Limit	Flag
CCB1	Continuing Calibration	7/14/2005	0.0002	0.0002	U
CCB2	Continuing Calibration	7/14/2005	0.0002	0.0002	U
CCB3	Continuing Calibration	7/14/2005	0.0002	0.0002	U
ICB	Initial Calibration	7/14/2005	0.0002	0.0002	U

Data Package ID: *HG0506217-2*

Metals Linear Ranges

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Instrument ID: CETAC
Active Date: 04/16/2005
Expiration Date: 07/24/2005

CASNO	Target Analyte	Concentration (ppm)
7439-97-6	MERCURY	0.005

Prep Batch ID: HG050707-1

Start Date: 07/07/05
Start Time: 13:20
Prep Analyst: Chris Dennis

End Date: 07/07/05
End Time: 15:20

Concentration Method: NONE
Extract Method: METHOD
Initial Volume Units: g
Final Volume Units: g

Batch Created By: cjd
Date Created: 07/07/05
Time Created: 17:11
Validated By: cjd
Date Validated: 07/07/05
Time Validated: 17:45

Comments:

QC Batch ID: HG050707-1-3

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX050706-8	MB	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506265
EX050706-8	LCS	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506265
EX050706-8	LCSD	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506265
0506265-21	MS	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506265
0506265-21	MSD	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506265
0506265-21	DUP	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506265
0506217-17	SMP	GMI-UST-6	LEACHA	6/22/2005	2	20	NONE	1	0506217
0506265-20	SMP	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506265
0506265-21	SMP	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506265
0506265-22	SMP	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506265
0506265-23	SMP	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506265

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Mercury Run Log -- 7/7/2005

Instrument ID: CETAC
File Name: 05070702
AnalRunID: HG050707-2A1
CalibRefID: HG050707-2A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		STD0	STD0	1	7/7/2005	16:28	
		STD1	STD1	1	7/7/2005	16:30	
		STD2	STD2	1	7/7/2005	16:31	
		STD3	STD3	1	7/7/2005	16:33	
		STD4	STD4	1	7/7/2005	16:34	
		STD5	STD5	1	7/7/2005	16:36	
		IPC	IPC	1	7/7/2005	16:50	
		ICV	ICV	1	7/7/2005	16:51	
		ICB	ICB	1	7/7/2005	16:53	
		CRA1	CRA	1	7/7/2005	16:55	
		HG050707-1	MB	1	7/7/2005	16:56	HG050707-1
		HG050707-1	LCS	1	7/7/2005	16:58	HG050707-1
		EX050706-8	MB	1	7/7/2005	16:59	HG050707-1
		EX050706-8	LCS	1	7/7/2005	17:01	HG050707-1
		EX050706-8	LCSD	1	7/7/2005	17:03	HG050707-1
		0507008-1	SMP	1	7/7/2005	17:04	HG050707-1
		0507008-3	SMP	1	7/7/2005	17:06	HG050707-1
		0507008-5	SMP	1	7/7/2005	17:07	HG050707-1
		0507008-5	DUP	1	7/7/2005	17:09	HG050707-1
		CCV1	CCV	1	7/7/2005	17:11	
		CCB1	CCB	1	7/7/2005	17:12	
		0507008-5	MS	1	7/7/2005	17:14	HG050707-1
		0507008-5	MSD	1	7/7/2005	17:16	HG050707-1
		0507008-7	SMP	1	7/7/2005	17:17	HG050707-1
		0506251-9	SMP	1	7/7/2005	17:19	HG050707-1
		0506251-9	DUP	1	7/7/2005	17:20	HG050707-1
		0506251-9	MS	1	7/7/2005	17:22	HG050707-1
		0506251-9	MSD	1	7/7/2005	17:24	HG050707-1
		0506255-1	SMP	1	7/7/2005	17:25	HG050707-1
		0506255-4	SMP	1	7/7/2005	17:27	HG050707-1
		0506264-4	SMP	1	7/7/2005	17:28	HG050707-1
		CCV2	CCV	1	7/7/2005	17:30	
		CCB2	CCB	1	7/7/2005	17:32	
	GMI-UST-6	0506217-17	SMP	1	7/7/2005	17:33	HG050707-1
		0506265-20	SMP	1	7/7/2005	17:35	HG050707-1

Data Package ID: HG0506217-2

Mercury Run Log -- 7/7/2005

Instrument ID: CETAC
File Name: 05070702
AnalRunID: HG050707-2A1
CalibRefID: HG050707-2A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		0506265-21	SMP	1	7/7/2005	17:37	HG050707-1
		0506265-21	DUP	1	7/7/2005	17:38	HG050707-1
		0506265-21	MS	1	7/7/2005	17:40	HG050707-1
		0506265-21	MSD	1	7/7/2005	17:41	HG050707-1
		0506265-22	SMP	1	7/7/2005	17:43	HG050707-1
		0506265-23	SMP	1	7/7/2005	17:45	HG050707-1
		CCV3	CCV	1	7/7/2005	17:46	
		CCB3	CCB	1	7/7/2005	17:48	

Data Package ID: HG0506217-2

Prep Batch ID: HG050713-1

Start Date: 07/13/05
Start Time: 15:00
Prep Analyst: Chris Dennis

End Date: 07/13/05
End Time: 17:00

Concentration Method: NONE
Extract Method: METHOD
Initial Volume Units: g
Final Volume Units: g

Batch Created By: cjd
Date Created: 07/14/05
Time Created: 9:09
Validated By: mmj
Date Validated: 07/25/05
Time Validated: 14:08

Comments:

No QC performed on workorders 0507084 and 0507085 due to limited sample volume. LCSD run instead.

QC Batch ID: HG050713-1-3

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX050712-8	MB	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506217
EX050712-8	LCS	XXXXXX	LEACHA	XXXXXX	2	20	NONE	1	0506217
0506217-15	MS	GMI-UST-4	LEACHA	6/22/2005	2	20	NONE	1	0506217
0506217-15	MSD	GMI-UST-4	LEACHA	6/22/2005	2	20	NONE	1	0506217
0506217-15	DUP	GMI-UST-4	LEACHA	6/22/2005	2	20	NONE	1	0506217
0506217-12	SMP	GMI-UST-1	LEACHA	6/22/2005	2	20	NONE	1	0506217
0506217-13	SMP	GMI-UST-2	LEACHA	6/22/2005	2	20	NONE	1	0506217
0506217-14	SMP	GMI-UST-3	LEACHA	6/22/2005	2	20	NONE	1	0506217
0506217-15	SMP	GMI-UST-4	LEACHA	6/22/2005	2	20	NONE	1	0506217
0506217-16	SMP	GMI-UST-5	LEACHA	6/22/2005	2	20	NONE	1	0506217
0506217-18	SMP	GMI-LBB-2	LEACHA	6/22/2005	2	20	NONE	1	0506217
0506217-19	SMP	GMI-LBB-1	LEACHA	6/22/2005	2	20	NONE	1	0506217
0506217-20	SMP	GMI-VOR	LEACHA	6/22/2005	2	20	NONE	1	0506217

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Paragon Analytics
LIMS Version: 5.204A

Date Printed: Monday, July 25, 2005

Mercury Run Log -- 7/14/2005

Instrument ID: CETAC
File Name: 05071401
AnalRunID: HG050714-1A1
CalibRefID: HG050714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		STD0	STD0	1	7/14/2005	11:22	
		STD1	STD1	1	7/14/2005	11:23	
		STD2	STD2	1	7/14/2005	11:25	
		STD3	STD3	1	7/14/2005	11:27	
		STD4	STD4	1	7/14/2005	11:28	
		STD5	STD5	1	7/14/2005	11:30	
		IPC	IPC	1	7/14/2005	11:35	
		ICV	ICV	1	7/14/2005	11:36	
		ICB	ICB	1	7/14/2005	11:38	
		CRA1	CRA	1	7/14/2005	11:40	
		HG050713-1	MB	1	7/14/2005	11:41	HG050712-1
		HG050713-1	LCS	1	7/14/2005	11:43	HG050712-1
		HG050713-1	LCSD	1	7/14/2005	11:44	HG050712-1
		EX050712-8	MB	1	7/14/2005	11:46	HG050712-1
		EX050712-8	LCS	1	7/14/2005	11:48	HG050712-1
		0507084-1	SMP	1	7/14/2005	11:49	HG050712-1
		0507084-2	SMP	1	7/14/2005	11:51	HG050712-1
		0507084-3	SMP	1	7/14/2005	11:53	HG050712-1
		0507085-1	SMP	1	7/14/2005	11:54	HG050712-1
		CCV1	CCV	1	7/14/2005	11:56	
		CCB1	CCB	1	7/14/2005	11:57	
	GMI-UST-1	0506217-12	SMP	1	7/14/2005	11:59	HG050712-1
	GMI-UST-2	0506217-13	SMP	1	7/14/2005	12:01	HG050712-1
	GMI-UST-3	0506217-14	SMP	1	7/14/2005	12:02	HG050712-1
	GMI-UST-4	0506217-15	SMP	1	7/14/2005	12:04	HG050712-1
	GMI-UST-4	0506217-15	DUP	1	7/14/2005	12:05	HG050712-1
	GMI-UST-4	0506217-15	MS	1	7/14/2005	12:07	HG050712-1
	GMI-UST-4	0506217-15	MSD	1	7/14/2005	12:09	HG050712-1
	GMI-UST-5	0506217-16	SMP	1	7/14/2005	12:10	HG050712-1
	GMI-LBB-2	0506217-18	SMP	1	7/14/2005	12:12	HG050712-1
	GMI-LBB-1	0506217-19	SMP	1	7/14/2005	12:14	HG050712-1
		CCV2	CCV	1	7/14/2005	12:15	
		CCB2	CCB	1	7/14/2005	12:17	
	GMI-VOR	0506217-20	SMP	1	7/14/2005	12:18	HG050712-1
		CCV3	CCV	1	7/14/2005	12:20	

Data Package ID: HG0506217-2

Paragon Analytics
LIMS Version: 5.204A

Date Printed: Monday, July 25, 2005

Mercury Run Log -- 7/14/2005

Instrument ID: CETAC
File Name: 05071401
AnalRunID: HG050714-1A1
CalibRefID: HG050714-1A1

Comment	Field ID	Lab ID	QC Type	DF	Date Analyzed	Time Analyzed	Prep Batch ID
		CCB3	CCB	1	7/14/2005	12:22	

Data Package ID: HG0506217-2

Paragon Analytics
LIMS Version: 5.204A

Date Printed: Monday, July 25, 2005

133C

Raw Data

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T50630A

SW

STANDARD SOLUTION CODES

MIX A High Standard (ST050601-4) exp 08/21/05

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Na,K	100

The following dilutions of MIX A high standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX A (1/2)	1/2	5ml MIX A high standard diluted to 10ml final volume
MIX A (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX A (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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MIX B High Standard -- made fresh daily as described below

4.0ml Intermediate Mix (ST050523-14) exp 08/21/05
0.04ml 1000ug/ml Ag (ST040602-37) exp 08/21/05
brought to a final volume of 20ml. The resulting concentrations are:

Element	Concentration (ug/ml)
Ag,Sb	2
Ba,Be,Cd,Co,Cu	10
Cr,Mn,Ni,V,Zn	10
As,Pb,Se,Tl	10

The following dilutions of the MIX B high standard were made to provide additional calibration standards.

Standard	Dilution	Procedure
MIX B (1/10)	1/10	1ml of MIX B high standard to 10ml final volume
MIX B (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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MIX C High Standard (ST040812-13) exp 08/21/05

Element	ug/ml
U,Si	50

Li,Mo,Ti	10
Sr,Sn,B	10

The following dilutions of MIX C High standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX C (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX C (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

Reporting Limit Standard (RL STD) -- made fresh daily as described below

0.1ml Intermediate RL STD MIX 1 (ST050523-15) exp 8/21/05
0.1ml Intermediate RL STD MIX 2 (ST050601-6) exp 8/21/05
0.05ml Non-TAL Intermediate (ST040812-11) exp 8/21/05

brought to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Ca,Mg,Na,K	0.5
Al,Fe,B,U	0.1
Si,Sn	0.05
Li,Mo,Ti,Sr	0.01
Sb	0.008
Ni,Zn,As,Se,Tl	0.005
Pb	0.003
Ba,Cr,Co,Cu	0.002
Mn,Ag,V	0.002
Be,Cd	0.001

ICSA (preparation date: 06/23/05)
Made by diluting:
10ml (ST050505-12) exp 09/15/06
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200

ICSAB (prepraration date: 06/30/05)
Made by diluting:
10ml (ST050505-12) exp 09/15/06
1.0ml (ST040525-42) exp 11/13/05
1.0ml Non-TAL ICSAB Int. (ST040812-15) exp 08/21/05
1.0ml of 1000ug/ml U (ST040301-3) exp 09/30/05

to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200
U	10.0
Cd,Ni,Zn,Li,Sn	1.0
Mo,Si,Ti,Sr,B	1.0
Sb	0.6
Ba,Be,Co,Cr	0.5
Cu,Mn,V	0.5
Ag	0.2
As,Tl	0.1
Pb,Se	0.05

CCV (check standard) -- preparation date: 06/30/05
made by diluting:
0.5ml IV-7 (ST050601-3) exp 06/01/06
0.5ml IV-19 (ST050601-5) exp 06/01/06
5.0ml Major Element 2nd source (ST050601-7) exp 11/07/05
0.5ml Non-TAL CCV Int. (ST040812-14) exp 11/07/05
0.1ml of 10000ug/ml U (ST050209-2) exp 03/01/06

to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	50.5
Fe,Na	20.5
K	20.0
U	10.0
B	1.0
Ba,Be,Cd,Co,Cr,Li	0.5
Cu,Mn,Ni,Sb,V,Zn	0.5
As,Pb,Se,Tl,Mo,Ti	0.5
Ag,Sr,Sn	0.5
Si	0.25

ICV (initial calibration check standard)
Prepared by diluting CCV (described above) 1/2. The 1/2 dilution was made by diluting 5ml of CCV to 10ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	25.25
Fe,Na	10.25
K	10.0
U	5.0
B	0.5
Ba,Be,Cd,Co,Cr,Li	0.25
Cu,Mn,Ni,Sb,V,Zn	0.25

As,Pb,Se,Tl,Mo,Ti	0.25
Ag,Sr,Sn	0.25
Si	0.125

CRI (preparation date: 06/23/05)

Made by diluting:

1.0ml intermediate solution 1 (ST040602-4) exp 11/07/05
1.0ml intermediate solution 2 (ST040602-5) exp 11/07/05
1.0ml intermediate solution 3 (ST040602-6) exp 11/07/05
0.5ml 2000ug/ml Ca,Mg,Na,K (ST040601-4) exp 11/07/05
0.1ml Non-TAL Int. (ST040812-11) exp 08/21/05

to 100ml final volume.

Element	ug/ml
Ca,Mg,Na,K	10.0
Si,Sn	0.1
Fe,U,B	0.2
Al,Ba	0.4
Tl,Cr,Ag,Li,Mo	0.02
Ti,Sr	0.02
Be,Cd,Se,As	0.01
Co,V	0.1
Cu	0.05
Pb	0.006
Mn	0.03
Ni	0.08
Zn	0.04
Sb	0.12

BLANK (used for CCB) 5%HNO3,2.5%HCL in double deionized water

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Acid Lot Numbers

HNO3 -- B01041
HCl -- A52026

Pipet ID Numbers

1.0 to 5.0ml M-55

0.1 to 1.0ml M-61

0.01 to 0.1ml M-57

Date of Multi-point calibration: 06/30/05

Interelement Interference Information

The following table summarizes spectral interferences which have been identified and for which IEC's are used. If a sample contains a concentration of an interfering element which exceeds the upper analytical range and an affected element is being determined, it is necessary to dilute the sample to bring the interfering element into the analytical range.

Interfering Element (and upper analytical range in ug/ml)	Affected Elements
Al (500)	Pb,Se
Fe (200)	Cd,Pb,Se,Tl
Ca (500)	Pb
Mg (500)	Pb
Ba (10)	Co
Co (10)	Al,Ni,Fe,Pb,Tl
Cr (10)	As,Sb
Mn (10)	Tl,Pb,Se
Ni (10)	Pb,Al
V (10)	Al,Be,Fe,Tl
U (50)	Al,Cr,Fe,Pb,Tl,Sn,Mo,Ag,Cu,V,Ti
Mo (10)	Sb,V,As,Pb,Sb,Co
Ti (10)	Co,Tl,Sn,Zn,Sb
Sn (10)	Se,Si

The following table lists element concentrations (ug/ml) for which no significant spectral interferences have been observed.

Element	Concentration	Element	Concentration
Pb	100	As	10
Ag	10	Tl	10
Cd	10	Se	10
Be	10	Na	500
Cu	100	K	500
Sb	10		
Zn	100		

Dilutions

5X dilutions made by diluting 1ml of sample to 5ml final volume.

2X dilutions made by diluting 5ml of sample to 10ml final volume.

3X dilutions made by diluting 2ml of sample to 6ml final volume.

10X dilutions made by diluting 1ml of sample to 10ml final volume.

25X dilutions made by diluting 0.2ml of sample to 5ml final volume.

50X dilutions made by diluting 0.1ml of sample to 5ml final volume.

200X dilutions made by diluting 0.05ml of sample to 10ml final volume.

100X dilutions made by diluting 0.1ml of sample to 10ml final volume.

500X dilutions made by diluting 0.02ml of sample to 10ml final volume.

ANALYTICAL SPIKES

No post digestion analytical spikes were made during this sequence.

COMMENTS

1. Please see run log and workorders for elements of interest.

ICP REVIEWER COMMENTS

Daily Maintenance Items

1. Check/Change pump tubing
2. Check/Empty drain container
3. Check and record As profile
4. Record As,Se signal:background ratios

Daily Maintenance Performed SW

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
19	0506248-4	T	30EL	06/30/05	12:12	SW	S	CONC
20	0506248-5	T	30EL	06/30/05	12:14	SW	S	CONC
21	0506248-6	T	30EL	06/30/05	12:16	SW	S	CONC
22	IP050629-5MB	T	30EL	06/30/05	12:20	SW	S	CONC
23	CCV	T	30EL	06/30/05	12:22	SW	Q	CONC
24	CCB	T	30EL	06/30/05	12:24	SW	B	CONC
25	IP050629-5LCS	T	30EL	06/30/05	12:27	SW	S	CONC
26	0506197-1	T	30EL	06/30/05	12:30	SW	S	CONC
27	0506197-1D	T	30EL	06/30/05	12:32	SW	S	CONC
28	0506197-1L 5X	T	30EL	06/30/05	12:34	SW	S	CONC
29	0506197-1MS	T	30EL	06/30/05	12:36	SW	S	CONC
30	0506197-1MSD	T	30EL	06/30/05	12:38	SW	S	CONC
31	0506246-4	T	30EL	06/30/05	12:41	SW	S	CONC
32	0506246-5	T	30EL	06/30/05	12:43	SW	S	CONC
33	0506197-1 2X	T	30EL	06/30/05	12:49	SW	S	CONC
34	0506197-1D 2X	T	30EL	06/30/05	12:51	SW	S	CONC
35	CCV	T	30EL	06/30/05	12:53	SW	Q	CONC
36	CCB	T	30EL	06/30/05	12:56	SW	B	CONC
37	0506197-1L 10X	T	30EL	06/30/05	12:58	SW	S	CONC
38	0506197-1MS 2X	T	30EL	06/30/05	13:00	SW	S	CONC
39	0506197-1MSD 2X	T	30EL	06/30/05	13:02	SW	S	CONC
40	~~0506197-1 10X~~	T	30EL	06/30/05	13:06	SW	S	CONC
41	0506197-1D 10X	T	30EL	06/30/05	13:08	SW	S	CONC
42	0506197-1L 50X	T	30EL	06/30/05	13:10	SW	S	CONC
43	0506197-1MS 10X	T	30EL	06/30/05	13:12	SW	S	CONC
44	0506197-1MSD 10X	T	30EL	06/30/05	13:14	SW	S	CONC
45	F050628-1MB	T	30EL	06/30/05	13:21	SW	S	CONC
46	F050628-1LCS	T	30EL	06/30/05	13:23	SW	S	CONC
47	CCV	T	30EL	06/30/05	13:25	SW	Q	CONC
48	CCB	T	30EL	06/30/05	13:28	SW	B	CONC
49	0506122-22	T	30EL	06/30/05	13:30	SW	S	CONC
50	0506122-22D	T	30EL	06/30/05	13:32	SW	S	CONC
51	0506122-22L 5X	T	30EL	06/30/05	13:34	SW	S	CONC
52	0506122-22MS	T	30EL	06/30/05	13:36	SW	S	CONC
53	0506122-22MSD	T	30EL	06/30/05	13:38	SW	S	CONC
54	0506199-5	T	30EL	06/30/05	13:43	SW	S	CONC
55	0506200-13	T	30EL	06/30/05	13:45	SW	S	CONC
56	0506217-10	T	30EL	06/30/05	13:47	SW	S	CONC
57	0506217-11	T	30EL	06/30/05	13:49	SW	S	CONC
58	0506218-14	T	30EL	06/30/05	13:51	SW	S	CONC
59	CCV	T	30EL	06/30/05	13:55	SW	Q	CONC
60	CCB	T	30EL	06/30/05	14:05	SW	B	CONC
61	CRI	T	30EL	06/30/05	14:27	SW	S	CONC
62	ICSA	T	30EL	06/30/05	14:29	SW	Q	CONC
63	ICSAB	T	30EL	06/30/05	14:30	SW	Q	CONC
64	CCV	T	30EL	06/30/05	14:32	SW	Q	CONC
65	CCB	T	30EL	06/30/05	14:36	SW	B	CONC

Be

SW 7/1/05

Ba, Be, Cr, Co, Cu, K, Mg, Mn, Na, Al, Zn, B

Not reported

Ca

SW 7/1/05 (via sandy during 2nd burn)

Sr

(TAL + B, Mo) – Cd, Sb, Tl *

As, Cr, Se

RCRA – Pb result is OK since Pb in samples is greater than 10X level found in final ICSA.

RCRA *

(TAL + B, Mo – Cd, Sb, Tl) *

(Pb high)

* Pb less than RL. Since Pb is less than RL. no action was taken due to high Pb in ICSA.

Monthly Maintenance Items

1. Check/Clean torch for deposits
2. Check/Clean nebulizer and spray chamber
3. Fill water recirculating reservoir
4. Clean air filters
5. Check/Fill vacuum pump oil

Monthly Maintenance Performed on 06/09/05 (SW)

Multi-point calibrations performed at beginning of sequence.
Blank; RL STD; MIX A: High, 1/2, 1/10, 1/100; MIX B: High, 1/10, 1/100; MIX C: High, 1/10, 1/100

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	MIXCHIGH	T	30EL	06/30/05	10:01	SW	Q	CONC
2	MIXBHIGH	T	30EL	06/30/05	10:03	SW	Q	CONC
3	MIXAHIGH	T	30EL	06/30/05	10:04	SW	Q	CONC
4	ICV	T	30EL	06/30/05	10:15	SW	Q	CONC
5	ICB	T	30EL	06/30/05	10:19	SW	B	CONC
6	CRI	T	30EL	06/30/05	10:21	SW	S	CONC
7	ICSA	T	30EL	06/30/05	10:23	SW	Q	CONC
8	ICSAB	T	30EL	06/30/05	10:25	SW	Q	CONC
9	CCV	T	30EL	06/30/05	10:27	SW	Q	CONC
10	CCB	T	30EL	06/30/05	10:32	SW	B	CONC
11	CCV	T	30EL	06/30/05	11:54	SW	Q	CONC
12	CCB	T	30EL	06/30/05	11:58	SW	B	CONC
13	IP050629-1MB Be	T	30EL	06/30/05	12:00	SW	S	CONC
14	IP050629-1LCS	T	30EL	06/30/05	12:02	SW	S	CONC
15	IP050629-1LCSD	T	30EL	06/30/05	12:04	SW	S	CONC
16	0506248-1	T	30EL	06/30/05	12:06	SW	S	CONC
17	0506248-2	T	30EL	06/30/05	12:08	SW	S	CONC
18	0506248-3	T	30EL	06/30/05	12:10	SW	S	CONC

#	Element	MIXCHIGH	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI
1	Al	.27143	-.02190	495.00	24.840	.03113	.38338
2	Sb	-.02893	1.9601	.02906	.24571	.00010	.13107
3	As	.00075	9.9448	.01447	.23891	.00234	.01156
4	Ba	.00015	9.8126	.00758	.23891	-.00003	.40994
5	Be	.00406	10.001	.00719	.25138	-.00005	.01037
6	Cd	-.00178	9.8998	.00531	.24873	-.00032	.01030
7	Ca	.09082	.03694	495.07	25.157	.02626	9.2294
8	Cr	.00760	9.9462	.01034	.24522	-.00023	.02130
9	Co	.00356	9.9797	.00943	.24773	.00038	.10554
10	Cu	.00759	9.9306	.01097	.24747	.00152	.05397
11	Fe	-.16485	.38061	199.28	10.115	.01399	.19010
12	Pb	.00083	9.9408	.00887	.24516	.00005	.00650
13	Mg	-.25074	-.02181	498.18	25.150	.00515	9.4651
14	Mn	.00708	9.9389	.01367	.24398	.00019	.03145
15	Ni	.00656	9.9089	.00920	.24799	-.00003	.08626
16	K_	.17325	.05040	100.04	9.7571	.06378	8.7402
17	Se	-.00695	9.9213	.02736	.24923	.00112	.01162
18	Ag	.00540	1.9838	.01369	.24230	.00063	.02060
19	Na	.14998	.10789	99.770	10.011	.09798	8.8943
20	Tl	.01321	9.9314	.00404	.25119	.00218	.02408
21	V_	-.00159	9.9323	.00948	.24711	.00005	.10627
22	Zn	-.01143	9.9830	.02670	.25049	.00024	.04460
23	Ti	9.9397	.00862	.00506	.24303	.00060	.02110
24	B	9.9845	.03030	.00816	.49750	.00219	.20255
25	Si	50.036	.04839	.02262	.12382	.00112	.09701
26	Sn	10.031	.00948	.00774	.24901	.00220	.10143
27	Mo	10.011	.05228	.01214	.24758	.00153	.02288
28	Sr	9.8639	.00554	.00728	.24750	.00019	.02080
29	U	49.32	.0052	.0546	4.834	.0125	.2062

#	Element	ICSA	ICSAB	CCV	CCB	CCV	CCB
1	Al	489.85	493.43	51.339	.04762	51.738	.02265
2	Sb	.00494	.55318	.47577	.00119	.47600	.00104
3	As	.00358	.09279	.48302	.00054	.48281	-.00110
4	Ba	.00153	.45774	.47404	-.00002	.47209	-.00006
5	Be	.00088	.47037	.49866	-.00007	.49984	-.00011
6	Cd	-.00066	.90035	.49060	-.00039	.48847	-.00055
7	Ca	511.69	520.82	52.211	.04370	52.611	.03422
8	Cr	-.00022	.44307	.48545	-.00028	.48628	-.00015
9	Co	.00357	.45144	.48944	.00031	.49148	-.00008
10	Cu	-.00159	.50552	.49567	.00117	.49643	-.00004
11	Fe	205.74	209.04	20.854	.02035	20.883	.01285
12	Pb	.00214	.04582	.48869	-.00064	.48753	.00003
13	Mg	512.11	521.62	51.594	.02190	51.635	.00969
14	Mn	.00811	.45703	.48483	.00019	.48874	.00018
15	Ni	.00277	.88104	.48556	.00054	.48421	.00005
16	K_	-.09696	-.04502	20.122	.09349	20.043	.11682
17	Se	-.00328	.04799	.49185	.00281	.49579	.00341
18	Ag	.00105	.20182	.48973	.00068	.48877	.00051
19	Na	.11222	.12403	20.911	.10149	21.033	.10069
20	Tl	.00280	.09868	.49301	.00226	.49822	.00173

#	Element	ICSA	ICSAB	CCV	CCB	CCV	CCB
21	V_	.00335	.46864	.49150	-.00017	.49339	-.00011
22	Zn	.01363	.90618	.49625	.00099	.49589	.00106
23	Ti	.00285	.93408	.48346	.00041	.48699	.00026
24	B	.00131	.97798	.99641	.00186	.98809	.00135
25	Si	.00008	.86562	.24891	.00055	.24871	-.00135
26	Sn	.00357	.94682	.49922	.00173	.48970	.00251
27	Mo	.00010	.95530	.49990	.00179	.49600	.00102
28	Sr	.00769	.93672	.49111	.00019	.49173	.00017
29	U	.0351	9.874	9.637	.0132	9.721	.0076

-0629 → -248 →

#	Element	IP0'-1MB	IP0'1LCS	IP0'LCSD	050'48-1	050'48-2	050'48-3
1	Al	.05606	.22948	.26756	10.775	2.7424	100.70
2	Sb	-.00915	-.00558	-.00580	-.00278	-.00483	.01057
3	As	.01016	.01370	.01327	.02059	.01433	.08984
4	Ba	.00166	.20819	.20822	.19674	.08996	1.5654
5	Be	-.00021	.00521	.00516	.00090	.00010	.01155
6	Cd	-.00022	.00529	.00517	.00054	.00017	-.00299
7	Ca	.67649	.62499	.80621	33.174	8.8471	83.586
8	Cr	.00521	.01296	.00711	.06117	.01568	.18725
9	Co	.00000	.05497	.05482	.01143	.00352	.09837
10	Cu	.03619	.04038	.06389	.18571	.04007	.36301
11	Fe	.81077	.56788	.24954	26.170	7.0572	H229.20
12	Pb	.00661	.00674	.00369	.04213	.02349	.16667
13	Mg	.06614	.08716	.12039	5.7945	1.5905	27.312
14	Mn	.00627	.02083	.01996	.58849	.17017	4.0744
15	Ni	.00238	.04809	.04633	.03460	.01594	.19386
16	K_	.05506	.11084	.06922	3.4089	1.3857	19.153
17	Se	-.00107	.00720	.00657	.00104	.00192	.00450
18	Ag	.00028	.00047	.00067	.00116	.00046	.00195
19	Na	2.7364	3.0363	2.8135	5.3821	4.0408	7.7023
20	Tl	-.01113	-.00291	-.00068	-.01105	-.01287	-.01080
21	V_	-.00005	.05588	.05548	.05499	.01605	.41532
22	Zn	.14803	.11539	.07184	.32130	.16553	.70417
23	Ti	.00265	.00195	.00244	.42068	.14112	1.2159
24	B	.00591	.00653	.00744	.03525	.02940	.05084
25	Si	.17774	.15676	.19838	3.4865	1.3742	17.180
26	Sn	.01869	.01208	.01307	.05476	.04490	.05038
27	Mo	.00221	.00128	.00230	.00656	.00315	.01473
28	Sr	.00172	.00213	.00396	.09521	.03236	.33800
29	U	.0063	.0143	.0197	.0393	.0151	.0267

-248 → -0629

#	Element	050'48-4	050'48-5	050'48-6	IP0'-5MB	CCV	CCB
1	Al	14.690	23.088	19.142	.01545	51.488	.02913
2	Sb	.01682	-.00231	-.00056	-.00163	.46946	.00031
3	As	.02062	.02764	.02306	.00248	.48192	.00264
4	Ba	.42443	.40195	.40504	.00000	.46654	.00008
5	Be	.00125	.00246	.00172	-.00016	.49905	-.00002
6	Cd	.00346	.00008	.00138	-.00031	.48676	-.00033
7	Ca	65.575	28.003	45.990	.03550	52.527	.04131
8	Cr	.05849	.04804	.05024	.00050	.48656	.00021

~248 → ~0629

#	Element	050'48-4	050'48-5	050'48-6	IP0'-5MB	CCV	CCB
9	Co	.01376	.02299	.01770	.00016	.49244	.00057
10	Cu	.31914	.08119	.14348	.00022	.49377	.00023
11	Fe	32.792	47.335	44.993	.02041	20.812	.02102
12	Pb	.06333	.05467	.10014	.00052	.48570	.00036
13	Mg	6.5384	8.3852	8.4144	.00300	51.582	.01765
14	Mn	.65604	.99682	.88910	.00045	.48790	.00038
15	Ni	.04664	.06478	.05012	.00023	.48353	.00015
16	K_	4.7632	6.0599	6.2026	.08773	19.991	.16194
17	Se	.00257	.00277	.00384	.00303	.49749	-.00010
18	Ag	.00090	.00082	.00062	.00072	.48738	.00084
19	Na	6.9369	5.9660	6.5476	.09708	21.018	.10393
20	Tl	-.01147	-.01313	-.01242	-.00062	.50343	.00430
21	V_	.07134	.10896	.09490	.00000	.49320	.00034
22	Zn	1.4068	.40719	.51554	.00649	.49682	.00120
23	Ti	.55755	.52905	.63643	.00059	.48501	.00057
24	B	.09563	.03257	.03675	.00043	.98145	.00208
25	Si	4.8023	7.7130	6.5036	.00729	.25025	.00145
26	Sn	.04438	.04070	.04378	.00736	.49150	.00293
27	Mo	.01013	.00749	.00834	.00026	.49708	.00213
28	Sr	.28245	.12361	.17119	.00014	.48621	.00026
29	U	.0245	.0229	.0109	.0115	9.634	.0212

~0629 ~197 →

#	Element	IP0'5LCS	050'97-1	050'7-1D	050'L 5X	050'-1MS	050'1MSD
1	Al	1.7494	7.8218	6.1599	1.5916	9.9714	10.059
2	Sb	.46074	-.00036	.00017	-.00143	.39967	.39951
3	As	1.9441	.01610	.01808	.00505	1.9009	1.9216
4	Ba	1.8686	3.3917	3.5721	.70950	5.2735	5.2285
5	Be	.05065	.00081	.00081	.00008	.04845	.04850
6	Cd	.04885	.00000	.00005	-.00041	.04403	.04432
7	Ca	38.491	471.43	498.36	91.633	H510.87	H532.16
8	Cr	.19391	.03964	.03731	.00812	.21030	.21304
9	Co	.48889	.03318	.03207	.00752	.47305	.47360
10	Cu	.24628	.09985	.06744	.02033	.31359	.30799
11	Fe	.85894	16.571	12.749	3.3131	15.525	16.117
12	Pb	.48375	.05359	.04472	.01050	.48679	.49157
13	Mg	37.651	101.43	103.05	20.564	136.73	143.11
14	Mn	.48806	8.9485	9.4441	1.9048	9.1372	9.6252
15	Ni	.48085	.08509	.06659	.01840	.49716	.50058
16	K_	33.318	5.8645	5.5248	1.1541	43.337	43.398
17	Se	1.9226	.00223	.00041	-.00001	1.8765	1.8917
18	Ag	L.00014	.00260	.00275	.00075	.00197	.00208
19	Na	35.482	43.414	43.690	8.5174	80.643	80.612
20	Tl	2.0013	.00039	-.00191	.00159	1.8323	1.8495
21	V_	.49582	.14576	.13887	.03135	.59216	.60136
22	Zn	.49692	.13922	.10149	.03051	.54297	.55746
23	Ti	.48866	.57274	.49254	.12137	1.0029	1.0476
24	B	.96809	.79629	.84214	.16567	1.7034	1.7666
25	Si	L1.5189	12.159	9.2968	2.5646	14.335	15.002
26	Sn	.47579	.03133	.03426	.00879	.46720	.46824
27	Mo	.99651	.01117	.01100	.00230	.93060	.93317
28	Sr	.46880	H22.986	H24.328	4.4066	H23.065	H26.673
29	U	.0200	.0630	.0724	.0244	.0633	.0691

-246 → -197

#	Element	050'46-4	050'46-5	050'1 2X	050'D 2X	CCV	CCB
				1	1D		
1	Al	4.2890	15.021	3.9747	3.2022	51.429	.02646
2	Sb	1.1122	.00891	.00206	-.00174	.47869	-.00113
3	As	.63717	.00629	.00972	.01114	.48180	.00191
4	Ba	.11697	.41608	1.7333	1.8633	.46685	.00021
5	Be	.60971	.00305	.00036	.00037	.50203	-.00007
6	Cd	.78318	.00106	-.00015	-.00026	.49240	-.00034
7	Ca	46.656	7.1015	232.82	246.81	52.982	.05452
8	Cr	3.4633	.09179	.02033	.01926	.48858	.00013
9	Co	.83720	.01025	.01752	.01693	.49443	.00014
10	Cu	.87577	.07129	.05065	.03460	.49270	.00001
11	Fe	101.11	25.667	8.3323	6.4669	20.907	.01884
12	Pb	1.0931	.02289	.02658	.02241	.49125	-.00018
13	Mg	8.0365	1.6397	51.086	52.172	51.825	.01823
14	Mn	6.3778	.18779	4.6080	4.8958	.49096	.00083
15	Ni	3.4199	.05051	.04466	.03523	.48785	.00021
16	K_	24.397	4.2996	2.8910	2.7464	19.893	.15513
17	Se	.73060	.00630	-.00111	.00116	.49569	.00110
18	Ag	1.2270	.00276	.00163	.00167	.48800	.00084
19	Na	6.3938	.76564	21.815	22.195	20.837	.10599
20	Tl	1.2816	.00345	.00061	-.00170	.50410	.00202
21	V_	.57608	.19144	.07554	.07241	.49568	.00039
22	Zn	5.5306	.03677	.07621	.05335	.50164	.00099
23	Ti	.46474	.24836	.29583	.25729	.48694	.00045
24	B	.56361	.04200	.40572	.43423	.98766	.00279
25	Si	1.9588	4.7978	6.6894	6.8377	.25353	.00222
26	Sn	2.2746	.05969	.01697	.01947	.49242	.00320
27	Mo	.97185	.00931	.00537	.00546	.49925	.00120
28	Sr	.08312	.09442	H10.900	H11.600	.48635	.00138
29	U	.0157	.5673	.0420	.0492	9.727	.0195

-197

#	Element	050'(10X)	050'S(2X)	050'D(2X)	~~050'(10X)~~	050'(10X)	050'(50X)
		1L	1MS	1MSD	1	1D	1L
1	Al	.79806	5.1118	5.1511	.46430	.64485	.16823
2	Sb	-.00172	.21297	.21273	.01468	-.00119	.00446
3	As	.00363	.97019	.96926	.01034	.00312	.00359
4	Ba	.35756	2.7505	2.7128	.20603	.38562	.07200
5	Be	.00000	.02467	.02470	.00006	-.00002	-.00013
6	Cd	-.00051	.02300	.02300	.00032	-.00051	-.00033
7	Ca	44.365	254.06	265.53	24.958	47.316	8.2980
8	Cr	.00399	.10988	.11147	.00440	.00381	.00094
9	Co	.00376	.24809	.24861	.00477	.00359	.00170
10	Cu	.01032	.16026	.15751	.00301	.00711	.00207
11	Fe	1.6292	7.8562	8.1754	1.0329	1.2714	.31259
12	Pb	.00530	.25417	.25620	.00448	.00439	.00128
13	Mg	10.182	69.095	72.299	6.0017	10.418	2.0284
14	Mn	.95888	4.7369	4.9939	.56229	1.0202	.19470
15	Ni	.00981	.26260	.26399	.00796	.00711	.00263
16	K_	.61559	22.111	22.142	1.1220	.60049	.25393
17	Se	.00415	.95896	.96911	.00175	-.00208	.00176
18	Ag	.00094	.00107	.00147	.00325	.00080	.00130
19	Na	4.0363	40.385	40.460	2.3126	4.1062	.84150
20	Tl	.00136	.95751	.96438	~~-.00319~~	.00219	.00226

SW 7/14/05

-L 92

#	Element	050' 10X	050'S 2X	050'D 2X	050' 10X	050' 10X	050' 50X
		1L	1MS	1MSD		1D	1L
21	V_	.01604	.30802	.31253	.01129	.01525	.00370
22	Zn	.01941	.28556	.29328	.01242	.01174	.00533
23	Ti	.06147	.51971	.54155	.03836	.05376	.01275
24	B	.08360	.87404	.90515	.05115	.08930	.01875
25	Si	1.3733	7.4220	7.6075	.79999	1.4864	.29162
26	Sn	.00486	.23880	.24176	.00270	.00595	.00326
27	Mo	.00162	.47757	.47953	.00420	.00213	.00078
28	Sr	2.2300	H11.236	H12.355	1.2377	2.3797	.44949
29	U	.0244	.0406	.0459	.1009	.0226	.0340

7/18/05

-0628

#	Element	050' 10X	050' 10X	F05'-1MB	F05'1LCS	CCV	CCB
		1MS	1MSD				
1	Al	1.0181	1.0380	.01146	1.8163	51.575	.02320
2	Sb	.04721	.05128	-.00082	.48497	.47611	-.00049
3	As	.19163	.19446	.00063	2.0593	.48812	.00215
4	Ba	.56424	.56401	-.00008	1.9166	.47172	.00017
5	Be	.00495	.00498	-.00019	.05196	.49741	-.00007
6	Cd	.00472	.00477	-.00057	.05037	.48878	-.00035
7	Ca	48.989	50.972	.02596	39.711	52.398	.03937
8	Cr	.02326	.02402	-.00044	.19432	.48352	-.00014
9	Co	.05283	.05365	.00016	.49616	.48896	.00042
10	Cu	.03249	.03203	-.00070	.24899	.49513	.00007
11	Fe	1.5536	1.6167	.00247	.87013	20.728	.01726
12	Pb	.05287	.05343	.00007	.50239	.48791	.00054
13	Mg	13.812	14.478	-.00031	39.289	51.298	.01374
14	Mn	.99125	1.0473	.00022	.49049	.48609	.00039
15	Ni	.05595	.05732	-.00004	.49373	.48617	.00013
16	K_	4.3191	4.3070	.08987	34.832	19.892	.17005
17	Se	.19818	.19805	-.00036	2.1443	.50235	.00314
18	Ag	.00065	.00161	.00045	.04980	.48655	.00070
19	Na	7.8169	7.7947	.09733	37.590	20.842	.10599
20	Tl	.20182	.20273	.00391	2.0830	.50684	.00647
21	V_	.06465	.06614	-.00012	.49846	.49314	.00000
22	Zn	.06318	.06317	.00003	.51729	.49396	.00074
23	Ti	.10778	.11295	-.00002	.49303	.48639	.00057
24	B	.17823	.18650	.00132	1.0446	.98741	.00282
25	Si	1.5753	1.6048	-.00069	1.7804	.24994	.00070
26	Sn	.05136	.05094	.00187	.47445	.48610	.00320
27	Mo	.09899	.09960	.00000	.99951	.50048	.00332
28	Sr	2.2890	2.5361	.00035	.47647	.49034	.00045
29	U	.0244	.0475	.0032	.0187	9.836	.0121

-122 -199

#	Element	050'2-22	050'-22D	050'L 5X	050'22MS	050'2MSD	050'99-5
1	Al	.02044	.01877	.01545	1.7876	1.8116	.01300
2	Sb	.00026	-.00271	.00055	.48010	.48404	.00256
3	As	.00238	.00037	.00169	2.0299	2.0534	.00363
4	Ba	.00030	.00006	.00007	1.8628	1.8851	.00792
5	Be	-.00014	-.00015	-.00013	.05134	.05185	.00008
6	Cd	-.00048	-.00066	-.00034	.04915	.04988	-.00074
7	Ca	.04836	.06768	.03314	39.364	39.404	448.78
8	Cr	.00691	.00367	.00139	.19278	.19637	.00150

#	Element	050'2-22 (-122)	050'-22D	050'L 5X	050'22MS	050'2MSD	050'99-5 (~199)
9	Co	.00059	.00031	.00059	.49061	.49582	.00095
10	Cu	.00077	.00006	.00004	.24424	.24709	.00235
11	Fe	.07662	.02558	.01925	.85428	.87619	.02604
12	Pb	-.00044	-.00067	.00031	.49370	.50042	.00057
13	Mg	.00697	.00443	.00536	38.976	39.077	91.934
14	Mn	.00079	.00060	.00040	.48469	.48943	.28166
15	Ni	.00111	.00088	.00052	.48727	.49232	.00521
16	K_	.14888	.13093	.19381	34.580	34.606	13.145
17	Se	.00211	-.00013	.00331	2.1137	2.1471	.01551
18	Ag	.00111	.00069	.00114	.05036	.05073	.00102
19	Na	.10602	.10536	.10911	37.317	37.404	C.00000
20	Tl	.00832	.00690	.00158	2.0329	2.0721	.01156
21	V_	.00011	-.00023	.00028	.49180	.49727	.00543
22	Zn	.00184	.00344	.00106	.51330	.51304	.07611
23	Ti	.00062	.00035	.00036	.48460	.48971	.00230
24	B	.00463	.00313	.00200	1.0352	1.0489	.38959
25	Si	.00743	.00705	.00118	1.7587	1.7799	11.019
26	Sn	.00426	.00281	.00259	.46761	.47641	.00341
27	Mo	.00128	.00128	.00052	.98701	1.0023	.02003
28	Sr	.00027	.00023	.00016	.46447	.47013	4.3116
29	U	.0149	.0070	.0259	.0295	.0317	.0984

#	Element	050'0-13 (-200)	050'7-10 (-217)	050'7-11	050'8-14 (-218)	CCV	CCB
1	Al	.01363	.02838	.01667	.02561	51.974	.01879
2	Sb	-.00004	-.00303	-.00146	.00060	.47330	-.00207
3	As	.00291	.02998	.03093	.00180	.48516	.00214
4	Ba	.00751	.26267	1.1583	.00089	.47132	.00000
5	Be	.00001	.00007	-.00011	-.00017	.49763	-.00020
6	Cd	-.00082	-.00069	-.00093	-.00064	.48993	-.00043
7	Ca	271.53	458.36	189.04	.25776	52.430	.03015
8	Cr	.00095	.00125	-.00002	.00037	.48497	-.00036
9	Co	.00070	.00083	.00125	.00061	.48962	.00035
10	Cu	.00121	.00333	.00029	.00079	.49703	.00025
11	Fe	.01824	.72034	.36258	.04733	20.782	.01079
12	Pb	-.00019	.10610	.00290	-.00075	.48876	.00037
13	Mg	65.804	165.90	188.76	.15385	51.527	.00698
14	Mn	.00092	.83685	.00878	.00120	.48694	.00022
15	Ni	.00152	.00540	.00854	.00059	.48531	.00003
16	K_	2.8520	53.948	H106.31	.18567	20.000	-.40709
17	Se	.00085	.00327	.00482	.00028	.49649	.00142
18	Ag	.00083	.00109	.00083	.00098	.48833	.00070
19	Na	C.00000	C.00000	C.00000	2.4532	20.763	.15890
20	Tl	.01096	.00913	.01408	.00938	.51028	.00304
21	V_	.00228	.00091	.00075	.00028	.49352	-.00017
22	Zn	.00617	.02657	.00610	.00283	.49521	.00013
23	Ti	.00153	.00268	.00161	.00071	.48708	.00031
24	B	.39241	2.6848	2.1710	.01316	.99372	.00234
25	Si	9.8950	17.570	25.072	.03626	.25251	-.00050
26	Sn	.00407	.00824	.00420	.00379	.48694	.00251
27	Mo	.00138	.00171	.00537	.00137	.49663	.00026
28	Sr	2.4006	8.6503	8.2406	.00664	.48940	.00037
29	U	.0517	.0335	.0212	.0205	9.813	.0102

#	Element	CRI	ICSA	ICSAB	CCV	CCB
1	Al	.36307	473.24	480.80	49.258	.03760
2	Sb	.12976	-.00400	.56324	.48193	-.00255
3	As	.01282	.00143	.08945	.47858	.00057
4	Ba	.43171	.00170	.49036	.50118	.00006
5	Be	.01063	.00139	.45978	.48625	.00010
6	Cd	.00997	.00380	.87665	.47200	-.00028
7	Ca	8.7889	480.40	493.05	49.246	.04606
8	Cr	.02164	-.00047	.43658	.47636	.00036
9	Co	.10239	.00259	.44448	.47946	.00018
10	Cu	.05323	-.00093	.51165	.49036	.00077
11	Fe	.19292	200.99	204.72	20.305	.02820
12	Pb	.00611	Q.00607	.05199	.48321	.00026
13	Mg	8.9520	472.16	480.85	48.182	.02491
14	Mn	.03156	.00825	.45789	.48318	.00039
15	Ni	.08458	.00270	.88266	.48347	.00033
16	K_	8.5677	-.40946	-.38096	19.853	-.30610
17	Se	.01159	.00179	.04188	.49482	.00150
18	Ag	.02121	.00052	.21073	.50331	.00069
19	Na	8.3107	.12867	.13185	19.236	.11788
20	Tl	.01969	.00385	.09462	.48635	-.00144
21	V_	.10349	.00347	.46168	.47981	.00002
22	Zn	.04286	.01179	.85444	.46309	.00032
23	Ti	.02117	.00291	.94317	.48434	.00032
24	B	.20563	.00142	.99479	1.0069	.00198
25	Si	.09931	.00165	.89642	.25661	.00046
26	Sn	.10056	.00217	.93359	.48191	.00299
27	Mo	.02369	-.00034	.96076	.49815	.00137
28	Sr	.02166	.00804	.98879	.51396	.00040
29	U	.2059	.0216	10.10	9.697	.0151

Method: 30EL Standard Name: BLANK Operator:
Run Time: 06/30/05 09:43:14
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.2864857	.0494975	-.260987	.2864857	-.056997	.2399880	.0014999
SDev	.0275758	.1039395	.080606	.1039395	.021212	.0000000	.0021212
%RSD	9.625542	209.9893	30.88512	36.28087	37.21615	.0000000	141.4214
#1	.2669866	.1229939	-.317984	.3599820	-.071996	.2399880	.0000000
#2	.3059847	-.023999	-.203990	.2129893	-.041998	.2399880	.0029999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3494825	.1139943	.0809959	-.019499	.0494975	.7289636	.0254987
SDev	.0021212	.0084849	.0339394	.006364	.0106061	.0296970	.0318182
%RSD	.6069630	7.443228	41.90263	32.63569	21.42748	4.073867	124.7836
#1	.3479826	.1079946	.1049947	-.014999	.0419979	.7079646	.0029999
#2	.3509825	.1199940	.0569972	-.023999	.0569972	.7499625	.0479976
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	16.26519	.0644968	.0209989	6.250187	-.056997	.1154942	.0000000
SDev	.19515	.0403031	.0000000	.053030	.012727	.0233334	.0000000
%RSD	1.199810	62.48851	.0000000	.8484574	22.32969	20.20305	.0000000
#1	16.12719	.0359982	.0209989	6.212689	-.047998	.0989950	.0000000
#2	16.40318	.0929954	.0209989	6.287685	-.065997	.1319934	.0000000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Avge	.0209989	-.053997	.0000000	.0000000	-.179991	-.003000	-.013499
SDev	.0084849	.021212	.0000000	.0000000	.008485	.004242	.095455
%RSD	40.40610	39.28371	.0000000	.0000000	4.714045	141.4214	707.1069
#1	.0149993	-.068997	.0000000	.0000000	-.185991	.0000000	-.080996
#2	.0269986	-.038998	.0000000	.0000000	-.173991	-.006000	.0539973
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	B	Si	Sn	Mo	Sr	U
Avge	-.061497	.1709914	-.095995	.0059997	.0104995	-.544473
SDev	.065758	.0466667	.025455	.0000000	.0106061	.129394
%RSD	106.9283	27.29184	26.51651	.0000000	101.0153	23.76503
#1	-.107995	.1379931	-.113994	.0059997	.0029999	-.635968
#2	-.014999	.2039898	-.077996	.0059997	.0179991	-.452977
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: RLSTD Operator:
Run Time: 06/30/05 09:44:50
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.5774711	.1664917	-.146993	.4739763	.0494975	1.163942	.1949903
SDev	.0996971	.0827274	.008485	.0975759	.0063636	.004242	.0084849
%RSD	17.26442	49.68858	5.772299	20.58666	12.85649	.3644871	4.351426
#1	.6479676	.1079946	-.140993	.5429729	.0449978	1.160942	.1889906
#2	.5069746	.2249887	-.152992	.4049797	.0539973	1.166942	.2009900
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.5099745	5.674216	.2834858	.0464977	.2144893	.8669566	.3944803
SDev	.0000000	.010606	.0190909	.0148485	.0106061	.0212121	.0106061
%RSD	.0000000	.1869187	6.734347	31.93386	4.944805	2.446735	2.688617
#1	.5099745	5.681716	.2699865	.0359982	.2069896	.8819559	.4019799
#2	.5099745	5.666717	.2969851	.0569972	.2219889	.8519574	.3869806
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	19.30103	6.380681	.2819859	52.92935	.3164842	.1514924	.0224989
SDev	.03394	.004243	.0084849	.37333	.0063637	.0615152	.0021212
%RSD	.1758386	.0664924	3.008965	.7053428	2.010732	40.60613	9.428090
#1	19.32503	6.377681	.2759862	53.19334	.3119844	.1079946	.0239988
#2	19.27704	6.383681	.2879856	52.66537	.3209840	.1949903	.0209989
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl	Li	Ti	B	Si
Avge	.1319934	.0734963	-.125994	.0434978	3.337333	14.72926	1.619919
SDev	.0042424	.0487879	.029697	.0063636	.044546	.06364	.008485
%RSD	3.214129	66.38145	23.57023	14.62979	1.334764	.4320448	.5237815
#1	.1349933	.1079946	-.104995	.0389980	3.368831	14.68426	1.625919
#2	.1289935	.0389980	-.146993	.0479976	3.305835	14.77426	1.613919
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sn	Mo	Sr	U
Avge	1.249437	.1004950	3.862307	3.787311
SDev	.014849	.0021212	.006364	.031818

%RSD	1.188415	2.110771	.1647634	.8401258
#1	1.259937	.1019949	3.857807	3.764812
#2	1.238938	.0989950	3.866807	3.809809
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/100 Operator:
Run Time: 06/30/05 09:46:25
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	47.29713	55.43123	7.073646	22.56937	63.07935	105.9727
SDev	.07424	.29273	.042424	.13788	.19727	.0042
%RSD	.1569719	.5280905	.5997521	.6109114	.3127355	.0040064
#1	47.34963	55.63822	7.103645	22.66687	63.21884	105.9757
#2	47.24464	55.22424	7.043648	22.47188	62.93985	105.9697
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/10 Operator:
Run Time: 06/30/05 09:47:47
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	457.3616	516.5471	66.33568	94.30328	616.2862	1151.468
SDev	.1167	.2079	.08910	.11030	.2842	1.985
%RSD	.0255112	.0402468	.1343094	.1169652	.0461216	.1724283
#1	457.2791	516.6942	66.27268	94.22529	616.0852	1150.064
#2	457.4441	516.4002	66.39868	94.38128	616.4872	1152.872

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	
IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/2 Operator:
Run Time: 06/30/05 09:49:08
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	2059.932	2195.679	293.9868	427.4231	2932.386	5053.669
SDev	3.086	15.920	1.5252	1.0076	17.538	.676
%RSD	.1498273	.7250488	.5187826	.2357325	.5980856	.0133839
#1	2057.750	2184.422	292.9084	428.1356	2919.985	5053.190
#2	2062.115	2206.936	295.0652	426.7107	2944.788	5054.147
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXAHIGH Operator:
Run Time: 06/30/05 09:50:29
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	3737.159	3900.007	551.1129	796.4332	5695.721	8688.204
SDev	2.876	22.071	1.6821	.4836	24.235	9.567
%RSD	.0769635	.5659313	.3052183	.0607248	.4254945	.1101109
#1	3739.193	3915.614	552.3024	796.0912	5712.857	8694.969
#2	3735.125	3884.401	549.9235	796.7752	5678.584	8681.440
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: B 1/100 Operator:
Run Time: 06/30/05 09:51:56
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	8.356082	7.207140	1.463927	3.338833	2.746363	9.931004	16.06420
SDev	.078485	.197273	.084849	.072121	.023333	.031818	.01697
%RSD	.9392542	2.737187	5.795954	2.160072	.8496088	.3203889	.1056429
#1	8.411579	7.067647	1.523924	3.389830	2.762862	9.908504	16.07620
#2	8.300585	7.346633	1.403930	3.287836	2.729863	9.953502	16.05220
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	18.35158	3.602820	10.73046	7.021149	12.86036	7.891105	.5474726
SDev	.01909	.012727	.01273	.006364	.02545	.070000	.1251517
%RSD	.1040283	.3532557	.1186062	.0906333	.1979313	.8870770	22.85989
#1	18.33808	3.611819	10.73946	7.016649	12.84236	7.841608	.4589770
#2	18.36508	3.593820	10.72146	7.025649	12.87836	7.940603	.6359682
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	1.369431	2.195890	4.849258	.6509675
SDev	.002121	.004242	.065758	.0127273
%RSD	.1548940	.1931942	1.356040	1.955135
#1	1.367932	2.192890	4.895755	.6419679
#2	1.370931	2.198890	4.802760	.6599670
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: B 1/10 Operator:
Run Time: 06/30/05 09:53:20
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	81.40543	69.98050	17.26264	30.51897	28.41608	95.94120	153.7828
SDev	.23970	.24606	.13788	.27788	.09121	.62364	.4391
%RSD	.2944474	.3516075	.7987126	.9105130	.3209891	.6500215	.2855282
#1	81.57492	70.15449	17.16514	30.32248	28.35158	96.38218	153.4723
#2	81.23594	69.80651	17.36013	30.71546	28.48058	95.50022	154.0933
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	179.5800	36.12419	105.7177	62.98035	125.4027	78.90655	5.762711
SDev	.8273	.10182	.3691	.37121	.2291	.07000	.229091
%RSD	.4606756	.2818573	.3491282	.5894113	.1826834	.0887094	3.975404
#1	178.9950	36.05220	105.4567	63.24284	125.2407	78.85706	5.600720
#2	180.1650	36.19619	105.9787	62.71786	125.5647	78.95605	5.924704
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	13.53982	21.63042	46.88316	8.072596
SDev	.01485	.22273	.10394	.123030
%RSD	.1096654	1.029699	.2216976	1.524050
#1	13.52932	21.47293	46.80966	8.159592
#2	13.55032	21.78791	46.95665	7.985601
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXBHIGH Operator:
Run Time: 06/30/05 09:54:42
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	786.5367	681.8479	170.4425	297.1187	272.7463	885.3292	1377.807
SDev	1.0776	.8866	.2164	1.5718	.5218	.2355	1.515
%RSD	.1370029	.1300357	.1269424	.5290164	.1913156	.0265971	.1099283
#1	785.7747	682.4748	170.5955	296.0072	273.1153	885.1627	1378.878
#2	787.2986	681.2210	170.2895	298.2301	272.3774	885.4957	1376.736

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	1690.142	352.3429	1030.931	614.5343	1170.117	763.2638	57.26263
SDev	1.769	.3288	.844	1.6843	.834	.4115	.01485
%RSD	.1046745	.0933188	.0818933	.2740702	.0712448	.0539152	.0259317
#1	1691.393	352.5754	1031.528	613.3433	1170.706	763.5548	57.25214
#2	1688.891	352.1104	1030.334	615.7252	1169.527	762.9728	57.27314
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	132.0369	204.7218	451.6649	81.53442
SDev	.0615	.3649	1.2409	.13788
%RSD	.0465947	.1782176	.2747415	.1691068
#1	132.0804	204.9797	452.5424	81.63192
#2	131.9934	204.4638	450.7874	81.43693
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: C 1/100 Operator:
Run Time: 06/30/05 09:56:08
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	.3704815	32.52587	14.95725	14.36178	2.636868	.9104545	37.48463
SDev	.0106061	.11242	.06364	.04455	.029697	.0190909	.15060
%RSD	2.862779	.3456475	.4254548	.3101670	1.126223	2.096856	.4017750
#1	.3779811	32.44638	14.91225	14.33028	2.657867	.8969551	37.37813
#2	.3629819	32.60537	15.00225	14.39328	2.615869	.9239538	37.59112
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	23.92530
SDev	.59182
%RSD	2.473610
#1	23.50682
#2	24.34378

Factor 1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: C 1/10 Operator:
Run Time: 06/30/05 09:57:32
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	4.042298	318.4716	149.6910	140.8670	26.37168	9.040048	362.5843
SDev	.006364	.4900	.1421	.2206	.02121	.027575	1.0161
%RSD	.1574312	.1538594	.0949426	.1566045	.0804361	.3050371	.2802261
#1	4.046798	318.1251	149.5905	140.7110	26.35668	9.020549	361.8659
#2	4.037798	318.8181	149.7915	141.0230	26.38668	9.059546	363.3028
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	231.7399
SDev	1.4615
%RSD	.6306704
#1	230.7065
#2	232.7734

Factor 1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXCHIGH Operator:
Run Time: 06/30/05 09:58:54
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	37.76211	3096.360	1484.213	1328.804	257.1787	87.67812	3092.154
SDev	.29697	12.695	2.268	1.591	1.0330	.57061	5.708

%RSD	.7864234	.4100127	.1527773	.1197244	.4016730	.6507983	.1846059
#1	37.97210	3087.383	1482.610	1327.680	256.4482	87.27464	3088.117
#2	37.55212	3105.337	1485.817	1329.929	257.9091	88.08160	3096.190
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	2235.946
SDev	5.488
%RSD	.2454219
#1	2232.065
#2	2239.826
Factor	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL
Mode: Concentration
Standards Table: 6010I
Data File: 6010CAL

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
2203/1	220.351	06/30/05 10:00	Full Fit	1.000000
2203/2	220.352/2	06/30/05 10:00	Full Fit	1.000000
1960/1	196.021	06/30/05 10:00	Full Fit	1.000000
1960/2	196.022/2	06/30/05 10:00	Full Fit	1.000000
Ag	328.068	06/30/05 10:00	Full Fit	1.000000
Al	308.215	06/30/05 10:00	Full Fit	1.000000
Ba	493.409	06/30/05 10:00	Full Fit	1.000000
Be	313.042	06/30/05 10:00	Full Fit	1.000000
Ca	317.933	06/30/05 10:00	Full Fit	.999999
Cd	226.502/2	06/30/05 10:00	Full Fit	1.000000
Co	228.616	06/30/05 10:00	Full Fit	1.000000
Cr	267.716	06/30/05 10:00	Full Fit	1.000000
Cu	324.753	06/30/05 10:00	Full Fit	1.000000
Fe	271.441	06/30/05 10:00	Full Fit	.999999
K_	766.491	06/30/05 10:00	Full Fit	1.000000
Mg	279.078	06/30/05 10:00	Full Fit	1.000000
Mn	257.610	06/30/05 10:00	Full Fit	1.000000
Na	588.991	06/30/05 10:01	Full Fit	.999998
Ni	231.604/2	06/30/05 10:01	Full Fit	1.000000
Sb	206.838/2	06/30/05 10:01	Full Fit	.999998

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
V_	292.402	06/30/05 10:01	Full Fit	1.000000
Zn	206.200	06/30/05 10:01	Full Fit	1.000000
As	189.042/2	06/30/05 10:01	Full Fit	1.000000
Pb	220.353	01/06/95 08:57	User Fit	1.000000
Se	196.026	01/06/95 08:57	User Fit	1.000000
Tl	190.864/2	06/30/05 10:01	Full Fit	1.000000
Li	670.784	06/30/05 10:01	Full Fit	1.000000
Ti	334.941	06/30/05 10:01	Full Fit	1.000000
B	249.678/2	06/30/05 10:01	Full Fit	1.000000
Si	251.612	06/30/05 10:01	Full Fit	1.000000
Sn	189.989	06/30/05 10:01	Full Fit	1.000000
Mo	202.003/2	06/30/05 10:01	Full Fit	1.000000
Sr	421.525	06/30/05 10:01	Full Fit	1.000000
U	409.014	06/30/05 10:01	Full Fit	1.000000

Method: 30EL Sample Name: MIXCHIGH Operator: SW
Run Time: 06/30/05 10:01:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00156	.00203	-.02886	.00398	.00541	.27144	.00016
SDev	.00274	.00269	.00876	.00603	.00044	.00072	.00002
%RSD	175.90	132.25	30.367	151.33	8.2212	.26559	12.925
#1	-.00350	.00393	-.02266	-.00028	.00509	.27093	.00017
#2	.00038	.00013	-.03506	.00825	.00572	.27194	.00014
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00406	.09083	-.00178	.00356	.00760	.00759	-.16485
SDev	.00000	.00015	.00015	.00005	.00002	.00008	.00642
%RSD	.00109	.16262	8.5257	1.2925	.22885	1.0778	3.8948
#1	.00406	.09093	-.00167	.00360	.00761	.00753	-.16031
#2	.00406	.09072	-.00189	.00353	.00759	.00765	-.16939
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.17325	-.25075	.00708	.14999	.00657	-.02894	-.00159
SDev	.00482	.00287	.00002	.00005	.00045	.00219	.00020
%RSD	2.7810	1.1437	.22847	.03366	6.9200	7.5706	12.309
#1	.16985	-.24872	.00709	.14995	.00624	-.02739	-.00145
#2	.17666	-.25278	.00707	.15002	.00689	-.03048	-.00173
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.01144	.00075	.00084	-.00695	.01321	10.252	9.9397
SDev	.00006	.00024	.00088	.00110	.00063	.152	.0152
%RSD	.55769	32.291	105.16	15.852	4.7425	1.4848	.15322
#1	-.01148	.00092	.00146	-.00773	.01277	10.359	9.9289
#2	-.01139	.00058	.00021	-.00617	.01366	10.144	9.9505
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass
Value						10.000	10.000
Range						5.0000	5.0000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.9845	50.036	10.031	10.011	9.8639	49.32
SDev	.0223	.050	.018	.031	.0056	.02
%RSD	.22328	.10088	.18031	.31216	.05707	.0493
#1	9.9687	50.000	10.018	9.9890	9.8599	49.30
#2	10.000	50.072	10.044	10.033	9.8678	49.34
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	50.000	10.000	10.000	10.000	50.00
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.000

Method: 30EL Sample Name: MIXBHIGH Operator: SW
Run Time: 06/30/05 10:03:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	9.9878	9.9174	9.9506	9.9066	1.9838	-.02190	9.8126
SDev	.0010	.0224	.0555	.0335	.0077	.00086	.0363
%RSD	.00967	.22586	.55779	.33856	.38855	3.9089	.37010
#1	9.9871	9.9016	9.9113	9.8829	1.9783	-.02130	9.7869
#2	9.9885	9.9332	9.9898	9.9303	1.9892	-.02251	9.8383
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value					2.0000		10.000
Range					5.0000		5.0000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.001	.03694	9.8998	9.9797	9.9462	9.9306	.38062
SDev	.011	.00014	.0031	.0170	.0093	.0388	.00326
%RSD	.10645	.37881	.03138	.17067	.09311	.39104	.85705
#1	9.9936	.03704	9.9019	9.9677	9.9397	9.9031	.38293
#2	10.009	.03684	9.8976	9.9918	9.9527	9.9581	.37831
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	10.000		10.000	10.000	10.000	10.000	
Range	5.0000		5.0000	5.0000	5.0000	5.0000	

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05041	-.02182	9.9389	.10790	9.9089	1.9601	9.9323
SDev	.01862	.00127	.0113	.00053	.0006	.0314	.0217
%RSD	36.949	5.8425	.11348	.49559	.00645	1.6007	.21887
#1	.06358	-.02272	9.9309	.10828	9.9094	1.9379	9.9169
#2	.03724	-.02092	9.9469	.10752	9.9085	1.9823	9.9477
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value			10.000		10.000	2.0000	10.000
Range			5.0000		5.0000	5.0000	5.0000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	9.9830	9.9448	9.9408	9.9213	9.9314	.02072	.00862
SDev	.0169	.0298	.0153	.0409	.0162	.01679	.00439
%RSD	.16912	.30005	.15353	.41178	.16296	81.028	50.876
#1	9.9950	9.9237	9.9301	9.8924	9.9200	.03259	.01172
#2	9.9711	9.9659	9.9516	9.9501	9.9429	.00885	.00552
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	10.000	10.000	10.000	10.000	10.000		
Range	5.0000	5.0000	5.0000	5.0000	5.0000		

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03031	.04839	.00949	.05228	.00555	.0052
SDev	.00765	.02639	.00479	.01847	.00357	.0191
%RSD	25.250	54.543	50.439	35.330	64.281	365.9
#1	.03572	.06706	.01287	.06534	.00807	.0187
#2	.02490	.02973	.00610	.03922	.00303	-.0083
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

Method: 30EL Sample Name: MIXAHIGH Operator: SW
Run Time: 06/30/05 10:04:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.03742	.03198	.03324	.02443	.01369	495.00	.00758
SDev	.00563	.00191	.01854	.00961	.00539	.39	.00385
%RSD	15.046	5.9606	55.769	39.346	39.398	.07949	50.731
#1	-.03344	.03064	.04635	.01764	.01751	494.72	.01030
#2	-.04140	.03333	.02013	.03123	.00988	495.28	.00486
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value						500.00	
Range						5.0000	

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00719	495.07	.00531	.00943	.01034	.01097	199.28
SDev	.00421	1.79	.00388	.00322	.00404	.00503	.61
%RSD	58.552	.36160	73.018	34.137	39.075	45.888	.30548
#1	.01017	493.81	.00805	.01171	.01320	.01453	198.85
#2	.00421	496.34	.00257	.00716	.00749	.00741	199.71
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		500.00					200.00
Range		5.0000					5.0000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	100.04	498.18	.01368	99.770	.00920	.02906	.00949
SDev	.09	1.37	.00373	.321	.00369	.01065	.00422
%RSD	.09098	.27539	27.272	.32180	40.138	36.631	44.526
#1	100.10	497.21	.01631	99.997	.01181	.03659	.01248
#2	99.976	499.15	.01104	99.543	.00659	.02153	.00650
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	100.00	500.00		100.00			
Range	5.0000	5.0000		5.0000			

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02670	.01447	.00887	.02737	.00405	.00527	.00506
SDev	.00410	.00855	.00060	.00024	.00504	.00128	.00021
%RSD	15.354	59.109	6.7968	.87567	124.60	24.269	4.2509
#1	.02960	.02052	.00930	.02720	.00761	.00437	.00521
#2	.02380	.00842	.00845	.02754	.00048	.00618	.00491
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00816	.02262	.00775	.01214	.00728	.0546
SDev	.00058	.00054	.00108	.00140	.00001	.0036
%RSD	7.1050	2.3786	13.906	11.555	.15227	6.565
#1	.00857	.02224	.00699	.01314	.00728	.0571
#2	.00775	.02300	.00851	.01115	.00729	.0520
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

Method: 30EL Sample Name: ICV Operator: SW
Run Time: 06/30/05 10:15:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.24568	.24490	.25259	.24755	.24231	24.840	.23892
SDev	.00015	.00259	.00304	.00246	.00027	.127	.00048
%RSD	.06173	1.0575	1.2051	.99204	.11066	.51084	.20254
#1	.24579	.24307	.25044	.24582	.24212	24.750	.23857
#2	.24557	.24673	.25474	.24929	.24250	24.929	.23926
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.25000	25.250	.25000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.25139	25.157	.24874	.24774	.24523	.24748	10.115
SDev	.00015	.044	.00034	.00151	.00020	.00101	.001
%RSD	.06013	.17666	.13656	.60874	.08023	.40650	.00911
#1	.25128	25.126	.24898	.24880	.24509	.24677	10.116
#2	.25149	25.189	.24850	.24667	.24537	.24819	10.115
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	25.250	.25000	.25000	.25000	.25000	10.250
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.7572	25.150	.24398	10.011	.24800	.24571	.24711
SDev	.0454	.049	.00038	.055	.00014	.00154	.00033
%RSD	.46551	.19440	.15607	.54955	.05748	.62600	.13311
#1	9.7250	25.116	.24371	9.9716	.24810	.24680	.24688
#2	9.7893	25.185	.24425	10.049	.24790	.24463	.24735
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	25.250	.25000	10.250	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.25049	.23891	.24516	.24923	.25120	.32224	.24304
SDev	.00071	.00220	.00168	.00265	.00022	.02210	.00057
%RSD	.28225	.92005	.68401	1.0639	.08894	6.8569	.23587
#1	.25099	.23736	.24398	.24736	.25135	.30661	.24263
#2	.24999	.24047	.24635	.25111	.25104	.33786	.24344
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.25000	.25000	.25000	.25000	.25000		.25000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49751	.12382	.24902	.24758	.24750	4.834
SDev	.00009	.00019	.00017	.00097	.00060	.014
%RSD	.01707	.15550	.06700	.39142	.24317	.2807
#1	.49757	.12368	.24890	.24690	.24708	4.824
#2	.49745	.12396	.24914	.24827	.24793	4.843
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.12500	.25000	.25000	.25000	5.000
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: ICB Operator: SW
Run Time: 06/30/05 10:19:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00156	-.00070	.00610	-.00135	.00063	.03113	-.00003
SDev	.00023	.00031	.00762	.00039	.00018	.00018	.00001
%RSD	14.777	43.967	125.08	28.651	28.645	.58364	35.809
#1	.00172	-.00048	.01149	-.00108	.00076	.03126	-.00002
#2	.00140	-.00091	.00070	-.00162	.00050	.03101	-.00004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00006	.02626	-.00033	.00038	-.00023	.00152	.01400
SDev	.00001	.00123	.00016	.00027	.00010	.00023	.00453
%RSD	23.696	4.6986	48.156	71.438	43.108	15.119	32.340
#1	-.00005	.02713	-.00044	.00057	-.00031	.00168	.01720
#2	-.00007	.02539	-.00022	.00019	-.00016	.00136	.01079
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.06378	.00516	.00019	.09798	-.00003	.00010	.00006
SDev	.01379	.00007	.00003	.00040	.00051	.00164	.00016
%RSD	21.627	1.4188	16.496	.40851	1543.6	1620.1	284.45
#1	.05403	.00510	.00022	.09827	.00032	.00126	-.00006
#2	.07354	.00521	.00017	.09770	-.00039	-.00106	.00017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00024	.00235	.00006	.00113	.00218	-.00087	.00060
SDev	.00010	.00104	.00028	.00280	.00013	.00078	.00016
%RSD	41.277	44.436	509.74	247.57	5.9461	88.808	25.920
#1	.00017	.00308	.00025	.00311	.00209	-.00032	.00071
#2	.00032	.00161	-.00014	-.00085	.00227	-.00142	.00049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00220	.00113	.00221	.00154	.00020	.0125
SDev	.00039	.00033	.00059	.00060	.00003	.0027
%RSD	17.711	29.332	26.589	39.029	15.277	21.45
#1	.00247	.00136	.00262	.00196	.00022	.0106
#2	.00192	.00089	.00179	.00111	.00018	.0144
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: CRI Operator: SW
Run Time: 06/30/05 10:21:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00678	.00637	.01680	.00904	.02060	.38339	.40995
SDev	.00118	.00132	.00283	.00102	.00032	.00260	.00082
%RSD	17.379	20.674	16.826	11.254	1.5478	.67706	.20106
#1	.00761	.00544	.01880	.00832	.02037	.38155	.40937
#2	.00594	.00730	.01481	.00976	.02083	.38522	.41053
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01038	9.2294	.01031	.10555	.02131	.05397	.19011
SDev	.00003	.0298	.00015	.00133	.00010	.00018	.00264
%RSD	.26279	.32315	1.4051	1.2559	.44357	.34333	1.3871
#1	.01036	9.2083	.01020	.10461	.02124	.05410	.18824
#2	.01040	9.2505	.01041	.10649	.02138	.05384	.19197
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.7402	9.4651	.03146	8.8943	.08627	.13107	.10627
SDev	.0134	.0345	.00005	.0052	.00018	.00579	.00032
%RSD	.15351	.36430	.16136	.05830	.21359	4.4168	.30289
#1	8.7307	9.4407	.03142	8.8906	.08614	.12698	.10604
#2	8.7496	9.4895	.03149	8.8980	.08640	.13516	.10650
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04460	.01156	.00650	.01162	.02408	.02886	.02111
SDev	.00045	.00013	.00049	.00026	.00001	.00059	.00001
%RSD	1.0148	1.1194	7.4720	2.2630	.05797	2.0381	.03789
#1	.04428	.01165	.00616	.01181	.02407	.02928	.02111
#2	.04492	.01147	.00685	.01144	.02409	.02844	.02110
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20255	.09701	.10144	.02288	.02080	.2062
SDev	.00118	.00037	.00196	.00084	.00004	.0120
%RSD	.57988	.37871	1.9282	3.6628	.19430	5.817
#1	.20172	.09727	.10005	.02347	.02078	.1977
#2	.20338	.09675	.10282	.02229	.02083	.2147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: ICSA Operator: SW
Run Time: 06/30/05 10:23:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.04411	.02524	-.00410	-.00287	.00105	489.85	.00154
SDev	.00286	.00571	.00468	.00173	.00000	.37	.00013
%RSD	6.4759	22.624	114.12	60.361	.41311	.07466	8.5261
#1	-.04613	.02928	-.00742	-.00410	.00105	489.59	.00163
#2	-.04209	.02120	-.00079	-.00165	.00106	490.11	.00144
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00089	511.69	-.00067	.00357	-.00023	-.00160	205.74
SDev	.00000	2.67	.00035	.00003	.00017	.00041	.80
%RSD	.00419	.52174	52.195	.89041	75.367	25.462	.38810
#1	.00089	509.80	-.00091	.00359	-.00011	-.00188	205.17
#2	.00089	513.58	-.00042	.00355	-.00035	-.00131	206.30
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.09696	512.11	.00812	.11223	.00278	.00494	.00336
SDev	.01065	2.05	.00004	.00375	.00046	.00239	.00016
%RSD	10.988	.40017	.51401	3.3381	16.662	48.370	4.9227
#1	-.10450	510.67	.00809	.11488	.00311	.00325	.00347
#2	-.08943	513.56	.00815	.10958	.00245	.00663	.00324
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01364	.00359	.00215	-.00328	.00281	-.00106	.00286
SDev	.00025	.00114	.00286	.00272	.00306	.00103	.00021
%RSD	1.8393	31.718	133.20	82.743	109.16	97.915	7.5367
#1	.01346	.00439	.00417	-.00520	.00064	-.00032	.00271
#2	.01382	.00278	.00012	-.00136	.00497	-.00179	.00301
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000	.00000		.00000
Range	.04000	.02000	.00600	.01000	.02000		.04000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00132	.00009	.00357	.00010	.00770	.0351
SDev	.00025	.00130	.00213	.00096	.00001	.0037
%RSD	18.807	1486.6	59.459	956.74	.14852	10.60
#1	.00149	-.00083	.00508	.00078	.00769	.0377
#2	.00114	.00101	.00207	-.00058	.00771	.0325
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.00000	.00000	.00000	.00000	.00000	
Range	.20000	.10000	.10000	.02000	.02000	

Method: 30EL Sample Name: ICSAB Operator: SW
Run Time: 06/30/05 10:25:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00453	.06644	.04407	.04996	.20183	493.43	.45774
SDev	.00506	.00274	.01200	.00661	.00054	1.35	.00088
%RSD	111.56	4.1290	27.232	13.240	.26871	.27420	.19308
#1	.00096	.06838	.03558	.05463	.20145	492.47	.45712
#2	.00811	.06450	.05256	.04528	.20221	494.38	.45837
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.47038	520.82	.90036	.45144	.44307	.50553	209.04
SDev	.00084	.15	.00130	.00097	.00073	.00176	.49
%RSD	.17916	.02928	.14466	.21478	.16555	.34825	.23268
#1	.46978	520.71	.89944	.45076	.44255	.50428	208.69
#2	.47097	520.92	.90128	.45213	.44359	.50677	209.38
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.04502	521.62	.45703	.12403	.88105	.55319	.46865
SDev	.00307	1.01	.00106	.00013	.00034	.00340	.00059
%RSD	6.8135	.19408	.23298	.10134	.03862	.61448	.12566
#1	-.04285	520.91	.45628	.12395	.88081	.55559	.46823
#2	-.04719	522.34	.45779	.12412	.88129	.55078	.46906
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.90618	.09279	.04583	.04800	.09868	1.4423	.93409
SDev	.00162	.00396	.00015	.00042	.00126	.0860	.00260
%RSD	.17874	4.2671	.31891	.86515	1.2774	5.9610	.27874
#1	.90504	.09559	.04593	.04829	.09957	1.3816	.93224
#2	.90733	.08999	.04572	.04770	.09779	1.5031	.93593
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000		1.0000
Range	20.000	20.000	20.000	20.000	20.000		20.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97799	.86562	.94683	.95530	.93672	9.874
SDev	.00272	.00233	.00638	.00582	.00177	.015
%RSD	.27826	.26937	.67344	.60893	.18843	.1500
#1	.97606	.86397	.94232	.95119	.93547	9.864
#2	.97991	.86727	.95134	.95942	.93797	9.885
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	10.00
Range	20.000	20.000	20.000	20.000	20.000	20.00

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 06/30/05 10:27:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.47733	.49437	.48954	.49301	.48973	51.339	.47404
SDev	.00085	.00085	.00170	.00272	.00042	.329	.00163
%RSD	.17833	.17211	.34679	.55260	.08491	.64166	.34363
#1	.47672	.49377	.49074	.49108	.49002	51.572	.47520
#2	.47793	.49497	.48834	.49493	.48944	51.106	.47289
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49867	52.211	.49060	.48944	.48546	.49567	20.854
SDev	.00003	.104	.00130	.00078	.00042	.00222	.062
%RSD	.00557	.20010	.26480	.16015	.08620	.44857	.29557
#1	.49869	52.285	.48968	.48889	.48516	.49724	20.898
#2	.49865	52.137	.49152	.49000	.48575	.49410	20.811
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.122	51.594	.48484	20.911	.48556	.47577	.49150
SDev	.082	.111	.00010	.065	.00031	.00198	.00023
%RSD	.40917	.21542	.01982	.31268	.06359	.41697	.04700
#1	20.181	51.672	.48490	20.958	.48578	.47718	.49134
#2	20.064	51.515	.48477	20.865	.48535	.47437	.49167
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49626	.48302	.48869	.49185	.49301	.69798	.48346
SDev	.00071	.00120	.00085	.00125	.00374	.02767	.00129
%RSD	.14320	.24954	.17414	.25451	.75781	3.9647	.26671
#1	.49575	.48387	.48809	.49097	.49566	.71755	.48438
#2	.49676	.48217	.48930	.49274	.49037	.67841	.48255
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99642	.24892	.49923	.49990	.49112	9.637
SDev	.00078	.00030	.00066	.00266	.00172	.007
%RSD	.07824	.12028	.13279	.53178	.35126	.0716

#1	.99697	.24871	.49970	.50178	.49234	9.642
#2	.99587	.24913	.49876	.49802	.48990	9.632
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 06/30/05 10:32:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00105	-.00149	.00977	-.00065	.00068	.04763	-.00003
SDev	.00105	.00006	.00070	.00417	.00058	.00181	.00011
%RSD	100.74	3.8518	7.1184	637.68	85.211	3.7921	416.84
#1	.00030	-.00145	.00928	.00229	.00027	.04635	-.00011
#2	.00179	-.00153	.01026	-.00360	.00109	.04891	.00005
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00008	.04371	-.00040	.00032	-.00029	.00117	.02035
SDev	.00000	.00028	.00024	.00054	.00037	.00011	.00469
%RSD	.14087	.64686	60.749	170.84	127.84	8.9137	23.061
#1	-.00008	.04391	-.00057	-.00007	-.00055	.00110	.01704
#2	-.00008	.04351	-.00023	.00070	-.00003	.00125	.02367
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.09350	.02191	.00019	.10149	.00054	.00120	-.00017
SDev	.02713	.00294	.00005	.00013	.00067	.00406	.00049
%RSD	29.013	13.408	24.742	.12333	124.25	338.29	285.68
#1	.07432	.01983	.00016	.10140	.00007	-.00167	-.00051
#2	.11268	.02398	.00023	.10158	.00102	.00407	.00017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00099	.00055	-.00065	.00282	.00226	-.00179	.00041
SDev	.00015	.00002	.00031	.00255	.00121	.00103	.00026
%RSD	15.154	3.2412	48.496	90.483	53.605	57.856	63.607
#1	.00088	.00056	-.00087	.00462	.00312	-.00252	.00023
#2	.00110	.00054	-.00042	.00102	.00140	-.00106	.00060
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00187	.00055	.00174	.00179	.00020	.0132
SDev	.00036	.00108	.00040	.00023	.00004	.0216
%RSD	19.327	196.30	22.724	12.977	19.634	163.1
#1	.00161	-.00021	.00146	.00196	.00017	-.0020
#2	.00212	.00132	.00202	.00163	.00022	.0285
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 06/30/05 11:54:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48486	.48887	.50534	.49102	.48877	51.738	.47209
SDev	.00097	.00082	.00081	.00428	.00177	.266	.00246
%RSD	.19919	.16881	.16127	.87252	.36127	.51352	.52002
#1	.48554	.48829	.50592	.48800	.48752	51.551	.47036
#2	.48418	.48946	.50477	.49405	.49002	51.926	.47383
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49984	52.611	.48848	.49148	.48628	.49643	20.883
SDev	.00087	.016	.00071	.00078	.00064	.00235	.001
%RSD	.17423	.02960	.14452	.15919	.13183	.47364	.00428
#1	.49923	52.600	.48898	.49203	.48583	.49477	20.884
#2	.50046	52.622	.48798	.49093	.48673	.49810	20.882
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.043	51.635	.48875	21.033	.48421	.47601	.49339
SDev	.107	.069	.00114	.101	.00132	.00244	.00099
%RSD	.53167	.13429	.23237	.47855	.27318	.51174	.20072
#1	19.967	51.586	.48794	20.962	.48328	.47429	.49269
#2	20.118	51.684	.48955	21.104	.48515	.47773	.49409
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49589	.48281	.48754	.49579	.49823	.73111	.48700
SDev	.00060	.00354	.00023	.00259	.00043	.03557	.00118
%RSD	.12180	.73262	.04694	.52164	.08703	4.8657	.24126
#1	.49546	.48531	.48737	.49396	.49854	.70596	.48617
#2	.49632	.48031	.48770	.49762	.49792	.75627	.48783
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98810	.24872	.48971	.49601	.49174	9.721
SDev	.00702	.00143	.00241	.00340	.00233	.043
%RSD	.71079	.57368	.49160	.68458	.47370	.4427
#1	.98313	.24972	.48801	.49360	.49009	9.691
#2	.99306	.24771	.49141	.49841	.49339	9.752
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 06/30/05 11:58:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00020	-.00005	.01103	-.00038	.00051	.02265	-.00006
SDev	.00021	.00007	.00803	.00021	.00037	.00069	.00006
%RSD	104.41	144.97	72.811	54.671	73.264	3.0359	88.952
#1	.00035	.00000	.00535	-.00024	.00025	.02217	-.00011
#2	.00005	-.00010	.01671	-.00053	.00077	.02314	-.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00011	.03423	-.00055	-.00009	-.00016	-.00005	.01286
SDev	.00001	.00035	.00006	.00015	.00032	.00020	.00360
%RSD	6.2084	1.0175	11.086	170.89	204.39	422.31	27.984
#1	-.00011	.03398	-.00051	-.00020	-.00039	-.00019	.01031
#2	-.00012	.03447	-.00059	.00002	.00007	.00010	.01540
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.11683	.00969	.00019	.10070	.00006	.00104	-.00012
SDev	.00479	.00296	.00004	.00002	.00060	.00364	.00025
%RSD	4.1040	30.570	21.232	.01657	1079.0	348.47	208.84
#1	.11344	.00760	.00016	.10068	-.00037	-.00153	-.00029
#2	.12022	.01179	.00022	.10071	.00048	.00362	.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00106	-.00111	.00003	.00342	.00173	-.00160	.00027
SDev	.00025	.00050	.00012	.00253	.00001	.00026	.00012
%RSD	23.627	45.541	363.89	74.168	.78050	16.112	43.550
#1	.00089	-.00075	.00012	.00162	.00172	-.00179	.00018
#2	.00124	-.00146	-.00005	H.00521	.00174	-.00142	.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00136	-.00135	.00251	.00103	.00017	.0076
SDev	.00001	.00040	.00134	.00060	.00001	.0088
%RSD	.52150	29.290	53.117	58.904	4.8233	116.0
#1	.00135	-.00163	.00157	.00060	.00017	.0014
#2	.00136	-.00107	.00346	.00145	.00018	.0139
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: IP050629-1MB Operator: SW
Run Time: 06/30/05 12:00:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01057	.00464	.01299	-.00810	.00028	.05607	.00167
SDev	.00237	.00017	.00002	.00074	.00045	.00138	.00006
%RSD	22.417	3.6899	.12776	9.0779	158.22	2.4621	3.2756
#1	.01225	.00452	.01301	-.00862	-.00003	.05509	.00163
#2	.00890	.00476	.01298	-.00758	.00060	.05704	.00171
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00021	.67650	-.00022	-.00001	.00522	.03619	.81078
SDev	.00000	.00333	.00018	.00003	.00004	.00001	.00262
%RSD	.03407	.49284	80.890	539.33	.84795	.02357	.32331
#1	-.00021	.67414	-.00035	-.00003	.00518	.03620	.81263
#2	-.00021	.67886	-.00010	.00002	.00525	.03619	.80892
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05507	.06614	.00628	2.7364	.00239	-.00915	-.00006
SDev	.02095	.00193	.00007	.0079	.00014	.00167	.00032
%RSD	38.041	2.9101	1.1931	.28944	5.8751	18.239	567.35
#1	.04025	.06478	.00623	2.7308	.00249	-.01034	-.00028
#2	.06988	.06751	.00633	2.7420	.00229	-.00797	.00017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.14804	.01017	.00662	-.00108	-.01113	-.00179	.00266
SDev	.00136	.00146	.00068	.00049	.00175	.00103	.00003
%RSD	.91832	14.361	10.201	45.045	15.725	57.856	1.1132
#1	.14708	.00913	.00709	-.00142	-.01237	-.00252	.00268
#2	.14900	.01120	.00614	-.00073	-.00990	-.00106	.00264
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00592	.17774	.01869	.00222	.00173	.0063
SDev	.00038	.00031	.00048	.00060	.00000	.0102
%RSD	6.3349	.17527	2.5577	26.965	.16291	162.2
#1	.00565	.17752	.01903	.00264	.00173	-.0009
#2	.00618	.17796	.01836	.00179	.00173	.0135
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: IP050629-1LCS Operator: SW
Run Time: 06/30/05 12:02:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00936	.00544	.02157	.00004	.00048	.22949	.20820
SDev	.00005	.00194	.00392	.00280	.00042	.00034	.00078
%RSD	.51944	35.709	18.151	7464.8	89.148	.15009	.37566
#1	.00939	.00406	.01880	.00202	.00018	.22924	.20875
#2	.00932	.00681	.02434	-.00194	.00078	.22973	.20764
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00522	.62499	.00529	.05497	.01296	.04039	.56788
SDev	.00001	.00249	.00004	.00072	.00020	.00026	.00804
%RSD	.26099	.39818	.70691	1.3140	1.5383	.63123	1.4158
#1	.00521	.62323	.00532	.05446	.01282	.04021	.56220
#2	.00523	.62675	.00527	.05548	.01310	.04057	.57357
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.11084	.08717	.02084	3.0363	.04809	-.00559	.05588
SDev	.03336	.00263	.00001	.0043	.00068	.00357	.00024
%RSD	30.100	3.0199	.04043	.14148	1.4030	63.940	.43458
#1	.08725	.08530	.02083	3.0394	.04761	-.00812	.05571
#2	.13443	.08903	.02084	3.0333	.04857	-.00306	.05606
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.11540	.01370	.00674	.00721	-.00292	-.00017	.00196
SDev	.00050	.00229	.00128	.00056	.00085	.00177	.00020
%RSD	.43573	16.706	18.957	7.8433	29.292	1056.2	10.195
#1	.11504	.01532	.00584	.00761	-.00231	-.00142	.00181
#2	.11576	.01208	.00765	.00681	-.00352	.00109	.00210
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00653	.15677	.01209	.00128	.00214	.0143
SDev	.00051	.00105	.00152	.00024	.00003	.0096
%RSD	7.7955	.66822	12.537	18.468	1.3205	67.22
#1	.00617	.15603	.01102	.00145	.00212	.0075
#2	.00689	.15751	.01316	.00112	.00216	.0210
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: IP050629-1LCSD Operator: SW
Run Time: 06/30/05 12:04:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00742	.00184	.02194	-.00110	.00067	.26756	.20823
SDev	.00297	.00121	.00023	.00529	.00054	.00010	.00145
%RSD	39.995	65.844	1.0664	479.28	79.674	.03754	.69595
#1	.00532	.00270	.02211	.00264	.00105	.26749	.20720
#2	.00952	.00098	.02178	-.00485	.00029	.26763	.20925
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00516	.80622	.00518	.05482	.00712	.06390	.24955
SDev	.00001	.00160	.00014	.00027	.00047	.00054	.00362
%RSD	.26500	.19853	2.6965	.49383	6.5973	.85060	1.4502
#1	.00515	.80509	.00528	.05502	.00745	.06351	.24699
#2	.00517	.80735	.00508	.05463	.00678	.06428	.25210
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.06922	.12040	.01996	2.8135	.04633	-.00580	.05549
SDev	.02149	.00226	.00002	.0252	.00015	.00217	.00001
%RSD	31.043	1.8769	.08438	.89575	.33401	37.341	.00888
#1	.08442	.12200	.01997	2.7957	.04644	-.00427	.05549
#2	.05403	.11880	.01995	2.8314	.04622	-.00733	.05549
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.07185	.01327	.00370	.00657	-.00068	-.00011	.00245
SDev	.00030	.00149	.00018	.00361	.00037	.00237	.00001
%RSD	.42006	11.253	4.8445	54.910	53.682	2195.8	.29525
#1	.07206	.01433	.00357	.00912	-.00094	.00157	.00244
#2	.07164	.01222	.00383	.00402	-.00042	-.00179	.00245
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00745	.19839	.01308	.00231	.00397	.0197
SDev	.00049	.00149	.00059	.00001	.00002	.0211
%RSD	6.5527	.74950	4.5422	.32936	.57205	107.1
#1	.00779	.19734	.01266	.00231	.00395	.0346
#2	.00710	.19944	.01350	.00230	.00399	.0048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506248-1 Operator: SW
Run Time: 06/30/05 12:06:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04342	.04149	.02143	-.00913	.00117	10.775	.19675
SDev	.00026	.00088	.00431	.00107	.00017	.015	.00018
%RSD	.60282	2.1287	20.129	11.756	14.907	.13983	.09346
#1	.04361	.04087	.01838	-.00837	.00105	10.764	.19662
#2	.04324	.04212	.02448	-.00989	.00129	10.786	.19688
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00091	33.174	.00054	.01144	.06118	.18572	26.170
SDev	.00001	.108	.00011	.00012	.00013	.00033	.057
%RSD	1.5067	.32512	20.513	1.0316	.20856	.17534	.21971
#1	.00090	33.098	.00062	.01135	.06109	.18549	26.130
#2	.00092	33.251	.00046	.01152	.06127	.18595	26.211
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.4089	5.7945	.58849	5.3821	.03461	-.00278	.05500
SDev	.0078	.0174	.00153	.0058	.00013	.00127	.00008
%RSD	.22875	.30103	.26054	.10856	.36459	45.757	.14709
#1	3.4034	5.7822	.58741	5.3780	.03469	-.00368	.05494
#2	3.4144	5.8068	.58958	5.3862	.03452	-.00188	.05505
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.32131	.02059	.04214	.00105	-.01105	.01558	.42068
SDev	.00237	.00105	.00050	.00072	.00147	.00030	.00110
%RSD	.73722	5.0794	1.1913	68.873	13.279	1.9461	.26067
#1	.31963	.01985	.04178	.00054	-.01002	.01536	.41991
#2	.32298	.02133	.04249	.00156	-.01209	.01579	.42146
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03525	3.4865	.05477	.00657	.09521	.0393
SDev	.00041	.0016	.00012	.00048	.00013	.0091
%RSD	1.1638	.04611	.21891	7.2779	.13578	23.02
#1	.03496	3.4853	.05485	.00691	.09512	.0329
#2	.03554	3.4876	.05468	.00623	.09531	.0457
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506248-2 Operator: SW
Run Time: 06/30/05 12:08:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.02668	.02191	.01756	-.00589	.00047	2.7424	.08996
SDev	.00014	.00159	.00606	.00067	.00008	.0051	.00032
%RSD	.51588	7.2765	34.512	11.299	17.316	.18493	.35445
#1	.02659	.02303	.01328	-.00636	.00052	2.7460	.09019
#2	.02678	.02078	.02185	-.00542	.00041	2.7388	.08973
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00011	8.8471	.00017	.00353	.01569	.04008	7.0572
SDev	.00001	.0017	.00007	.00009	.00012	.00018	.0039
%RSD	6.3621	.01880	41.644	2.5559	.79178	.43873	.05502
#1	.00010	8.8482	.00022	.00359	.01560	.03995	7.0600
#2	.00011	8.8459	.00012	.00346	.01577	.04020	7.0545
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.3857	1.5905	.17017	4.0408	.01595	-.00484	.01605
SDev	.0110	.0006	.00028	.0011	.00022	.00140	.00008
%RSD	.79113	.03611	.16709	.02652	1.4088	28.984	.49697
#1	1.3779	1.5909	.17037	4.0401	.01611	-.00583	.01611
#2	1.3934	1.5901	.16997	4.0416	.01579	-.00385	.01600
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.16553	.01434	.02350	.00192	-.01288	.00322	.14112
SDev	.00005	.00238	.00102	.00246	.00124	.00098	.00003
%RSD	.03039	16.584	4.3296	128.11	9.6547	30.609	.01900
#1	.16557	.01602	.02422	.00018	-.01200	.00252	.14114
#2	.16550	.01265	.02278	.00366	-.01375	.00391	.14110
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02941	1.3742	.04490	.00316	.03236	.0151
SDev	.00007	.0001	.00061	.00024	.00007	.0006
%RSD	.24051	.00485	1.3487	7.6165	.23310	4.323

#1	.02946	1.3742	.04533	.00299	.03242	.0156
#2	.02936	1.3742	.04447	.00333	.03231	.0147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506248-3 Operator: SW
Run Time: 06/30/05 12:10:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.15323	.17338	.01553	-.00100	.00195	100.70	1.5655
SDev	.00180	.00219	.00209	.00188	.00029	.07	.0042
%RSD	1.1772	1.2623	13.476	189.23	14.943	.06893	.27074
#1	.15196	.17493	.01701	.00034	.00216	100.65	1.5625
#2	.15451	.17184	.01405	-.00233	.00175	100.75	1.5685
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01156	83.586	-.00300	.09838	.18725	.36301	H229.20
SDev	.00001	.045	.00001	.00055	.00024	.00077	.19
%RSD	.11565	.05399	.49670	.55631	.12808	.21346	.08470
#1	.01155	83.554	-.00299	.09876	.18708	.36246	H229.06
#2	.01157	83.617	-.00301	.09799	.18742	.36356	H229.33
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.153	27.312	4.0744	7.7023	.19387	.01058	.41533
SDev	.027	.002	.0052	.0144	.00041	.00162	.00137
%RSD	.13899	.00862	.12794	.18707	.21057	15.345	.32973
#1	19.134	27.314	4.0707	7.6921	.19416	.01172	.41436
#2	19.172	27.310	4.0781	7.7125	.19358	.00943	.41629
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.70417	.08985	.16667	.00451	-.01081	.15025	1.2159
SDev	.00055	.00068	.00086	.00195	.00220	.00326	.0033
%RSD	.07813	.75081	.51550	43.339	20.385	2.1707	.26801

#1	.70378	.08937	.16728	.00589	-.01237	.15256	1.2136
#2	.70456	.09032	.16607	.00313	-.00925	.14794	1.2182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05084	17.180	.05039	.01473	.33801	.0267
SDev	.00069	.078	.00129	.00024	.00075	.0034
%RSD	1.3496	.45526	2.5634	1.6420	.22163	12.92
#1	.05133	17.125	.04947	.01490	.33748	.0291
#2	.05036	17.235	.05130	.01456	.33854	.0242
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506248-4 Operator: SW
Run Time: 06/30/05 12:12:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.06638	.06181	.01663	-.00445	.00091	14.690	.42443
SDev	.00106	.00045	.00529	.00087	.00006	.005	.00050
%RSD	1.5988	.72610	31.792	19.536	6.6850	.03577	.11767
#1	.06713	.06213	.02037	-.00383	.00095	14.693	.42408
#2	.06563	.06150	.01289	-.00506	.00087	14.686	.42479
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00126	65.575	.00347	.01377	.05849	.31914	32.792
SDev	.00001	.270	.00001	.00045	.00014	.00038	.030
%RSD	.53877	.41240	.29626	3.2648	.23093	.12058	.09278
#1	.00125	65.383	.00348	.01345	.05859	.31887	32.771
#2	.00126	65.766	.00346	.01409	.05839	.31942	32.814
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.7632	6.5384	.65604	6.9369	.04665	.01683	.07134
SDev	.0067	.0167	.00026	.0099	.00053	.00325	.00032
%RSD	.14039	.25582	.03880	.14326	1.1422	19.308	.45180

#1	4.7585	6.5266	.65586	6.9299	.04702	.01913	.07111
#2	4.7679	6.5502	.65622	6.9439	.04627	.01453	.07157
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.4068	.02062	.06333	.00257	-.01148	.02153	.55755
SDev	.0078	.00024	.00065	.00234	.00437	.00209	.00145
%RSD	.55189	1.1567	1.0307	91.049	38.044	9.7017	.25958
#1	1.4013	.02045	.06380	.00423	-.01457	.02005	.55653
#2	1.4123	.02079	.06287	.00092	-.00839	.02301	.55857
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09563	4.8023	.04438	.01014	.28245	.0245
SDev	.00047	.0051	.00044	.00000	.00043	.0014
%RSD	.48822	.10616	1.0007	.00492	.15225	5.655
#1	.09530	4.7987	.04470	.01014	.28215	.0235
#2	.09596	4.8059	.04407	.01014	.28276	.0255
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506248-5 Operator: SW
Run Time: 06/30/05 12:14:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05618	.05392	.02143	-.00655	.00083	23.088	.40195
SDev	.00015	.00057	.00076	.00025	.00009	.064	.00027
%RSD	.25773	1.0663	3.5573	3.7812	10.706	.27833	.06640
#1	.05628	.05352	.02197	-.00637	.00089	23.134	.40177
#2	.05607	.05433	.02089	-.00672	.00076	23.043	.40214
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00247	28.003	.00009	.02299	.04805	.08120	47.335
SDev	.00001	.057	.00007	.00049	.00003	.00032	.143
%RSD	.55429	.20363	80.765	2.1080	.06421	.38850	.30217

#1	.00246	27.962	.00004	.02333	.04807	.08142	47.234
#2	.00248	28.043	.00014	.02265	.04803	.08098	47.436
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	6.0599	8.3852	.99682	5.9660	.06479	-.00232	.10896
SDev	.0001	.0132	.00279	.0199	.00022	.00120	.00008
%RSD	.00217	.15697	.27950	.33275	.34575	51.739	.07274
#1	6.0600	8.3759	.99485	5.9800	.06463	-.00147	.10902
#2	6.0598	8.3945	.99879	5.9520	.06494	-.00317	.10891
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.40719	.02764	.05467	.00277	-.01313	.03176	.52906
SDev	.00161	.00033	.00034	.00042	.00089	.00000	.00173
%RSD	.39593	1.1896	.61330	15.122	6.8012	.00000	.32649
#1	.40605	.02741	.05444	.00307	-.01376	.03176	.52784
#2	.40833	.02787	.05491	.00247	-.01250	.03176	.53028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03257	7.7130	.04071	.00750	.12361	.0229
SDev	.00032	.0243	.00105	.00036	.00011	.0001
%RSD	.99898	.31488	2.5742	4.8135	.08586	.5263
#1	.03234	7.6958	.03997	.00724	.12354	.0230
#2	.03280	7.7301	.04145	.00775	.12369	.0228
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506248-6 Operator: SW
Run Time: 06/30/05 12:16:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.10303	.09870	.02033	-.00438	.00063	19.142	.40505
SDev	.00053	.00113	.00180	.00171	.00025	.071	.00100
%RSD	.51201	1.1469	8.8818	38.908	39.849	.37023	.24645

#1	.10266	.09950	.02160	-.00559	.00080	19.092	.40434
#2	.10341	.09790	.01905	-.00318	.00045	19.192	.40575
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00173	45.990	.00138	.01771	.05025	.14348	44.993
SDev	.00001	.069	.00006	.00015	.00025	.00072	.097
%RSD	.79303	.14994	4.4706	.85934	.50230	.50546	.21565
#1	.00172	45.941	.00143	.01782	.05042	.14297	44.925
#2	.00174	46.039	.00134	.01760	.05007	.14399	45.062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	6.2026	8.4144	.88911	6.5476	.05013	-.00057	.09490
SDev	.0234	.0130	.00170	.0320	.00011	.00222	.00016
%RSD	.37745	.15442	.19156	.48827	.22443	392.40	.17019
#1	6.1861	8.4052	.88790	6.5250	.05021	.00100	.09501
#2	6.2192	8.4236	.89031	6.5702	.05005	-.00214	.09479
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.51554	.02307	.10014	.00385	-.01242	.03114	.63644
SDev	.00045	.00166	.00058	.00054	.00323	.00205	.00129
%RSD	.08772	7.1995	.57853	13.942	26.044	6.5861	.20314
#1	.51522	.02424	.10055	.00347	-.01471	.02969	.63552
#2	.51586	.02189	.09973	.00422	-.01013	.03259	.63735
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03676	6.5036	.04378	.00835	.17119	.0109
SDev	.00023	.0260	.00012	.00036	.00036	.0076
%RSD	.63505	.39926	.27223	4.2929	.21108	69.83
#1	.03692	6.4853	.04370	.00809	.17094	.0163
#2	.03659	6.5220	.04387	.00860	.17145	.0055
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00

Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: IP050629-5MB Operator: SW
Run Time: 06/30/05 12:20:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00025	.00067	.00655	.00128	.00073	.01546	-.00000
SDev	.00031	.00012	.00698	.00025	.00046	.00088	.00005
%RSD	124.08	17.632	106.45	19.250	63.298	5.6754	3463.1
#1	.00046	.00075	.00162	.00111	.00040	.01484	-.00004
#2	.00003	.00058	.01149	.00145	.00105	.01608	.00004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00016	.03551	-.00032	.00017	.00050	.00022	.02042
SDev	.00001	.00007	.00015	.00021	.00025	.00016	.00370
%RSD	8.3604	.19658	47.699	127.04	49.627	74.722	18.133
#1	-.00015	.03556	-.00042	.00002	.00033	.00010	.01780
#2	-.00017	.03546	-.00021	.00031	.00068	.00034	.02304
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08774	.00300	.00046	.09708	.00023	-.00163	-.00001
SDev	.01017	.00210	.00003	.00014	.00049	.00020	.00024
%RSD	11.596	69.852	7.0861	.14600	209.22	12.141	4326.6
#1	.08054	.00152	.00043	.09718	-.00011	-.00177	-.00018
#2	.09493	.00448	.00048	.09698	.00058	-.00149	.00017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00650	.00248	.00053	.00304	-.00062	-.00087	.00060
SDev	.00040	.00123	.00018	.00249	.00309	.00078	.00013
%RSD	6.1825	49.647	34.180	81.937	493.79	88.808	20.852
#1	.00622	.00161	.00065	.00128	.00156	-.00142	.00051
#2	.00678	.00336	.00040	.00479	-.00281	-.00032	.00069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00044	.00730	.00737	.00026	.00015	.0115
SDev	.00056	.00006	.00047	.00024	.00002	.0118
%RSD	128.15	.87960	6.4264	90.087	15.066	103.0
#1	.00004	.00734	.00770	.00043	.00013	.0031
#2	.00083	.00725	.00703	.00010	.00016	.0198
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 06/30/05 12:22:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48600	.48555	.50466	.49391	.48739	51.488	.46655
SDev	.00105	.00511	.00269	.00474	.00126	.209	.00131
%RSD	.21693	1.0520	.53355	.95985	.25843	.40629	.28175
#1	.48675	.48194	.50276	.49056	.48650	51.340	.46562
#2	.48525	.48916	.50657	.49727	.48828	51.636	.46748
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49905	52.527	.48677	.49244	.48656	.49378	20.812
SDev	.00037	.084	.00081	.00003	.00035	.00169	.004
%RSD	.07343	.15955	.16746	.00578	.07112	.34234	.01730
#1	.49931	52.586	.48734	.49246	.48681	.49258	20.814
#2	.49880	52.468	.48619	.49242	.48632	.49497	20.809
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.991	51.582	.48791	21.018	.48354	.46946	.49320
SDev	.080	.020	.00012	.084	.00056	.00169	.00010
%RSD	.39996	.03966	.02506	.39976	.11651	.36079	.01918
#1	19.934	51.596	.48799	20.959	.48394	.46826	.49314
#2	20.047	51.568	.48782	21.078	.48314	.47066	.49327
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49682	.48193	.48570	.49749	.50343	.70668	.48502
SDev	.00121	.00040	.00306	.00406	.00246	.01588	.00040
%RSD	.24439	.08197	.62916	.81585	.48924	2.2473	.08176
#1	.49768	.48221	.48354	.49462	.50517	.69545	.48474
#2	.49597	.48165	.48786	.50036	.50169	.71791	.48530
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98145	.25026	.49150	.49708	.48622	9.634
SDev	.00357	.00069	.00123	.00158	.00129	.036
%RSD	.36321	.27580	.25105	.31830	.26526	.3704
#1	.97893	.25074	.49238	.49597	.48531	9.608
#2	.98397	.24977	.49063	.49820	.48713	9.659
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 06/30/05 12:24:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00102	.00003	.00456	-.00244	.00085	.02913	.00008
SDev	.00215	.00266	.00622	.00263	.00053	.00438	.00009
%RSD	210.24	8596.8	136.39	107.84	62.359	15.024	103.00
#1	-.00050	.00192	.00016	-.00058	.00122	.03223	.00014
#2	.00254	-.00185	.00897	-.00430	.00048	.02604	.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00002	.04131	-.00034	.00057	.00022	.00024	.02102
SDev	.00005	.00239	.00019	.00006	.00052	.00001	.00356
%RSD	198.36	5.7971	57.218	10.559	236.09	5.0632	16.953
#1	.00001	.04301	-.00020	.00062	.00058	.00023	.02355
#2	-.00006	.03962	-.00047	.00053	-.00015	.00025	.01850
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.16194	.01766	.00038	.10394	.00016	.00032	.00034
SDev	.02699	.00427	.00009	.00133	.00021	.00235	.00041
%RSD	16.669	24.204	23.229	1.2772	134.95	740.69	117.95
#1	.18103	.02068	.00045	.10488	.00030	.00198	.00063
#2	.14285	.01464	.00032	.10300	.00001	-.00134	.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00120	.00265	.00036	-.00011	.00430	-.00035	.00057
SDev	.00035	.00285	.00106	.00032	.00015	.00203	.00006
%RSD	29.210	107.84	294.64	299.27	3.3782	579.36	10.796
#1	.00145	.00063	.00111	-.00033	.00440	.00109	.00061
#2	.00096	.00466	-.00039	.00012	.00420	-.00179	.00053
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00208	.00145	.00293	.00214	.00027	.0212
SDev	.00098	.00041	.00098	.00025	.00002	.0144
%RSD	46.893	28.213	33.597	11.501	8.2901	68.16
#1	.00277	.00116	.00363	.00231	.00028	.0314
#2	.00139	.00174	.00223	.00196	.00025	.0110
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: IP050629-5LCS Operator: SW
Run Time: 06/30/05 12:27:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49196	.47966	1.9390	1.9144	L.00014	1.7494	1.8686
SDev	.00178	.00602	.0042	.0273	.00008	.0091	.0088
%RSD	.36156	1.2555	.21572	1.4259	58.836	.52150	.47289
#1	.49322	.47541	1.9360	1.8951	L.00008	1.7430	1.8624
#2	.49070	.48392	1.9419	1.9338	L.00020	1.7559	1.8748
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Low	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05065	38.491	.04886	.48889	.19392	.24629	.85895
SDev	.00026	.221	.00041	.00194	.00146	.00052	.00010
%RSD	.51216	.57504	.83001	.39707	.75387	.21190	.01130
#1	.05047	38.334	.04857	.48752	.19289	.24592	.85888
#2	.05084	38.647	.04914	.49026	.19495	.24666	.85902
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	33.318	37.651	.48806	35.482	.48085	.46074	.49583
SDev	.098	.194	.00249	.100	.00247	.00767	.00285
%RSD	.29478	.51491	.51014	.28296	.51304	1.6653	.57477
#1	33.248	37.514	.48630	35.411	.47911	.45532	.49381
#2	33.387	37.788	.48982	35.553	.48260	.46617	.49784
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49692	1.9441	.48376	1.9226	2.0013	.66626	.48867
SDev	.00358	.0146	.00343	.0196	.0110	.01154	.00227
%RSD	.72130	.75219	.70790	1.0195	.54727	1.7328	.46405
#1	.49439	1.9337	.48134	1.9088	1.9936	.67442	.48706
#2	.49946	1.9544	.48618	1.9365	2.0091	.65810	.49027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96809	L1.5189	.47580	.99652	.46880	.0201
SDev	.00519	.0040	.00078	.00690	.00222	.0051
%RSD	.53658	.26124	.16506	.69294	.47313	25.60
#1	.96442	L1.5161	.47636	.99163	.46724	.0164
#2	.97176	L1.5217	.47524	1.0014	.47037	.0237
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: 0506197-1 Operator: SW
Run Time: 06/30/05 12:30:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05366	.05357	.00756	-.00043	.00261	7.8218	3.3917
SDev	.00255	.00216	.00320	.00262	.00024	.0031	.0013
%RSD	4.7441	4.0305	42.360	606.91	9.1463	.03944	.03849
#1	.05546	.05204	.00983	-.00229	.00244	7.8240	3.3908
#2	.05186	.05509	.00530	.00142	.00278	7.8196	3.3926
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00082	471.43	-.00001	.03319	.03965	.09986	16.571
SDev	.00000	4.03	.00013	.00027	.00017	.00022	.077
%RSD	.01999	.85513	1733.3	.81294	.42263	.21972	.46295
#1	.00082	468.58	-.00010	.03300	.03953	.10002	16.517
#2	.00082	474.28	.00008	.03338	.03977	.09970	16.625
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.8645	101.43	8.9485	43.414	.08509	-.00036	.14577
SDev	.0136	.51	.0501	.028	.00034	.00118	.00073
%RSD	.23180	.50454	.56032	.06453	.39644	328.97	.49895
#1	5.8549	101.07	8.9131	43.394	.08485	-.00120	.14525
#2	5.8741	101.79	8.9840	43.434	.08533	.00048	.14628
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.13922	.01611	.05360	.00223	.00039	.04733	.57275
SDev	.00136	.00041	.00059	.00068	.00275	.00057	.00103
%RSD	.97469	2.5483	1.1051	30.593	697.65	1.2130	.17919
#1	.13826	.01640	.05318	.00175	.00234	.04774	.57202
#2	.14018	.01582	.05402	.00271	-.00155	.04693	.57347
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.79630	12.159	.03133	.01117	H22.986	.0630
SDev	.00138	.002	.00077	.00000	.099	.0108
%RSD	.17348	.01607	2.4445	.03485	.43157	17.16
#1	.79532	12.160	.03079	.01117	H22.916	.0554
#2	.79728	12.158	.03188	.01117	H23.056	.0706
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506197-1D Operator: SW
Run Time: 06/30/05 12:32:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04402	.04507	.00082	.00021	.00275	6.1599	3.5721
SDev	.00082	.00130	.00084	.00056	.00026	.0045	.0006
%RSD	1.8561	2.8767	101.93	259.16	9.3205	.07249	.01798
#1	.04344	.04415	.00023	-.00018	.00257	6.1567	3.5726
#2	.04460	.04599	.00141	.00061	.00294	6.1630	3.5717
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00082	498.36	.00006	.03208	.03732	.06745	12.749
SDev	.00000	1.54	.00002	.00015	.00070	.00004	.028
%RSD	.00891	.30944	35.258	.46609	1.8639	.06182	.21839
#1	.00082	497.27	.00004	.03197	.03682	.06748	12.729
#2	.00082	499.45	.00007	.03218	.03781	.06742	12.769
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.5248	103.05	9.4441	43.690	.06659	.00018	.13888
SDev	.0134	.34	.0237	.070	.00058	.00029	.00032
%RSD	.24218	.32768	.25098	.15935	.86464	161.31	.23390
#1	5.5153	102.81	9.4273	43.641	.06619	.00038	.13865
#2	5.5342	103.29	9.4608	43.740	.06700	-.00003	.13911
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.10150	.01809	.04472	.00042	-.00192	.04020	.49254
SDev	.00060	.00097	.00114	.00065	.00299	.00029	.00069
%RSD	.59343	5.3736	2.5421	155.98	155.58	.71979	.14116
#1	.10107	.01877	.04392	-.00004	.00019	.04040	.49205
#2	.10192	.01740	.04552	.00088	-.00403	.04000	.49303
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.84214	9.2968	.03426	.01101	H24.328	.0724
SDev	.00112	.0028	.00036	.00024	.031	.0080
%RSD	.13292	.03055	1.0614	2.2129	.12746	10.98
#1	.84293	9.2988	.03401	.01083	H24.306	.0668
#2	.84135	9.2948	.03452	.01118	H24.350	.0781
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506197-1L 5X Operator: SW
Run Time: 06/30/05 12:34:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01013	.01070	.00259	-.00132	.00075	1.5916	.70951
SDev	.00036	.00028	.00461	.00491	.00028	.0023	.00041
%RSD	3.5912	2.6211	177.91	371.93	36.652	.14518	.05779
#1	.01038	.01050	.00586	-.00479	.00056	1.5932	.70922
#2	.00987	.01089	-.00067	.00215	.00095	1.5899	.70980
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00008	91.633	-.00042	.00753	.00813	.02034	3.3131
SDev	.00001	.214	.00015	.00003	.00004	.00007	.0012
%RSD	8.0476	.23384	34.637	.40072	.54647	.36288	.03651
#1	.00009	91.784	-.00032	.00751	.00816	.02039	3.3140
#2	.00008	91.481	-.00052	.00755	.00809	.02029	3.3123
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.1541	20.564	1.9048	8.5174	.01840	-.00144	.03136
SDev	.0099	.030	.0026	.0001	.00010	.00047	.00000
%RSD	.86056	.14360	.13586	.00146	.53360	32.442	.00874
#1	1.1611	20.584	1.9066	8.5173	.01847	-.00111	.03136
#2	1.1470	20.543	1.9029	8.5175	.01833	-.00177	.03136
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.03051	.00506	.01051	-.00002	.00160	.00707	.12138
SDev	.00015	.00182	.00007	.00174	.00036	.00000	.00040
%RSD	.49145	35.995	.62689	10484.	22.762	.00000	.33110
#1	.03041	.00377	.01046	-.00125	.00185	.00707	.12109
#2	.03062	.00635	.01055	.00121	.00134	.00707	.12166
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16567	2.5646	.00879	.00231	4.4066	.0244
SDev	.00105	.0054	.00008	.00048	.0047	.0044
%RSD	.63206	.21110	.91153	20.913	.10588	18.14
#1	.16641	2.5685	.00874	.00197	4.4033	.0213
#2	.16493	2.5608	.00885	.00265	4.4099	.0275
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506197-1MS Operator: SW
Run Time: 06/30/05 12:36:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49027	.48507	1.8837	1.8729	.00198	9.9714	5.2735
SDev	.00035	.00656	.0147	.0162	.00042	.0989	.0562
%RSD	.07085	1.3515	.77977	.86309	21.390	.99154	1.0653
#1	.49002	.48043	1.8733	1.8615	.00228	9.9015	5.2338
#2	.49051	.48970	1.8941	1.8843	.00168	10.041	5.3132
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04846	H510.87	.04403	.47305	.21031	.31359	15.525
SDev	.00027	1.19	.00022	.00165	.00030	.00308	.058
%RSD	.54930	.23272	.50412	.34793	.14130	.98203	.37138
#1	.04827	H510.03	.04387	.47189	.21010	.31141	15.484
#2	.04865	H511.71	.04419	.47422	.21052	.31577	15.565
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	43.337	136.73	9.1372	80.643	.49716	.39968	.59217
SDev	.390	.72	.0447	.608	.00171	.00120	.00317
%RSD	.89937	.52981	.48908	.75409	.34320	.29974	.53583
#1	43.061	136.21	9.1056	80.213	.49596	.39883	.58992
#2	43.612	137.24	9.1688	81.073	.49837	.40052	.59441
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.54297	1.9009	.48680	1.8765	1.8323	.75625	1.0029
SDev	.00104	.0130	.00449	.0157	.0231	.04040	.0082
%RSD	.19225	.68347	.92201	.83524	1.2631	5.3425	.81799
#1	.54224	1.8917	.48363	1.8654	1.8159	.72769	.99709
#2	.54371	1.9101	.48997	1.8876	1.8487	.78482	1.0087
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.7034	14.335	.46720	.93060	H23.065	.0633
SDev	.0109	.106	.00024	.00762	.340	.0114
%RSD	.64001	.73638	.05207	.81911	1.4729	17.94
#1	1.6956	14.260	.46703	.92521	H22.825	.0713
#2	1.7111	14.409	.46738	.93599	H23.305	.0553
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506197-1MSD Operator: SW
Run Time: 06/30/05 12:38:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.49413	.49031	1.9001	1.8875	.00209	10.059	5.2285
SDev	.00550	.00112	.0028	.0085	.00028	.002	.0013
%RSD	1.1124	.22798	.14499	.44896	13.393	.01590	.02495
#1	.49024	.49110	1.8982	1.8815	.00229	10.058	5.2275
#2	.49802	.48951	1.9021	1.8935	.00189	10.060	5.2294
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04850	H532.16	.04432	.47360	.21305	.30799	16.117
SDev	.00010	2.14	.00010	.00036	.00017	.00022	.035
%RSD	.19716	.40231	.22116	.07595	.08204	.07200	.21704
#1	.04843	H530.65	.04425	.47385	.21293	.30784	16.092
#2	.04857	H533.68	.04439	.47335	.21317	.30815	16.141
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	43.398	143.11	9.6252	80.612	.50058	.39952	.60137
SDev	.018	.34	.0199	.124	.00101	.00508	.00081
%RSD	.04259	.23656	.20684	.15341	.20249	1.2708	.13538
#1	43.385	142.87	9.6111	80.699	.49986	.40311	.60079
#2	43.411	143.35	9.6393	80.524	.50130	.39593	.60194
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.55747	1.9216	.49158	1.8917	1.8495	.74793	1.0476
SDev	.00116	.0040	.00109	.0066	.0052	.04962	.0007
%RSD	.20844	.21062	.22069	.34728	.28299	6.6346	.06700
#1	.55665	1.9187	.49081	1.8870	1.8458	.71284	1.0471
#2	.55829	1.9244	.49235	1.8963	1.8532	.78302	1.0481
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.7666	15.002	.46824	.93317	H26.673	.0691
SDev	.0037	.018	.00074	.00278	.071	.0135
%RSD	.20775	.11770	.15831	.29786	.26448	19.47

#1	1.7640	14.990	.46772	.93121	H26.623	.0786
#2	1.7692	15.015	.46877	.93514	H26.723	.0596

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506246-4 Operator: SW
Run Time: 06/30/05 12:41:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0914	1.0940	.74055	.72564	1.2270	4.2890	.11698
SDev	.0028	.0009	.01184	.00052	.0007	.0073	.00005
%RSD	.25498	.08240	1.5988	.07193	.05491	.16970	.03906
#1	1.0894	1.0947	.74892	.72601	1.2265	4.2839	.11695
#2	1.0934	1.0934	.73218	.72527	1.2275	4.2942	.11701
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.60972	46.656	.78318	.83720	3.4633	.87578	101.11
SDev	.00193	.181	.00359	.00243	.0093	.00110	.35
%RSD	.31711	.38719	.45785	.28975	.26811	.12541	.35059
#1	.60835	46.528	.78064	.83549	3.4568	.87500	100.86
#2	.61109	46.784	.78572	.83892	3.4699	.87656	101.36
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	24.397	8.0365	6.3778	6.3938	3.4199	1.1122	.57609
SDev	.019	.0216	.0196	.0059	.0121	.0078	.00139
%RSD	.07874	.26921	.30689	.09201	.35452	.70142	.24101
#1	24.383	8.0212	6.3639	6.3896	3.4113	1.1067	.57511
#2	24.410	8.0518	6.3916	6.3980	3.4285	1.1177	.57707
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	5.5306	.63717	1.0931	.73061	1.2816	1.4120	.46474
SDev	.0312	.00120	.0003	.00429	.0008	.1020	.00132
%RSD	.56428	.18774	.02977	.58732	.06252	7.2203	.28436
#1	5.5085	.63802	1.0929	.73364	1.2821	1.3399	.46381
#2	5.5526	.63633	1.0934	.72757	1.2810	1.4841	.46568
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.56361	1.9588	2.2746	.97185	.08313	.0157
SDev	.00142	.0013	.0093	.00520	.00021	.0104
%RSD	.25253	.06618	.41072	.53538	.25758	66.57
#1	.56260	1.9597	2.2680	.96817	.08328	.0231
#2	.56462	1.9579	2.2812	.97553	.08298	.0083
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506246-5 Operator: SW
Run Time: 06/30/05 12:43:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02337	.02266	.00942	.00475	.00276	15.021	.41609
SDev	.00065	.00332	.00255	.00610	.00036	.061	.00071
%RSD	2.7833	14.636	27.026	128.22	13.071	.40519	.17023
#1	.02291	.02500	.00762	.00907	.00302	14.978	.41559
#2	.02383	.02031	.01122	.00044	.00251	15.064	.41659
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00305	7.1015	.00106	.01025	.09179	.07130	25.667
SDev	.00022	.0027	.00028	.00024	.00102	.00032	.007
%RSD	7.1713	.03802	26.823	2.3556	1.1054	.44872	.02762
#1	.00321	7.1034	.00127	.01042	.09251	.07153	25.662
#2	.00290	7.0996	.00086	.01008	.09107	.07107	25.672
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.2996	1.6397	.18780	.76564	.05051	.00891	.19144
SDev	.0016	.0030	.00211	.00086	.00157	.00091	.00008
%RSD	.03758	.18029	1.1208	.11273	3.1130	10.200	.04048
#1	4.3008	1.6418	.18928	.76625	.05163	.00955	.19139
#2	4.2985	1.6377	.18631	.76503	.04940	.00827	.19150
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.03677	.00630	.02289	.00631	.00345	.03938	.24837
SDev	.00206	.00139	.00199	.00322	.00520	.00261	.00046
%RSD	5.6039	22.095	8.7159	51.019	150.58	6.6199	.18499
#1	.03823	.00728	.02431	.00858	.00713	.04122	.24869
#2	.03531	.00532	.02148	.00403	-.00022	.03754	.24804
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04201	4.7978	.05970	.00931	.09443	.5673
SDev	.00060	.0107	.00210	.00120	.00005	.0053
%RSD	1.4313	.22209	3.5241	12.903	.05599	.9259
#1	.04243	4.7902	.06119	.01016	.09446	.5636
#2	.04158	4.8053	.05821	.00846	.09439	.5710
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506197-1 2X Operator: SW
Run Time: 06/30/05 12:49:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02701	.02638	.00710	-.00521	.00164	3.9747	1.7333
SDev	.00049	.00142	.00174	.00393	.00013	.0131	.0045
%RSD	1.8070	5.3756	24.569	75.339	8.1541	.33033	.25910
#1	.02735	.02538	.00833	-.00799	.00173	3.9654	1.7302
#2	.02666	.02738	.00586	-.00243	.00154	3.9840	1.7365
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00037	232.82	-.00016	.01753	.02033	.05065	8.3323
SDev	.00000	1.02	.00004	.00024	.00022	.00020	.0334
%RSD	.00963	.43950	27.649	1.3655	1.0924	.39154	.40144
#1	.00037	232.10	-.00019	.01736	.02018	.05079	8.3086
#2	.00037	233.55	-.00013	.01769	.02049	.05051	8.3559
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.8910	51.086	4.6080	21.815	.04467	.00206	.07554
SDev	.0161	.203	.0175	.047	.00036	.00315	.00016
%RSD	.55535	.39652	.38057	.21694	.81776	152.47	.20952
#1	2.8797	50.943	4.5956	21.781	.04441	.00429	.07543
#2	2.9024	51.229	4.6204	21.848	.04493	-.00016	.07565
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.07621	.00973	.02659	-.00111	.00062	.02385	.29583
SDev	.00266	.00152	.00078	.00204	.00037	.00059	.00099
%RSD	3.4955	15.666	2.9460	183.28	59.459	2.4899	.33507
#1	.07433	.00865	.02603	-.00255	.00036	.02427	.29513
#2	.07810	.01080	.02714	.00033	.00087	.02343	.29653
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.40572	6.6894	.01698	.00538	H10.900	.0420
SDev	.00184	.0098	.00048	.00120	.029	.0066
%RSD	.45363	.14622	2.8198	22.328	.26746	15.70
#1	.40442	6.6963	.01731	.00623	H10.879	.0374
#2	.40702	6.6825	.01664	.00453	H10.920	.0467
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506197-1D 2X Operator: SW
Run Time: 06/30/05 12:51:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02141	.02292	.00336	.00007	.00167	3.2022	1.8633
SDev	.00026	.00058	.00588	.00087	.00043	.0014	.0039
%RSD	1.1956	2.5403	175.05	1178.0	25.665	.04240	.21068
#1	.02123	.02251	-.00080	-.00054	.00137	3.2013	1.8605
#2	.02159	.02334	.00751	.00069	.00198	3.2032	1.8661
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00037	246.81	-.00027	.01694	.01926	.03461	6.4669
SDev	.00000	.84	.00004	.00045	.00024	.00001	.0059
%RSD	.01481	.33899	13.300	2.6698	1.2409	.02231	.09068
#1	.00037	246.22	-.00029	.01662	.01909	.03460	6.4627
#2	.00037	247.40	-.00024	.01726	.01943	.03461	6.4710
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.7464	52.172	4.8958	22.195	.03524	-.00175	.07241
SDev	.0021	.121	.0115	.015	.00020	.00003	.00024
%RSD	.07588	.23262	.23583	.06571	.55932	1.8416	.33671
#1	2.7479	52.086	4.8877	22.205	.03510	-.00177	.07224
#2	2.7449	52.258	4.9040	22.184	.03538	-.00172	.07259
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.05336	.01115	.02242	.00117	-.00171	.01963	.25729
SDev	.00040	.00221	.00047	.00254	.00012	.00120	.00055
%RSD	.75176	19.863	2.1127	217.47	7.2867	6.1087	.21543
#1	.05307	.01271	.02208	-.00063	-.00180	.01878	.25690
#2	.05364	.00958	.02275	.00296	-.00162	.02048	.25768
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.43424	6.8377	.01948	.00547	H11.600	.0492
SDev	.00144	.0147	.00160	.00012	.051	.0118
%RSD	.33093	.21568	8.2312	2.1239	.44157	23.92
#1	.43322	6.8272	.01834	.00555	H11.564	.0409
#2	.43525	6.8481	.02061	.00538	H11.637	.0575
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 06/30/05 12:53:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48729	.49324	.50501	.49105	.48800	51.429	.46685
SDev	.00134	.00256	.00651	.00340	.00031	.103	.00084
%RSD	.27553	.51822	1.2883	.69284	.06350	.19974	.17942
#1	.48634	.49504	.50961	.48865	.48822	51.501	.46745
#2	.48824	.49143	.50041	.49346	.48778	51.356	.46626
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50203	52.982	.49241	.49443	.48859	.49270	20.907
SDev	.00036	.159	.00094	.00054	.00094	.00053	.022
%RSD	.07159	.30032	.19100	.11008	.19247	.10680	.10538
#1	.50229	53.095	.49307	.49482	.48925	.49308	20.923
#2	.50178	52.870	.49174	.49405	.48792	.49233	20.892
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.893	51.825	.49096	20.837	.48785	.47869	.49569
SDev	.033	.105	.00186	.042	.00072	.00185	.00065
%RSD	.16658	.20321	.37904	.20292	.14736	.38581	.13042
#1	19.916	51.899	.49228	20.867	.48836	.47739	.49614
#2	19.869	51.750	.48965	20.808	.48734	.48000	.49523
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50165	.48180	.49126	.49570	.50410	.66934	.48694
SDev	.00076	.00300	.00126	.00010	.00995	.01026	.00006
%RSD	.15115	.62377	.25604	.02076	1.9743	1.5330	.01198
#1	.50218	.47968	.49214	.49563	.51114	.66209	.48698
#2	.50111	.48393	.49037	.49577	.49707	.67660	.48690
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98766	.25353	.49243	.49925	.48635	9.727
SDev	.00055	.00223	.00070	.00024	.00325	.001
%RSD	.05525	.88012	.14279	.04840	.66886	.0051
#1	.98728	.25511	.49193	.49942	.48865	9.727
#2	.98805	.25195	.49293	.49908	.48405	9.726
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 06/30/05 12:56:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00096	-.00076	.00463	-.00065	.00085	.02646	.00021
SDev	.00204	.00053	.00756	.00347	.00019	.00054	.00003
%RSD	213.75	70.114	163.29	530.10	22.742	2.0329	15.277
#1	.00240	-.00114	.00997	-.00311	.00071	.02684	.00019
#2	-.00049	-.00038	-.00072	.00180	.00098	.02608	.00023
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00007	.05453	-.00035	.00015	.00013	.00002	.01884
SDev	.00001	.00251	.00007	.00006	.00005	.00003	.00074
%RSD	9.4883	4.5974	20.968	41.054	35.795	183.87	3.9431
#1	-.00007	.05275	-.00040	.00010	.00010	-.00000	.01832
#2	-.00008	.05630	-.00029	.00019	.00017	.00004	.01937
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.15514	.01824	.00084	.10599	.00022	-.00113	.00040
SDev	.01562	.00180	.00008	.00029	.00060	.00130	.00016
%RSD	10.072	9.8748	9.7416	.27581	280.68	115.18	40.477
#1	.14409	.01696	.00078	.10578	-.00021	-.00021	.00028
#2	.16619	.01951	.00089	.10620	.00064	-.00206	.00051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00099	.00191	-.00019	.00110	.00202	-.00087	.00046
SDev	.00005	.00158	.00032	.00020	.00160	.00078	.00003
%RSD	5.0789	82.488	171.71	18.209	79.336	88.808	7.1938
#1	.00096	.00303	.00004	.00125	.00316	-.00032	.00048
#2	.00103	.00080	-.00042	.00096	.00089	-.00142	.00043
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00280	.00223	.00321	.00120	.00138	.0195
SDev	.00018	.00027	.00019	.00036	.00015	.0060
%RSD	6.3227	11.953	6.0927	29.871	10.959	30.64
#1	.00292	.00242	.00335	.00145	.00128	.0153
#2	.00267	.00204	.00307	.00095	.00149	.0238
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: 0506197-1L 10X Operator: SW
Run Time: 06/30/05 12:58:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00665	.00463	.01104	.00072	.00095	.79807	.35756
SDev	.00245	.00021	.00323	.00126	.00071	.00545	.00122
%RSD	36.881	4.4401	29.253	174.43	74.551	.68227	.34022
#1	.00839	.00449	.01332	-.00017	.00045	.79422	.35670
#2	.00492	.00478	.00875	.00162	.00144	.80192	.35842
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00000	44.365	-.00052	.00376	.00399	.01032	1.6292
SDev	.00000	.111	.00001	.00033	.00017	.00001	.0057
%RSD	1.5887	.25043	2.4871	8.8145	4.2053	.08327	.34882
#1	-.00000	44.286	-.00051	.00353	.00387	.01033	1.6251
#2	-.00000	44.443	-.00053	.00400	.00411	.01032	1.6332
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.61560	10.182	.95888	4.0363	.00981	-.00172	.01605
SDev	.00156	.022	.00219	.0058	.00051	.00137	.00024
%RSD	.25285	.21354	.22857	.14433	5.1516	79.590	1.5140
#1	.61450	10.167	.95733	4.0322	.00946	-.00269	.01588
#2	.61670	10.198	.96043	4.0405	.01017	-.00075	.01622
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01941	.00364	.00531	.00416	.00137	.00275	.06147
SDev	.00035	.00057	.00068	.00023	.00061	.00033	.00003
%RSD	1.8134	15.652	12.812	5.6101	44.595	12.005	.05528
#1	.01916	.00323	.00579	.00432	.00180	.00299	.06150
#2	.01966	.00404	.00482	.00399	.00094	.00252	.06145
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08361	1.3733	.00486	.00163	2.2300	.0244
SDev	.00017	.0067	.00004	.00024	.0063	.0103
%RSD	.20306	.48921	.77109	14.551	.28215	42.20
#1	.08373	1.3685	.00489	.00180	2.2255	.0171
#2	.08349	1.3780	.00484	.00146	2.2344	.0317
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506197-1MS 2X Operator: SW
Run Time: 06/30/05 13:00:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.25486	.25384	.96776	.95457	.00108	5.1118	2.7505
SDev	.00365	.00099	.00300	.01270	.00026	.0400	.0129
%RSD	1.4323	.38941	.31002	1.3309	23.651	.78279	.46753
#1	.25228	.25314	.96989	.94559	.00090	5.1401	2.7595
#2	.25744	.25454	.96564	.96356	.00126	5.0835	2.7414
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02468	254.06	.02301	.24809	.10989	.16027	7.8562
SDev	.00011	2.03	.00017	.00142	.00058	.00052	.0454
%RSD	.44287	.80017	.76149	.57141	.52896	.32222	.57829
#1	.02460	252.62	.02288	.24709	.10947	.16064	7.8241
#2	.02475	255.50	.02313	.24909	.11030	.15990	7.8884
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	22.111	69.095	4.7369	40.385	.26260	.21298	.30802
SDev	.168	.248	.0171	.270	.00134	.00261	.00066
%RSD	.76154	.35895	.36193	.66825	.50933	1.2233	.21523
#1	22.230	68.920	4.7247	40.575	.26166	.21113	.30755
#2	21.992	69.271	4.7490	40.194	.26355	.21482	.30849
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.28556	.97019	.25418	.95897	.95752	.39855	.51971
SDev	.00307	.00551	.00187	.00747	.00247	.01252	.00085
%RSD	1.0766	.56765	.73761	.77944	.25811	3.1422	.16287
#1	.28339	.96630	.25285	.95368	.95926	.40741	.51912
#2	.28774	.97409	.25550	.96425	.95577	.38970	.52031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.87404	7.4220	.23881	.47757	H11.236	.0406
SDev	.00076	.0429	.00090	.00447	.020	.0095
%RSD	.08674	.57776	.37891	.93586	.17791	23.35
#1	.87350	7.4524	.23817	.47441	H11.250	.0339
#2	.87458	7.3917	.23945	.48073	H11.221	.0472
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506197-1MSD 2X Operator: SW
Run Time: 06/30/05 13:02:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.25879	.25491	.97815	.96460	.00147	5.1511	2.7128
SDev	.00188	.00018	.00075	.00148	.00021	.0026	.0029
%RSD	.72632	.07123	.07669	.15319	14.304	.05004	.10687
#1	.26012	.25479	.97868	.96355	.00133	5.1529	2.7148
#2	.25746	.25504	.97762	.96564	.00162	5.1493	2.7107
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02471	265.53	.02301	.24862	.11147	.15751	8.1754
SDev	.00004	.36	.00022	.00036	.00033	.00017	.0121
%RSD	.16544	.13696	.93948	.14607	.29539	.10844	.14767
#1	.02468	265.28	.02285	.24836	.11124	.15763	8.1668
#2	.02473	265.79	.02316	.24887	.11170	.15739	8.1839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	22.142	72.299	4.9939	40.460	.26400	.21273	.31253
SDev	.000	.085	.0064	.008	.00058	.00220	.00073
%RSD	.00114	.11808	.12718	.01908	.21818	1.0364	.23521
#1	22.142	72.239	4.9894	40.454	.26440	.21117	.31201
#2	22.142	72.359	4.9984	40.465	.26359	.21429	.31305
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.29329	.96926	.25621	.96911	.96438	.39782	.54155
SDev	.00106	.00675	.00051	.00074	.00047	.00365	.00001
%RSD	.36111	.69604	.19704	.07593	.04893	.91823	.00184
#1	.29254	.96449	.25656	.96859	.96472	.40040	.54154
#2	.29404	.97403	.25585	.96963	.96405	.39524	.54156
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.90516	7.6075	.24176	.47954	H12.355	.0459
SDev	.00169	.0064	.00221	.00169	.000	.0156
%RSD	.18631	.08440	.91585	.35357	.00293	33.96
#1	.90397	7.6121	.24333	.47834	H12.355	.0349
#2	.90635	7.6030	.24020	.48074	H12.355	.0569
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Analysis Report 06/30/05 01:08:25 PM page 1

Method: 30EL Sample Name: 0506197-1 10X Operator: SW
Run Time: 06/30/05 13:06:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02501	-.00593	-.00001	.00263	.00325	.46431	.20604
SDev	.02732	.01597	.01609	.00684	.00348	.48267	.21552
%RSD	109.23	269.30	228760.	259.60	106.96	103.95	104.60
#1	.00569	.00536	.01137	-.00220	.00079	.80561	.35844
#2	.04433	-.01722	-.01139	.00747	.00572	.12301	.05364
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00007	24.958	.00032	.00478	.00440	.00802	1.0329
SDev	.00010	27.683	.00105	.00104	.00046	.00367	.8445
%RSD	148.75	110.92	327.87	21.803	10.401	45.805	81.761
#1	-.00000	44.532	-.00042	.00404	.00408	.01061	1.6301
#2	.00013	5.3832	.00107	.00551	.00473	.00542	.43575
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

SW 7/18/05

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.1220	6.0017	.56229	2.3126	.00796	.01468	.01130
SDev	.7165	5.9640	.56198	2.4996	.00164	.02370	.00633
%RSD	63.856	99.373	99.944	108.08	20.608	161.43	56.003
#1	.61538	10.219	.95967	4.0801	.00932	-.00208	.01577
#2	1.6286	1.7845	.16491	.54516	.00680	.03144	.00682
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Via van dyz during 2nd burn

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01242	.01035	.00437	.00175	-.00320	.00768	.03837
SDev	.00943	.01206	.00155	.00080	.01103	.00598	.03274
%RSD	75.892	116.58	35.498	45.436	345.06	77.884	85.333
#1	.01909	.00182	.00547	.00232	.00460	.00345	.06152
#2	.00576	.01888	.00328	.00119	-.01100	.01191	.01522
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05116	.79999	.00278	.00421	1.2327	.1009
SDev	.04727	.88491	.00299	.00268	1.4153	.0946
%RSD	92.392	110.61	107.75	63.711	114.81	93.74
#1	.08458	1.4257	.00489	.00231	2.2335	.0340
#2	.01774	.17427	.00066	.00610	.23199	.1678
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

SW 7/18/05

Method: 30EL Sample Name: 0506197-1D 10X Operator: SW
Run Time: 06/30/05 13:08:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00621	.00349	.00609	-.00616	.00080	.64485	.38563
SDev	.00165	.00125	.00060	.00095	.00021	.00062	.00024
%RSD	26.600	35.687	9.7815	15.360	26.656	.09631	.06316
#1	.00738	.00261	.00566	-.00549	.00065	.64529	.38580
#2	.00504	.00437	.00651	-.00683	.00095	.64441	.38546
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00002	47.316	-.00052	.00359	.00381	.00712	1.2714
SDev	.00000	.083	.00017	.00000	.00016	.00005	.0044
%RSD	.23918	.17449	32.703	.01216	4.3160	.74654	.34955
#1	-.00002	47.258	-.00040	.00359	.00370	.00715	1.2682
#2	-.00002	47.375	-.00064	.00359	.00393	.00708	1.2745
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.60050	10.418	1.0202	4.1062	.00712	-.00120	.01525
SDev	.01419	.014	.0015	.0012	.00011	.00147	.00024
%RSD	2.3634	.13348	.14484	.02880	1.5777	122.86	1.5725
#1	.59046	10.408	1.0191	4.1070	.00720	-.00224	.01508
#2	.61053	10.428	1.0212	4.1053	.00704	-.00016	.01542
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01175	.00312	.00440	-.00208	.00219	.00228	.05377
SDev	.00005	.00218	.00028	.00043	.00261	.00100	.00015
%RSD	.43061	69.777	6.4011	20.791	119.17	43.960	.27068
#1	.01171	.00466	.00420	-.00178	.00034	.00157	.05387
#2	.01178	.00158	.00460	-.00239	.00404	.00299	.05366
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08931	1.4864	.00595	.00214	2.3797	.0226
SDev	.00056	.0063	.00032	.00048	.0010	.0006
%RSD	.62577	.42654	5.3177	22.498	.04322	2.838
#1	.08891	1.4909	.00573	.00248	2.3789	.0222
#2	.08970	1.4819	.00618	.00180	2.3804	.0231
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506197-1L 50X Operator: SW
Run Time: 06/30/05 13:10:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00004	.00195	.00874	-.00172	.00131	.16823	.07201
SDev	.00108	.00037	.00014	.00130	.00036	.00191	.00030
%RSD	3021.6	18.831	1.6187	75.300	27.809	1.1325	.41017
#1	-.00080	.00169	.00864	-.00264	.00156	.16958	.07222
#2	.00073	.00221	.00884	-.00080	.00105	.16689	.07180
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00013	8.2980	-.00034	.00170	.00095	.00207	.31259
SDev	.00001	.0581	.00023	.00009	.00024	.00001	.00829
%RSD	5.1830	.69970	68.233	5.3282	25.747	.61981	2.6524
#1	-.00013	8.3391	-.00017	.00177	.00112	.00208	.31845
#2	-.00014	8.2570	-.00050	.00164	.00077	.00206	.30673
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.25394	2.0284	.19471	.84150	.00264	.00447	.00370
SDev	.01202	.0129	.00108	.00257	.00063	.00278	.00016
%RSD	4.7331	.63834	.55405	.30529	23.941	62.289	4.4313
#1	.26244	2.0376	.19547	.84332	.00308	.00250	.00382
#2	.24544	2.0193	.19395	.83969	.00219	.00644	.00358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00534	.00360	.00129	.00176	.00226	.00013	.01275
SDev	.00020	.00131	.00060	.00091	.00098	.00065	.00019
%RSD	3.7605	36.302	46.935	51.719	43.430	488.92	1.4835
#1	.00548	.00452	.00086	.00112	.00157	.00059	.01289
#2	.00519	.00267	.00171	.00241	.00296	-.00032	.01262
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01876	.29163	.00326	.00078	.44950	.0340
SDev	.00049	.00172	.00177	.00048	.00144	.0056
%RSD	2.6398	.58860	54.217	61.883	.31926	16.47
#1	.01911	.29284	.00452	.00112	.45051	.0380
#2	.01841	.29042	.00201	.00044	.44848	.0300
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506197-1MS 10X Operator: SW
Run Time: 06/30/05 13:12:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05495	.05185	.20936	.19261	.00066	1.0181	.56424
SDev	.00230	.00048	.01131	.00042	.00005	.0071	.00249
%RSD	4.1885	.92462	5.4019	.21779	8.0843	.69958	.44051
#1	.05657	.05151	.21735	.19231	.00062	1.0131	.56248
#2	.05332	.05219	.20136	.19291	.00070	1.0232	.56600
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00495	48.989	.00472	.05284	.02326	.03250	1.5536
SDev	.00001	.023	.00012	.00021	.00024	.00005	.0041
%RSD	.14069	.04772	2.4452	.39586	1.0482	.14883	.26108
#1	.00496	49.006	.00464	.05299	.02309	.03246	1.5565
#2	.00495	48.973	.00481	.05269	.02344	.03253	1.5508
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.3191	13.812	.99126	7.8169	.05596	.04721	.06466
SDev	.0063	.014	.00102	.0331	.00001	.00095	.00057
%RSD	.14647	.10378	.10260	.42306	.02460	2.0150	.87863
#1	4.3147	13.801	.99054	7.7935	.05595	.04654	.06426
#2	4.3236	13.822	.99198	7.8403	.05597	.04789	.06506
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.06319	.19164	.05288	.19819	.20183	.07719	.10778
SDev	.00065	.00041	.00045	.00349	.00134	.00084	.00017
%RSD	1.0355	.21556	.84458	1.7590	.66430	1.0897	.16076
#1	.06365	.19134	.05320	.20065	.20277	.07779	.10766
#2	.06272	.19193	.05256	.19572	.20088	.07660	.10790
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17823	1.5753	.05137	.09900	2.2890	.0244
SDev	.00096	.0189	.00069	.00097	.0078	.0051
%RSD	.53591	1.1970	1.3395	.97485	.33917	20.77
#1	.17756	1.5620	.05088	.09831	2.2835	.0208
#2	.17891	1.5887	.05185	.09968	2.2945	.0280
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506197-1MSD 10X Operator: SW
Run Time: 06/30/05 13:14:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.05153	.05439	.20281	.19567	.00161	1.0380	.56402
SDev	.00229	.00176	.00243	.00203	.00002	.0003	.00079
%RSD	4.4504	3.2437	1.2001	1.0397	1.0306	.02933	.14069
#1	.04990	.05315	.20109	.19424	.00163	1.0382	.56346
#2	.05315	.05564	.20453	.19711	.00160	1.0377	.56458
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00498	50.972	.00477	.05366	.02403	.03203	1.6167
SDev	.00001	.086	.00004	.00012	.00009	.00002	.0020
%RSD	.27399	.16856	.75504	.22340	.39097	.05884	.12371
#1	.00499	50.911	.00474	.05358	.02409	.03204	1.6153
#2	.00497	51.033	.00480	.05374	.02396	.03202	1.6182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.3070	14.478	1.0473	7.7947	.05732	.05129	.06614
SDev	.0035	.011	.0014	.0067	.00048	.00231	.00008
%RSD	.08127	.07477	.13272	.08564	.83242	4.4984	.12308
#1	4.3095	14.471	1.0463	7.7995	.05766	.05292	.06620
#2	4.3046	14.486	1.0483	7.7900	.05698	.04965	.06609
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.06317	.19446	.05344	.19805	.20273	.07401	.11295
SDev	.00005	.00349	.00194	.00217	.00260	.00253	.00027
%RSD	.07867	1.7926	3.6311	1.0944	1.2836	3.4161	.23986
#1	.06314	.19693	.05207	.19652	.20089	.07580	.11276
#2	.06321	.19200	.05481	.19958	.20457	.07223	.11314
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18651	1.6048	.05094	.09960	2.5361	.0475
SDev	.00070	.0072	.00040	.00036	.0033	.0016
%RSD	.37558	.44813	.79383	.36209	.12992	3.322

#1	.18601	1.6099	.05066	.09986	2.5338	.0464
#2	.18700	1.5998	.05123	.09935	2.5384	.0486

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: F050628-1MB Operator: SW
Run Time: 06/30/05 13:21:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00083	.00053	.00111	-.00110	.00045	.01147	-.00009
SDev	.00012	.00039	.00342	.00186	.00059	.00207	.00007
%RSD	14.485	73.906	309.06	168.14	129.41	18.056	77.496
#1	-.00091	.00081	.00353	.00021	.00004	.01000	-.00014
#2	-.00074	.00025	-.00131	-.00242	.00087	.01293	-.00004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00020	.02597	-.00058	.00017	-.00045	-.00070	.00248
SDev	.00001	.00014	.00015	.00033	.00021	.00014	.00380
%RSD	3.3703	.52758	26.046	199.32	48.037	20.468	153.48
#1	-.00020	.02607	-.00069	-.00007	-.00060	-.00080	-.00021
#2	-.00019	.02587	-.00047	.00040	-.00030	-.00060	.00516
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08988	-.00032	.00022	.09733	-.00004	-.00082	-.00012
SDev	.01759	.00332	.00002	.00007	.00063	.00387	.00073
%RSD	19.574	1038.8	10.812	.06852	1471.2	471.52	596.68
#1	.07744	-.00266	.00021	.09729	-.00049	-.00356	-.00064
#2	.10232	.00203	.00024	.09738	.00040	.00192	.00039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00003	.00063	.00008	-.00037	.00392	-.00179	-.00003
SDev	.00020	.00051	.00022	.00238	.00158	.00103	.00016
%RSD	616.73	79.632	283.00	646.61	40.226	57.856	566.99
#1	-.00011	.00099	.00023	.00131	.00503	-.00252	-.00014
#2	.00017	.00028	-.00008	-.00205	.00280	-.00106	.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00132	-.00070	.00187	.00000	.00035	.0032
SDev	.00098	.00091	.00043	.00037	.00001	.0170
%RSD	73.873	130.30	23.127	8757.3	3.9062	532.1
#1	.00063	-.00134	.00157	-.00026	.00036	-.0088
#2	.00201	-.00005	.00218	.00026	.00034	.0153
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: F050628-1LCS Operator: SW
Run Time: 06/30/05 13:23:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49817	.50450	2.1746	2.1292	.04980	1.8163	1.9166
SDev	.00511	.00219	.0147	.0174	.00038	.0011	.0050
%RSD	1.0257	.43430	.67667	.81694	.76499	.06193	.25831
#1	.49456	.50605	2.1642	2.1169	.05007	1.8155	1.9131
#2	.50178	.50295	2.1850	2.1415	.04953	1.8171	1.9201
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05197	39.711	.05037	.49617	.19432	.24899	.87013
SDev	.00012	.148	.00031	.00001	.00061	.00056	.01672
%RSD	.23644	.37368	.62019	.00232	.31470	.22663	1.9220
#1	.05188	39.606	.05015	.49616	.19389	.24859	.85831
#2	.05206	39.816	.05059	.49617	.19475	.24939	.88196
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	34.832	39.289	.49049	37.590	.49374	.48498	.49846
SDev	.065	.120	.00118	.082	.00197	.00322	.00140
%RSD	.18748	.30574	.24046	.21717	.39934	.66346	.28194
#1	34.786	39.204	.48966	37.532	.49234	.48725	.49747
#2	34.878	39.374	.49133	37.647	.49513	.48270	.49946
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.51729	2.0594	.50239	2.1443	2.0830	.71591	.49304
SDev	.00167	.0102	.00024	.0165	.0006	.02842	.00144
%RSD	.32195	.49444	.04779	.76958	.02672	3.9702	.29247
#1	.51611	2.0522	.50222	2.1326	2.0834	.69581	.49202
#2	.51847	2.0666	.50256	2.1560	2.0826	.73601	.49406
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0446	1.7804	.47445	.99951	.47647	.0187
SDev	.0045	.0046	.00120	.00969	.00113	.0036
%RSD	.42952	.25929	.25250	.96926	.23634	19.27
#1	1.0414	1.7772	.47361	.99266	.47567	.0213
#2	1.0477	1.7837	.47530	1.0064	.47727	.0162
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 06/30/05 13:25:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48403	.48985	.51384	.49663	.48655	51.575	.47172
SDev	.00235	.00356	.01046	.00881	.00012	.202	.00172
%RSD	.48570	.72696	2.0360	1.7745	.02450	.39093	.36503
#1	.48569	.48733	.52124	.50286	.48664	51.717	.47294
#2	.48237	.49236	.50644	.49039	.48647	51.432	.47051
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49742	52.398	.48879	.48897	.48352	.49513	20.728
SDev	.00127	.100	.00119	.00121	.00108	.00186	.014
%RSD	.25569	.19091	.24244	.24733	.22326	.37586	.06799
#1	.49652	52.327	.48795	.48811	.48276	.49645	20.718
#2	.49832	52.468	.48963	.48982	.48429	.49382	20.738
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.892	51.298	.48610	20.842	.48617	.47611	.49315
SDev	.058	.059	.00064	.078	.00035	.00160	.00089
%RSD	.29090	.11565	.13118	.37339	.07274	.33652	.17988
#1	19.933	51.256	.48564	20.897	.48592	.47498	.49252
#2	19.851	51.340	.48655	20.787	.48642	.47725	.49378
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49396	.48812	.48791	.50236	.50684	.72515	.48639
SDev	.00273	.00421	.00159	.00936	.00643	.01178	.00002
%RSD	.55265	.86237	.32636	1.8636	1.2682	1.6238	.00489
#1	.49203	.49110	.48678	.50898	.51139	.71682	.48641
#2	.49589	.48515	.48904	.49574	.50230	.73348	.48638
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98741	.24994	.48610	.50049	.49034	9.836
SDev	.00115	.00218	.00025	.00120	.00094	.021
%RSD	.11699	.87082	.05190	.23973	.19223	.2089
#1	.98823	.25148	.48628	.49964	.49101	9.851
#2	.98660	.24841	.48593	.50133	.48968	9.822
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 06/30/05 13:28:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00268	-.00053	.01372	-.00214	.00070	.02320	.00017
SDev	.00035	.00011	.00592	.00038	.00056	.00108	.00006
%RSD	13.073	21.045	43.108	17.935	79.722	4.6425	37.166
#1	.00243	-.00045	.00954	-.00187	.00031	.02244	.00013
#2	.00293	-.00061	.01790	-.00241	.00110	.02396	.00022
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00007	.03937	-.00036	.00043	-.00015	.00007	.01726
SDev	.00001	.00063	.00024	.00027	.00040	.00048	.00595
%RSD	9.5749	1.6056	65.612	63.670	274.14	665.50	34.455
#1	-.00007	.03892	-.00052	.00023	-.00043	-.00027	.01306
#2	-.00008	.03982	-.00019	.00062	.00014	.00041	.02147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.17005	.01374	.00039	.10599	.00014	-.00050	.00001
SDev	.01758	.00291	.00006	.00016	.00007	.00407	.00040
%RSD	10.338	21.175	14.359	.14973	51.335	819.68	7492.8
#1	.15762	.01168	.00035	.10610	.00019	-.00337	-.00028
#2	.18248	.01580	.00043	.10588	.00009	.00238	.00029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00074	.00216	.00054	.00314	.00648	-.00215	.00057
SDev	.00020	.00086	.00004	.00171	.00023	.00207	.00023
%RSD	27.025	39.720	7.8920	54.562	3.4861	96.062	40.595
#1	.00060	.00155	.00051	.00193	.00664	-.00361	.00041
#2	.00088	.00276	.00057	.00435	.00632	-.00069	.00074
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00282	.00070	.00321	.00333	.00045	.0121
SDev	.00010	.00172	.00153	.00001	.00003	.0132
%RSD	3.5093	245.71	47.864	.14284	7.3303	108.6
#1	.00289	-.00052	.00212	.00332	.00043	.0028
#2	.00275	.00192	.00429	.00333	.00048	.0215
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: 0506122-22 Operator: SW
Run Time: 06/30/05 13:30:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00069	-.00101	.01776	-.00570	.00112	.02045	.00031
SDev	.00036	.00082	.00834	.00298	.00011	.00012	.00000
%RSD	51.229	81.389	46.981	52.285	9.7603	.59756	.00000
#1	.00044	-.00043	.02366	-.00780	.00120	.02053	.00031
#2	.00094	-.00158	.01186	-.00359	.00104	.02036	.00031
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00014	.04837	-.00049	.00059	.00692	.00078	.07662
SDev	.00001	.00007	.00001	.00015	.00017	.00005	.00279
%RSD	4.9202	.14701	1.3235	25.557	2.4543	5.9405	3.6383
#1	-.00014	.04832	-.00049	.00070	.00704	.00081	.07859
#2	-.00014	.04842	-.00048	.00049	.00680	.00074	.07465
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.14889	.00697	.00079	.10603	.00112	.00026	.00011
SDev	.00853	.00000	.00002	.00003	.00034	.00246	.00025
%RSD	5.7322	.00000	2.0608	.02363	30.092	931.22	218.26
#1	.15492	.00697	.00078	.10601	.00088	.00200	.00029
#2	.14285	.00697	.00080	.10604	.00136	-.00147	-.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00184	.00239	-.00044	.00211	.00833	.00013	.00063
SDev	.00025	.00140	.00043	.00079	.00210	.00065	.00000
%RSD	13.631	58.612	97.179	37.455	25.161	488.92	.23373
#1	.00202	.00338	-.00014	.00267	.00685	.00059	.00063
#2	.00167	.00140	-.00074	.00155	.00981	-.00032	.00062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00464	.00744	.00426	.00128	.00028	.0149
SDev	.00030	.00035	.00028	.00072	.00000	.0078
%RSD	6.5587	4.6543	6.5065	56.416	1.0000	52.00
#1	.00442	.00719	.00446	.00180	.00027	.0204
#2	.00485	.00768	.00407	.00077	.00028	.0094
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506122-22D Operator: SW
Run Time: 06/30/05 13:32:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00079	-.00061	.00825	-.00432	.00069	.01878	.00007
SDev	.00020	.00058	.00120	.00116	.00029	.00097	.00004
%RSD	24.691	95.296	14.604	26.785	42.056	5.1483	63.046
#1	-.00093	-.00103	.00911	-.00350	.00090	.01946	.00010
#2	-.00066	-.00020	.00740	-.00514	.00049	.01809	.00004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00015	.06768	-.00066	.00032	.00368	.00006	.02559
SDev	.00000	.00065	.00007	.00000	.00014	.00001	.00302
%RSD	.01170	.96489	10.883	.06895	3.7409	15.017	11.790
#1	-.00015	.06814	-.00061	.00032	.00377	.00007	.02772
#2	-.00015	.06722	-.00071	.00032	.00358	.00006	.02345
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.13093	.00443	.00060	.10537	.00089	-.00271	-.00023
SDev	.01126	.00051	.00002	.00007	.00021	.00073	.00008
%RSD	8.6014	11.516	4.0569	.07134	23.651	27.052	35.848
#1	.13890	.00479	.00062	.10542	.00104	-.00219	-.00017
#2	.12297	.00407	.00058	.10531	.00074	-.00323	-.00029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00344	.00038	-.00067	-.00013	.00690	-.00160	.00035
SDev	.00000	.00018	.00045	.00117	.00088	.00078	.00013
%RSD	.00850	47.497	67.544	875.31	12.687	48.335	37.631
#1	.00344	.00025	-.00100	.00070	.00752	-.00106	.00044
#2	.00344	.00051	-.00035	-.00096	.00628	-.00215	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00314	.00706	.00282	.00128	.00024	.0070
SDev	.00036	.00007	.00036	.00000	.00001	.0095
%RSD	11.500	.96917	12.610	.26649	5.8140	136.1
#1	.00339	.00701	.00307	.00128	.00025	.0137
#2	.00288	.00710	.00256	.00128	.00023	.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506122-22L 5X Operator: SW
Run Time: 06/30/05 13:34:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00042	.00068	.01190	-.00098	.00114	.01545	.00007
SDev	.00061	.00089	.00511	.00224	.00037	.00115	.00003
%RSD	145.77	131.51	42.978	229.77	32.026	7.4266	42.613
#1	.00001	.00131	.01551	-.00256	.00088	.01464	.00005
#2	-.00085	.00005	.00828	.00061	.00140	.01626	.00010
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00014	.03314	-.00034	.00059	.00140	.00005	.01926
SDev	.00000	.00007	.00003	.00009	.00013	.00012	.00226
%RSD	.00000	.20973	8.7656	15.500	9.1148	237.98	11.723
#1	-.00014	.03310	-.00036	.00053	.00131	-.00003	.01766
#2	-.00014	.03319	-.00032	.00066	.00149	.00013	.02086
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.19382	.00536	.00040	.10912	.00052	.00055	.00028
SDev	.01740	.00066	.00002	.00022	.00034	.00084	.00001
%RSD	8.9760	12.285	4.0447	.19913	64.394	151.24	2.1388
#1	.18151	.00490	.00039	.10896	.00028	.00114	.00028
#2	.20612	.00583	.00041	.10927	.00076	-.00004	.00029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00106	.00169	.00031	.00331	.00158	-.00106	.00037
SDev	.00015	.00023	.00080	.00021	.00099	.00103	.00003
%RSD	14.200	13.590	255.77	6.2260	62.565	97.915	7.8089
#1	.00096	.00153	.00088	.00346	.00228	-.00179	.00039
#2	.00117	.00186	-.00025	.00316	.00088	-.00032	.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00201	.00118	.00260	.00052	.00017	.0259
SDev	.00018	.00022	.00130	.00109	.00000	.0095
%RSD	8.8128	18.296	49.866	207.77	.00000	36.61
#1	.00188	.00134	.00168	-.00025	.00017	.0192
#2	.00213	.00103	.00352	.00129	.00017	.0326
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506122-22MS Operator: SW
Run Time: 06/30/05 13:36:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.49042	.49535	2.1437	2.0987	.05036	1.7876	1.8628
SDev	.00090	.00203	.0022	.0140	.00011	.0092	.0014
%RSD	.18334	.40964	.10383	.66860	.20789	.51318	.07476
#1	.48978	.49392	2.1452	2.0888	.05029	1.7811	1.8618
#2	.49105	.49679	2.1421	2.1086	.05044	1.7941	1.8638
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05134	39.364	.04915	.49061	.19278	.24425	.85429
SDev	.00004	.095	.00022	.00070	.00032	.00021	.00438
%RSD	.07980	.24215	.44208	.14344	.16393	.08431	.51298
#1	.05131	39.297	.04900	.49012	.19256	.24410	.85119
#2	.05137	39.431	.04931	.49111	.19300	.24439	.85739
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	34.580	38.976	.48469	37.317	.48728	.48011	.49180
SDev	.072	.094	.00051	.146	.00017	.00125	.00043
%RSD	.20822	.24182	.10453	.39172	.03486	.25963	.08755
#1	34.529	38.909	.48434	37.214	.48716	.47923	.49150
#2	34.631	39.042	.48505	37.421	.48740	.48099	.49211
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.51331	2.0299	.49371	2.1137	2.0329	.70795	.48460
SDev	.00076	.0075	.00165	.0086	.0012	.00948	.00050
%RSD	.14753	.36992	.33479	.40773	.06019	1.3387	.10320
#1	.51277	2.0246	.49254	2.1076	2.0338	.70125	.48425
#2	.51384	2.0352	.49488	2.1198	2.0321	.71465	.48496
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0352	1.7587	.46762	.98701	.46447	.0295
SDev	.0031	.0034	.00145	.00727	.00032	.0055
%RSD	.30264	.19245	.30965	.73639	.06886	18.55

#1	1.0329	1.7563	.46659	.98187	.46425	.0257
#2	1.0374	1.7611	.46864	.99215	.46470	.0334
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506122-22MSD Operator: SW
Run Time: 06/30/05 13:38:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49813	.50156	2.1749	2.1333	.05074	1.8116	1.8851
SDev	.00058	.00387	.0048	.0097	.00002	.0184	.0197
%RSD	.11621	.77163	.22136	.45550	.03251	1.0145	1.0474
#1	.49854	.49883	2.1715	2.1264	.05073	1.7986	1.8711
#2	.49772	.50430	2.1783	2.1401	.05075	1.8246	1.8991
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05185	39.404	.04989	.49582	.19638	.24710	.87620
SDev	.00030	.223	.00034	.00218	.00080	.00191	.00794
%RSD	.57956	.56615	.68168	.44013	.40688	.77352	.90569
#1	.05164	39.247	.04964	.49428	.19581	.24574	.88181
#2	.05207	39.562	.05013	.49737	.19694	.24845	.87058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	34.606	39.077	.48944	37.404	.49232	.48405	.49728
SDev	.316	.248	.00325	.304	.00271	.00460	.00276
%RSD	.91265	.63587	.66402	.81200	.54982	.94966	.55421
#1	34.383	38.901	.48714	37.189	.49041	.48080	.49533
#2	34.830	39.253	.49174	37.619	.49424	.48730	.49923
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.51304	2.0534	.50042	2.1471	2.0721	.72636	.48971
SDev	.00161	.0192	.00239	.0081	.0039	.08166	.00334
%RSD	.31392	.93267	.47732	.37652	.18594	11.242	.68233

#1	.51191	2.0398	.49873	2.1414	2.0694	.66862	.48735
#2	.51418	2.0669	.50211	2.1528	2.0748	.78410	.49208
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0489	1.7799	.47642	1.0023	.47013	.0317
SDev	.0102	.0174	.00248	.0048	.00462	.0204
%RSD	.97718	.97543	.51972	.48265	.98218	64.26
#1	1.0416	1.7677	.47466	.99884	.46687	.0461
#2	1.0561	1.7922	.47817	1.0057	.47340	.0173
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506199-5 Operator: SW
Run Time: 06/30/05 13:43:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00270	.00221	.02757	.00950	.00102	.01301	.00793
SDev	.00243	.00092	.00569	.00435	.00024	.00082	.00001
%RSD	89.996	41.736	20.653	45.773	23.165	6.3446	.14005
#1	-.00098	.00286	.02354	.00642	.00085	.01242	.00792
#2	-.00442	.00156	.03160	.01257	.00119	.01359	.00794
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00009	448.78	-.00074	.00096	.00150	.00235	.02604
SDev	.00001	2.09	.00012	.00015	.00007	.00003	.00021
%RSD	15.886	.46607	15.442	15.709	4.7981	1.4893	.79717
#1	.00008	447.30	-.00083	.00085	.00156	.00238	.02619
#2	.00010	450.26	-.00066	.00106	.00145	.00233	.02590
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	13.145	91.934	.28166	C.00000	.00522	.00256	.00543
SDev	.000	.349	.00073	.00000	.00044	.00033	.00008
%RSD	.00193	.37977	.25856	.00000	8.3422	13.015	1.4654
#1	13.145	91.687	.28115	C.00000	.00491	.00233	.00538
#2	13.145	92.181	.28218	C.00000	.00552	.00280	.00549
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.07612	.00364	.00058	.01551	.01157	.13078	.00230
SDev	.00050	.00006	.00142	.00479	.00397	.00192	.00004
%RSD	.66101	1.7125	247.06	30.908	34.308	1.4640	1.7060
#1	.07576	.00359	.00158	.01212	.00876	.12943	.00233
#2	.07647	.00368	-.00043	.01890	.01437	.13213	.00227
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38959	11.019	.00342	.02003	4.3116	.0984
SDev	.00068	.010	.00039	.00024	.0031	.0000
%RSD	.17442	.08703	11.514	1.2013	.07257	.0213
#1	.38911	11.013	.00314	.02020	4.3138	.0984
#2	.39007	11.026	.00369	.01986	4.3093	.0984
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506200-13 Operator: SW
Run Time: 06/30/05 13:45:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00124	.00033	.01023	-.00383	.00084	.01364	.00751
SDev	.00241	.00024	.00621	.00165	.00001	.00084	.00002
%RSD	194.94	75.047	60.673	42.987	1.0731	6.1607	.29544
#1	-.00294	.00050	.00584	-.00266	.00083	.01304	.00750
#2	.00047	.00015	.01462	-.00499	.00084	.01423	.00753
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00002	271.53	-.00082	.00070	.00095	.00122	.01824
SDev	.00000	.43	.00001	.00006	.00001	.00033	.00864
%RSD	.47858	.15732	.88365	8.5657	1.4531	27.035	47.332
#1	.00002	271.22	-.00082	.00066	.00096	.00098	.01214
#2	.00002	271.83	-.00083	.00074	.00094	.00145	.02435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.8520	65.804	.00093	C.00000	.00153	-.00005	.00228
SDev	.0007	.131	.00011	.00000	.00004	.00252	.00040
%RSD	.02429	.19943	12.296	.00000	2.7545	5396.0	17.688
#1	2.8515	65.712	.00101	C.00000	.00156	.00173	.00200
#2	2.8525	65.897	.00085	C.00000	.00150	-.00183	.00257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00618	.00292	-.00019	.00085	.01097	.09160	.00153
SDev	.00015	.00105	.00064	.00097	.00151	.00167	.00023
%RSD	2.4491	35.909	330.13	113.59	13.750	1.8216	14.895
#1	.00628	.00366	-.00065	.00017	.00990	.09278	.00137
#2	.00607	.00218	.00026	.00154	.01203	.09042	.00169
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39241	9.8950	.00408	.00138	2.4006	.0517
SDev	.00183	.0241	.00063	.00012	.0042	.0050
%RSD	.46720	.24369	15.446	8.8299	.17598	9.613
#1	.39111	9.8779	.00452	.00130	2.3976	.0482
#2	.39371	9.9120	.00363	.00147	2.4036	.0553
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-10 Operator: SW
Run Time: 06/30/05 13:47:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.10466	.10682	.02078	-.00546	.00110	.02838	.26267
SDev	.00137	.00060	.00716	.00116	.00006	.00058	.00085
%RSD	1.3107	.55929	34.462	21.211	5.6871	2.0308	.32499
#1	.10369	.10724	.01571	-.00464	.00105	.02879	.26207
#2	.10563	.10640	.02584	-.00628	.00114	.02797	.26327
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00008	458.36	-.00070	.00083	.00125	.00334	.72035
SDev	.00000	1.49	.00001	.00012	.00002	.00013	.00058
%RSD	.02337	.32461	1.7172	14.562	1.8059	3.7443	.08003
#1	.00008	457.31	-.00071	.00075	.00124	.00325	.71994
#2	.00008	459.41	-.00069	.00092	.00127	.00343	.72075
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	53.948	165.90	.83686	C.00000	.00541	-.00303	.00092
SDev	.168	.34	.00241	.00000	.00008	.00050	.00008
%RSD	.31143	.20282	.28755	.00000	1.5547	16.552	8.7698
#1	53.829	165.66	.83516	C.00000	.00546	-.00268	.00086
#2	54.067	166.14	.83856	C.00000	.00535	-.00339	.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02658	.02999	.10610	.00328	.00913	.89144	.00269
SDev	.00015	.00064	.00006	.00161	.00483	.02064	.00002
%RSD	.56760	2.1211	.05498	49.182	52.924	2.3152	.54163
#1	.02647	.03044	.10606	.00214	.00572	.87684	.00270
#2	.02669	.02954	.10614	.00442	.01255	.90603	.00268
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6848	17.570	.00824	.00172	8.6503	.0335
SDev	.0094	.042	.00036	.00012	.0251	.0028
%RSD	.34911	.24108	4.3408	6.9507	.28980	8.305
#1	2.6782	17.540	.00849	.00163	8.6325	.0354
#2	2.6914	17.600	.00799	.00180	8.6680	.0315
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-11 Operator: SW
Run Time: 06/30/05 13:49:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00146	.00362	.02697	-.00623	.00084	.01667	1.1583
SDev	.00086	.00140	.00014	.00431	.00007	.00048	.0040
%RSD	59.057	38.525	.49904	69.215	8.2495	2.8565	.34251
#1	.00207	.00264	.02688	-.00318	.00079	.01634	1.1555
#2	.00085	.00461	.02707	-.00928	.00089	.01701	1.1611
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00011	189.04	-.00094	.00126	-.00002	.00030	.36259
SDev	.00001	.63	.00002	.00003	.00006	.00013	.00275
%RSD	6.1814	.33178	1.8965	2.4858	290.48	42.007	.75961
#1	-.00011	188.60	-.00095	.00124	.00002	.00039	.36064
#2	-.00012	189.48	-.00092	.00128	-.00007	.00021	.36454
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	H106.31	188.76	.00879	C.00000	.00854	-.00146	.00075
SDev	.25	.82	.00113	.00000	.00017	.00050	.00016
%RSD	.23429	.43375	12.825	.00000	1.9720	34.340	21.341
#1	H106.14	188.18	.00959	C.00000	.00842	-.00182	.00064
#2	H106.49	189.34	.00799	C.00000	.00866	-.00111	.00087
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00611	.03093	.00290	.00483	.01408	.95823	.00162
SDev	.00045	.00075	.00064	.00283	.00348	.01425	.00003
%RSD	7.4074	2.4165	22.196	58.616	24.717	1.4871	1.5683
#1	.00643	.03146	.00245	.00683	.01162	.96831	.00164
#2	.00579	.03040	.00336	.00283	.01654	.94816	.00160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1710	25.072	.00421	.00537	8.2406	.0212
SDev	.0038	.091	.00067	.00024	.0206	.0040
%RSD	.17310	.36166	15.937	4.4540	.24988	18.75
#1	2.1683	25.008	.00374	.00554	8.2260	.0184
#2	2.1736	25.136	.00468	.00520	8.2551	.0241
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506218-14 Operator: SW
Run Time: 06/30/05 13:51:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	-.00077	-.00075	.01317	-.00615	.00098	.02561	.00089
SDev	.00014	.00028	.01137	.00333	.00038	.00162	.00087
%RSD	18.371	37.229	86.313	54.144	38.900	6.3312	97.289
#1	-.00087	-.00094	.00513	-.00380	.00125	.02676	.00151
#2	-.00067	-.00055	.02121	-.00851	.00071	.02447	.00028
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00017	.25776	-.00065	.00061	.00037	.00080	.04733
SDev	.00000	.09649	.00002	.00036	.00024	.00019	.00066
%RSD	.06240	37.434	3.7136	58.792	64.892	23.319	1.4023
#1	-.00017	.32599	-.00063	.00087	.00054	.00093	.04780
#2	-.00017	.18954	-.00067	.00036	.00020	.00067	.04686
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.18568	.15386	.00120	2.4532	.00059	.00061	.00028
SDev	.04280	.11827	.00001	1.9906	.00100	.00624	.00048
%RSD	23.049	76.869	.68143	81.142	168.18	1027.9	169.71
#1	.21594	.23749	.00121	3.8608	.00130	.00502	.00063
#2	.15541	.07023	.00120	1.0457	-.00011	-.00381	-.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00284	.00181	-.00075	.00028	.00939	.00516	.00071
SDev	.00015	.00114	.00023	.00156	.00233	.00646	.00006
%RSD	5.3077	63.171	30.798	552.98	24.870	125.27	7.8673
#1	.00295	.00261	-.00092	-.00082	.00774	.00973	.00075
#2	.00273	.00100	-.00059	.00139	.01104	.00059	.00067
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01317	.03626	.00379	.00137	.00664	.0205
SDev	.00301	.01609	.00063	.00036	.00532	.0085
%RSD	22.826	44.380	16.658	26.092	80.095	41.50

#1	.01530	.04764	.00424	.00112	.01040	.0265
#2	.01104	.02488	.00335	.00162	.00288	.0145

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 06/30/05 13:55:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48304	.49163	.50446	.49252	.48833	51.974	.47132
SDev	.00162	.00271	.00789	.00058	.00115	.060	.00036
%RSD	.33635	.55158	1.5645	.11713	.23620	.11461	.07652
#1	.48419	.48971	.51004	.49292	.48752	51.932	.47107
#2	.48189	.49354	.49888	.49211	.48915	52.016	.47158
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.49763	52.430	.48993	.48962	.48497	.49704	20.782
SDev	.00166	.259	.00261	.00221	.00227	.00021	.087
%RSD	.33334	.49312	.53177	.45125	.46764	.04202	.41750
#1	.49646	52.247	.48809	.48806	.48337	.49689	20.721
#2	.49880	52.612	.49177	.49118	.48658	.49719	20.844
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.000	51.527	.48695	20.763	.48532	.47330	.49353
SDev	.010	.201	.00144	.010	.00328	.00396	.00196
%RSD	.05146	.39047	.29601	.04944	.67671	.83638	.39688
#1	19.992	51.385	.48593	20.770	.48299	.47050	.49214
#2	20.007	51.669	.48797	20.756	.48764	.47610	.49491
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49521	.48516	.48877	.49649	.51028	.70342	.48709
SDev	.00318	.00649	.00127	.00301	.00022	.00820	.00113
%RSD	.64262	1.3384	.25936	.60683	.04329	1.1654	.23269
#1	.49296	.48057	.48787	.49862	.51013	.70922	.48629
#2	.49746	.48975	.48966	.49436	.51044	.69763	.48789
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99372	.25252	.48695	.49664	.48940	9.813
SDev	.00339	.00049	.00054	.00472	.00034	.023
%RSD	.34091	.19462	.11130	.94967	.06975	.2363
#1	.99133	.25217	.48656	.49330	.48916	9.796
#2	.99612	.25287	.48733	.49997	.48964	9.829
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 06/30/05 14:05:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00133	-.00010	.00873	-.00222	.00071	.01879	-.00001
SDev	.00135	.00002	.00213	.00168	.00025	.00099	.00004
%RSD	101.84	15.358	24.457	75.856	35.355	5.2490	492.46
#1	.00228	-.00011	.00722	-.00341	.00053	.01809	-.00004
#2	.00037	-.00009	.01023	-.00103	.00088	.01949	.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00021	.03016	-.00043	.00036	-.00036	.00026	.01080
SDev	.00001	.00097	.00005	.00030	.00009	.00004	.00058
%RSD	3.2749	3.2091	12.551	84.363	25.530	15.732	5.3307
#1	-.00021	.02947	-.00047	.00014	-.00043	.00023	.01121
#2	-.00020	.03084	-.00040	.00057	-.00030	.00029	.01039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.40710	.00698	.00022	.15891	.00004	-.00207	-.00018
SDev	.00871	.00324	.00004	.00491	.00004	.00057	.00017
%RSD	2.1397	46.379	18.019	3.0900	113.71	27.521	93.955
#1	-.41326	.00469	.00019	.15544	.00007	-.00167	-.00029
#2	-.40094	.00927	.00025	.16238	.00001	-.00248	-.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00014	.00214	.00038	.00143	.00305	-.00142	.00031
SDev	.00005	.00167	.00044	.00183	.00210	.00155	.00002
%RSD	36.343	77.737	117.28	128.51	68.832	109.10	5.2951
#1	.00017	.00096	.00069	.00013	.00453	-.00252	.00030
#2	.00010	.00332	.00006	.00272	.00156	-.00032	.00033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00235	-.00051	.00251	.00026	.00037	.0102
SDev	.00008	.00016	.00149	.00049	.00003	.0141
%RSD	3.3156	31.567	59.373	185.65	8.2333	137.4
#1	.00240	-.00062	.00146	-.00008	.00035	.0003
#2	.00229	-.00040	.00357	.00061	.00039	.0202
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: CRI Operator: SW
Run Time: 06/30/05 14:27:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00769	.00533	.02050	.00715	.02121	.36308	.43172
SDev	.00096	.00328	.01041	.00008	.00098	.00396	.00045
%RSD	12.510	61.474	50.772	1.0917	4.6448	1.0920	.10458
#1	.00837	.00301	.02786	.00721	.02052	.36027	.43140
#2	.00701	.00764	.01314	.00710	.02191	.36588	.43204
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01063	8.7889	.00997	.10239	.02165	.05324	.19293
SDev	.00005	.0474	.00050	.00079	.00064	.00003	.01084
%RSD	.46150	.53941	5.0318	.77193	2.9711	.04764	5.6188
#1	.01060	8.7554	.00962	.10183	.02119	.05325	.18526
#2	.01067	8.8225	.01033	.10295	.02210	.05322	.20059
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.5677	8.9520	.03156	8.3107	.08458	.12976	.10350
SDev	.0062	.0424	.00014	.0039	.00110	.00394	.00074
%RSD	.07281	.47411	.44817	.04682	1.2964	3.0348	.71590
#1	8.5633	8.9220	.03146	8.3134	.08381	.12698	.10297
#2	8.5721	8.9820	.03166	8.3079	.08536	.13255	.10402
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04287	.01282	.00611	.01160	.01969	.02886	.02117
SDev	.00077	.00121	.00186	.00352	.00139	.00177	.00014
%RSD	1.7897	9.4394	30.501	30.335	7.0385	6.1146	.66402
#1	.04232	.01197	.00479	.01409	.02067	.03011	.02107
#2	.04341	.01368	.00743	.00911	.01871	.02761	.02127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20563	.09932	.10056	.02370	.02166	.2059
SDev	.00091	.00056	.00200	.00114	.00007	.0304
%RSD	.44321	.56364	1.9861	4.8052	.33608	14.77
#1	.20499	.09892	.09915	.02450	.02161	.1844
#2	.20628	.09971	.10198	.02289	.02171	.2274
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: ICSA Operator: SW
Run Time: 06/30/05 14:29:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.04410	.03113	.01735	-.00597	.00053	473.24	.00171
SDev	.00393	.00749	.00321	.00397	.00086	1.00	.00010
%RSD	8.9102	24.049	18.479	66.447	162.72	.21145	5.8479
#1	-.04132	.02584	.01508	-.00316	-.00008	472.54	.00178
#2	-.04688	.03643	.01962	-.00877	.00114	473.95	.00164
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00140	480.40	.00380	.00259	-.00047	-.00093	200.99
SDev	.00002	5.56	.00036	.00151	.00035	.00009	1.27
%RSD	1.1696	1.1568	9.3479	58.388	74.711	9.6958	.63394
#1	.00138	476.47	.00355	.00152	-.00073	-.00087	200.09
#2	.00141	484.33	.00406	.00366	-.00022	-.00100	201.89
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.40947	472.16	.00825	.12868	.00271	-.00400	.00347
SDev	.02168	4.58	.00018	.00605	.00021	.00500	.00038
%RSD	5.2945	.97087	2.1733	4.7052	7.6532	125.05	10.985
#1	-.42480	468.92	.00813	.13296	.00256	-.00046	.00320
#2	-.39414	475.40	.00838	.12440	.00285	-.00754	.00374
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01180	.00143	Q.00608	.00180	.00386	-.00215	.00291
SDev	.00026	.00782	.00368	.00158	.00468	.00258	.00000
%RSD	2.1676	545.28	60.616	87.818	121.32	120.08	.06011
#1	.01162	-.00410	.00347	.00291	.00717	-.00398	.00291
#2	.01198	.00697	Q.00869	.00068	.00055	-.00032	.00291
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000	.00000		.00000
Range	.04000	.02000	.00600	.01000	.02000		.04000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00142	.00166	.00218	-.00035	.00805	.0216
SDev	.00067	.00050	.00039	.00231	.00002	.0203
%RSD	46.845	30.051	17.762	661.75	.24422	94.13
#1	.00095	.00201	.00191	-.00198	.00803	.0072
#2	.00190	.00130	.00245	.00128	.00806	.0359
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.00000	.00000	.00000	.00000	.00000	
Range	.20000	.10000	.10000	.02000	.02000	

Method: 30EL Sample Name: ICSAB Operator: SW
Run Time: 06/30/05 14:30:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00766	.08177	.04319	.04124	.21073	480.80	.49036
SDev	.00621	.00812	.01285	.00387	.00032	1.78	.00173
%RSD	81.100	9.9269	29.743	9.3953	.15307	.36924	.35273
#1	-.01205	.08751	.03410	.04397	.21096	482.05	.49159
#2	-.00327	.07603	.05227	.03850	.21050	479.54	.48914
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.45978	493.05	.87666	.44448	.43659	.51166	204.72
SDev	.00098	1.92	.00112	.00210	.00009	.00206	.33
%RSD	.21270	.39034	.12790	.47189	.02057	.40248	.16062
#1	.45909	491.69	.87587	.44300	.43665	.51311	204.49
#2	.46048	494.41	.87745	.44597	.43652	.51020	204.95
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.38096	480.85	.45790	.13185	.88267	.56324	.46169
SDev	.02134	.81	.00027	.00055	.00138	.00366	.00037
%RSD	5.6021	.16947	.05918	.41997	.15637	.64934	.08060
#1	-.39606	480.27	.45770	.13225	.88169	.56583	.46142
#2	-.36587	481.42	.45809	.13146	.88364	.56065	.46195
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.85445	.08946	.05199	.04189	.09462	1.3607	.94317
SDev	.00400	.00309	.00334	.00169	.00459	.0670	.00079
%RSD	.46872	3.4511	6.4347	4.0429	4.8495	4.9204	.08355
#1	.85162	.08727	.05436	.04069	.09138	1.3134	.94373
#2	.85728	.09164	.04962	.04308	.09787	1.4081	.94261
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000		1.0000
Range	20.000	20.000	20.000	20.000	20.000		20.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99479	.89642	.93360	.96077	.98879	10.10
SDev	.00098	.00130	.00133	.00374	.00302	.05
%RSD	.09832	.14509	.14289	.38953	.30540	.4629
#1	.99410	.89734	.93454	.95812	.99093	10.14
#2	.99549	.89550	.93265	.96341	.98666	10.07
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	10.00
Range	20.000	20.000	20.000	20.000	20.000	20.00

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 06/30/05 14:32:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48378	.48294	.50126	.49161	.50331	49.258	.50119
SDev	.00286	.00717	.00634	.00818	.00014	.215	.00213
%RSD	.59173	1.4854	1.2658	1.6639	.02680	.43658	.42491
#1	.48580	.47786	.50575	.48583	.50322	49.410	.50269
#2	.48176	.48801	.49677	.49740	.50341	49.106	.49968
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48626	49.246	.47201	.47946	.47636	.49037	20.305
SDev	.00161	.235	.00256	.00058	.00123	.00204	.094
%RSD	.33092	.47710	.54294	.12073	.25776	.41606	.46150
#1	.48512	49.080	.47020	.47905	.47550	.49181	20.239
#2	.48740	49.412	.47382	.47987	.47723	.48892	20.371
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.853	48.182	.48318	19.236	.48347	.48193	.47981
SDev	.090	.110	.00159	.096	.00062	.00577	.00037
%RSD	.45277	.22913	.32813	.49905	.12798	1.1976	.07701
#1	19.917	48.104	.48206	19.303	.48304	.47785	.48007
#2	19.789	48.260	.48430	19.168	.48391	.48601	.47955
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.46309	.47858	.48322	.49483	.48635	.64138	.48434
SDev	.00488	.00174	.00383	.00334	.00287	.03493	.00013
%RSD	1.0548	.36374	.79290	.67567	.59026	5.4458	.02578
#1	.45964	.47735	.48051	.49246	.48838	.66608	.48443
#2	.46655	.47981	.48593	.49719	.48432	.61668	.48425
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0069	.25661	.48191	.49815	.51397	9.697
SDev	.0012	.00013	.00283	.00172	.00166	.025
%RSD	.11656	.05229	.58684	.34543	.32360	.2610
#1	1.0061	.25652	.47991	.49693	.51514	9.715
#2	1.0077	.25671	.48391	.49937	.51279	9.679
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 06/30/05 14:36:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00216	-.00068	.00441	.00006	.00069	.03761	.00006
SDev	.00117	.00042	.00003	.00790	.00026	.00034	.00002
%RSD	54.162	61.143	.63580	13340.	38.009	.89467	38.488
#1	.00134	-.00097	.00439	-.00553	.00088	.03784	.00008
#2	.00299	-.00039	.00443	.00565	.00051	.03737	.00005
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00010	.04607	-.00028	.00018	.00037	.00077	.02820
SDev	.00000	.00009	.00012	.00061	.00015	.00012	.00324
%RSD	.02063	.18468	42.027	336.14	41.904	15.791	11.486
#1	.00010	.04601	-.00037	.00062	.00026	.00086	.03049
#2	.00010	.04613	-.00020	-.00025	.00047	.00069	.02591
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.30610	.02492	.00039	.11789	.00033	-.00255	.00002
SDev	.00525	.00078	.00003	.00014	.00003	.00223	.00009
%RSD	1.7157	3.1361	7.3655	.12071	10.481	87.311	357.03
#1	-.30981	.02547	.00041	.11799	.00036	-.00098	-.00004
#2	-.30239	.02437	.00037	.11779	.00031	-.00413	.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00032	.00058	.00027	.00151	-.00145	-.00160	.00032
SDev	.00038	.00240	.00067	.00528	.00171	.00129	.00004
%RSD	119.29	415.63	250.12	350.21	118.08	80.560	13.385
#1	.00005	.00227	-.00021	-.00223	-.00024	-.00069	.00035
#2	.00059	-.00112	.00074	H.00524	-.00266	-.00252	.00029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00199	.00047	.00299	.00138	.00040	.0151
SDev	.00008	.00015	.00134	.00130	.00000	.0075
%RSD	4.0926	31.602	44.880	94.151	.00000	49.73
#1	.00204	.00057	.00204	.00229	.00040	.0205
#2	.00193	.00036	.00394	.00046	.00040	.0098
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 06/30/05 16:25:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48569	.47879	.50285	.49963	.50381	49.396	.49968
SDev	.00163	.00641	.00071	.00250	.00131	.120	.00160
%RSD	.33547	1.3386	.14153	.49961	.25956	.24325	.31962
#1	.48684	.47426	.50335	.50139	.50288	49.311	.49855
#2	.48453	.48332	.50235	.49786	.50473	49.481	.50081
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48590	49.076	.47052	.47904	.47821	.49067	20.375
SDev	.00158	.174	.00095	.00231	.00192	.00133	.036
%RSD	.32423	.35500	.20144	.48248	.40136	.27023	.17864
#1	.48478	48.953	.46985	.47741	.47685	.48973	20.349
#2	.48701	49.199	.47119	.48067	.47957	.49160	20.401
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.056	48.268	.48422	19.433	.48129	.47824	.47936
SDev	.056	.164	.00167	.057	.00227	.00436	.00169
%RSD	.27860	.33953	.34468	.29196	.47146	.91127	.35197
#1	20.017	48.152	.48304	19.393	.47968	.47516	.47817
#2	20.096	48.384	.48540	19.473	.48289	.48132	.48055
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.46736	.47851	.48109	.50070	.48691	.65228	.48564
SDev	.00295	.00089	.00373	.00190	.00152	.02772	.00156
%RSD	.63188	.18498	.77583	.37985	.31164	4.2503	.32118
#1	.46528	.47788	.47845	.50204	.48584	.67188	.48454
#2	.46945	.47914	.48373	.49935	.48798	.63268	.48674
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0039	.25217	.48546	.49015	.51169	9.555
SDev	.0036	.00123	.00406	.00376	.00177	.043
%RSD	.35722	.48824	.83547	.76784	.34532	.4520
#1	1.0014	.25304	.48259	.48749	.51044	9.524
#2	1.0065	.25130	.48833	.49281	.51294	9.585
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 06/30/05 16:27:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00393	-.00117	.01346	-.00176	.00098	.04269	.00027
SDev	.00163	.00181	.00515	.00121	.00027	.01794	.00020
%RSD	41.512	154.03	38.247	68.653	27.210	42.010	72.610
#1	.00508	-.00245	.00982	-.00091	.00079	.05538	.00041
#2	.00277	.00010	.01710	-.00262	.00117	.03001	.00013
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00045	.05007	-.00006	.00052	.00146	.00127	.03265
SDev	.00023	.01675	.00001	.00043	.00015	.00041	.00773
%RSD	51.194	33.451	21.567	83.893	10.330	31.962	23.662
#1	.00061	.06192	-.00005	.00082	.00156	.00156	.03812
#2	.00029	.03823	-.00007	.00021	.00135	.00099	.02719
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.26333	.03377	.00054	.10821	.00009	.00151	.00036
SDev	.00271	.01677	.00017	.00668	.00082	.00501	.00001
%RSD	1.0295	49.648	32.462	6.1776	886.63	331.07	1.4365
#1	-.26525	.04562	.00066	.11294	-.00049	-.00203	.00037
#2	-.26142	.02191	.00041	.10348	.00067	.00506	.00036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00050	.00052	.00053	.00331	.00261	.00026	.00087
SDev	.00064	.00617	.00066	.00091	.00285	.00186	.00026
%RSD	127.43	1183.8	125.90	27.427	109.49	721.56	29.206
#1	.00095	-.00384	.00006	.00267	.00462	.00157	.00105
#2	.00005	.00488	.00099	.00395	.00059	-.00106	.00069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00314	.00132	.00211	.00494	.00058	.0234
SDev	.00016	.00101	.00105	.00172	.00025	.0038
%RSD	5.1845	75.971	49.797	34.909	43.194	16.23
#1	.00325	.00203	.00286	.00615	.00075	.0207
#2	.00302	.00061	.00137	.00372	.00040	.0261
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T50708A

SW

STANDARD SOLUTION CODES

MIX A High Standard (ST050601-4) exp 08/21/05

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Na,K	100

The following dilutions of MIX A high standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX A (1/2)	1/2	5ml MIX A high standard diluted to 10ml final volume
MIX A (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX A (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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MIX B High Standard -- made fresh daily as described below

4.0ml Intermediate Mix (ST050523-14) exp 08/21/05
0.04ml 1000ug/ml Ag (ST040602-37) exp 08/21/05
brought to a final volume of 20ml. The resulting concentrations are:

Element	Concentration (ug/ml)
Ag,Sb	2
Ba,Be,Cd,Co,Cu	10
Cr,Mn,Ni,V,Zn	10
As,Pb,Se,Tl	10

The following dilutions of the MIX B high standard were made to provide additional calibration standards.

Standard	Dilution	Procedure
MIX B (1/10)	1/10	1ml of MIX B high standard to 10ml final volume
MIX B (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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MIX C High Standard (ST040812-13) exp 08/21/05

Element	ug/ml
U,Si	50

Li,Mo,Ti	10
Sr,Sn,B	10

The following dilutions of MIX C High standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX C (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX C (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

Reporting Limit Standard (RL STD) -- made fresh daily as described below

0.1ml Intermediate RL STD MIX 1 (ST050523-15) exp 8/21/05
0.1ml Intermediate RL STD MIX 2 (ST050601-6) exp 8/21/05
0.05ml Non-TAL Intermediate (ST040812-11) exp 8/21/05

brought to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Ca,Mg,Na,K	0.5
Al,Fe,B,U	0.1
Si,Sn	0.05
Li,Mo,Ti,Sr	0.01
Sb	0.008
Ni,Zn,As,Se,Tl	0.005
Pb	0.003
Ba,Cr,Co,Cu	0.002
Mn,Ag,V	0.002
Be,Cd	0.001

ICSA (preparation date: 07/05/05)
Made by diluting:
10ml (ST050505-12) exp 09/15/06
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200

ICSAB (prepraration date: 06/30/05)
Made by diluting:
10ml (ST050505-12) exp 09/15/06
1.0ml (ST040525-42) exp 11/13/05
1.0ml Non-TAL ICSAB Int. (ST040812-15) exp 08/21/05
1.0ml of 1000ug/ml U (ST040301-3) exp 09/30/05

to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200
U	10.0
Cd,Ni,Zn,Li,Sn	1.0
Mo,Si,Ti,Sr,B	1.0
Sb	0.6
Ba,Be,Co,Cr	0.5
Cu,Mn,V	0.5
Ag	0.2
As,Tl	0.1
Pb,Se	0.05

CCV (check standard) -- preparation date: 07/08/05
made by diluting:
0.5ml IV-7 (ST050601-3) exp 06/01/06
0.5ml IV-19 (ST050601-5) exp 06/01/06
5.0ml Major Element 2nd source (ST050601-7) exp 11/07/05
0.5ml Non-TAL CCV Int. (ST040812-14) exp 11/07/05
0.1ml of 10000ug/ml U (ST050209-2) exp 03/01/06

to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	50.5
Fe,Na	20.5
K	20.0
U	10.0
B	1.0
Ba,Be,Cd,Co,Cr,Li	0.5
Cu,Mn,Ni,Sb,V,Zn	0.5
As,Pb,Se,Tl,Mo,Ti	0.5
Ag,Sr,Sn	0.5
Si	0.25

ICV (initial calibration check standard)
Prepared by diluting CCV (described above) 1/2. The 1/2 dilution was made by diluting 5ml of CCV to 10ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	25.25
Fe,Na	10.25
K	10.0
U	5.0
B	0.5
Ba,Be,Cd,Co,Cr,Li	0.25
Cu,Mn,Ni,Sb,V,Zn	0.25

As,Pb,Se,Tl,Mo,Ti	0.25
Ag,Sr,Sn	0.25
Si	0.125

CRI (preparation date: 07/06/05)
Made by diluting:
1.0ml intermediate solution 1 (ST040602-4) exp 11/07/05
1.0ml intermediate solution 2 (ST040602-5) exp 11/07/05
1.0ml intermediate solution 3 (ST040602-6) exp 11/07/05
0.5ml 2000ug/ml Ca,Mg,Na,K (ST040601-4) exp 11/07/05
0.1ml Non-TAL Int. (ST040812-11) exp 08/21/05

to 100ml final volume.

Element	ug/ml
Ca,Mg,Na,K	10.0
Si,Sn	0.1
Fe,U,B	0.2
Al,Ba	0.4
Tl,Cr,Ag,Li,Mo	0.02
Ti,Sr	0.02
Be,Cd,Se,As	0.01
Co,V	0.1
Cu	0.05
Pb	0.006
Mn	0.03
Ni	0.08
Zn	0.04
Sb	0.12

BLANK (used for CCB) 5%HNO3,2.5%HCL in double deionized water

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Acid Lot Numbers

HNO3 -- B01041
HCl -- A52026

Pipet ID Numbers

1.0 to 5.0ml M-55
0.1 to 1.0ml M-61
0.01 to 0.1ml M-57

Date of Multi-point calibration: 07/08/05

Interelement Interference Information

The following table summarizes spectral interferences which have been identified and for which IEC's are used. If a sample contains a concentration of an interfering element which exceeds the upper analytical range and an affected element is being determined, it is necessary to dilute the sample to bring the interfering element into the analytical range.

Interfering Element (and upper analytical range in ug/ml)	Affected Elements
Al (500)	Pb,Se
Fe (200)	Cd,Pb,Se,Tl
Ca (500)	Pb
Mg (500)	Pb
Ba (10)	Co
Co (10)	Al,Ni,Fe,Pb,Tl
Cr (10)	As,Sb
Mn (10)	Tl,Pb,Se
Ni (10)	Pb,Al
V (10)	Al,Be,Fe,Tl
U (50)	Al,Cr,Fe,Pb,Tl,Sn,Mo,Ag,Cu,V,Ti
Mo (10)	Sb,V,As,Pb,Sb,Co
Ti (10)	Co,Tl,Sn,Zn,Sb
Sn (10)	Se,Si

The following table lists element concentrations (ug/ml) for which no significant spectral interferences have been observed.

Element	Concentration	Element	Concentration
Pb	100	As	10
Ag	10	Tl	10
Cd	10	Se	10
Be	10	Na	500
Cu	100	K	500
Sb	10		
Zn	100		

Dilutions

5X dilutions made by diluting 1ml of sample to 5ml final volume.

2X dilutions made by diluting 5ml of sample to 10ml final volume.

3X dilutions made by diluting 2ml of sample to 6ml final volume.

10X dilutions made by diluting 1ml of sample to 10ml final volume.

25X dilutions made by diluting 0.2ml of sample to 5ml final volume.

50X dilutions made by diluting 0.1ml of sample to 5ml final volume.

200X dilutions made by diluting 0.05ml of sample to 10ml final volume.

100X dilutions made by diluting 0.1ml of sample to 10ml final volume.

500X dilutions made by diluting 0.02ml of sample to 10ml final volume.

ANALYTICAL SPIKES

0507008-1A post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Fe 1.0

0.05ml of "IV-19 Spike" (ST050601-5) brought to 5ml final volume with digestate.

0506231-1A post spiked for the following element(s) at the listed concentration (ug/ml in digestate).

Ca 101.0 Cu 1.0 Sb 1.0 Pb 1.0

0.05ml of 10000ug/ml Ca (ST050620-7)
0.05ml of "IV-19 Spike" (ST050601-5) brought to 5ml final volume with digestate.

COMMENTS

1. Please see run log and workorders for elements of interest.

ICP REVIEWER COMMENTS

Daily Maintenance Items

1. Check/Change pump tubing
2. Check/Empty drain container
3. Check and record As profile
4. Record As,Se signal:background ratios

Daily Maintenance Performed SW

Monthly Maintenance Items

1. Check/Clean torch for deposits
2. Check/Clean nebulizer and spray chamber
3. Fill water recirculating reservoir
4. Clean air filters
5. Check/Fill vacuum pump oil

Monthly Maintenance Performed on 06/09/05 (SW)

Multi-point Calibrations performed at beginning of sequence
Blank; RL STD; MixA: High, 1/2, 1/10, 1/100; MixB: High, 1/10, 1/100; MixC: High, 1/10, 1/100

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	MIXCHIGH	T	30EL	07/08/05	09:56	SW	Q	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
2	MIXBHIGH	T	30EL	07/08/05	09:57	SW	Q	CONC
3	MIXAHIGH	T	30EL	07/08/05	09:59	SW	Q	CONC
4	ICV	T	30EL	07/08/05	10:06	SW	Q	CONC
5	ICB	T	30EL	07/08/05	10:09	SW	B	CONC
6	CRI	T	30EL	07/08/05	10:11	SW	S	CONC
7	ICSA	T	30EL	07/08/05	10:13	SW	Q	CONC
8	ICSAB	T	30EL	07/08/05	10:15	SW	Q	CONC
9	CCV	T	30EL	07/08/05	10:19	SW	Q	CONC
10	CCB	T	30EL	07/08/05	10:24	SW	B	CONC
11	IP050707-2MB Be	T	30EL	07/08/05	10:26	SW	S	CONC
12	IP050707-2LCS	T	30EL	07/08/05	10:28	SW	S	CONC
13	IP050707-2LCSD	T	30EL	07/08/05	10:30	SW	S	CONC
14	0507031-1	T	30EL	07/08/05	10:32	SW	S	CONC
15	0507031-2	T	30EL	07/08/05	10:34	SW	S	CONC
16	0507031-3	T	30EL	07/08/05	10:36	SW	S	CONC
17	0507031-4	T	30EL	07/08/05	10:38	SW	S	CONC
18	0507031-5	T	30EL	07/08/05	10:40	SW	S	CONC
19	0507031-6	T	30EL	07/08/05	10:42	SW	S	CONC
20	IP050707-3MB	T	30EL	07/08/05	10:46	SW	S	CONC
21	CCV	T	30EL	07/08/05	10:48	SW	Q	CONC
22	CCB	T	30EL	07/08/05	10:52	SW	B	CONC
23	IP050707-3LCS	T	30EL	07/08/05	10:54	SW	S	CONC
24	0507008-1 Trace Zn + Mo, Sn	T	30EL	07/08/05	11:00	SW	S	CONC
25	0507008-1D	T	30EL	07/08/05	11:02	SW	S	CONC
26	0507008-1L 5X	T	30EL	07/08/05	11:04	SW	S	CONC
27	0507008-1MS	T	30EL	07/08/05	11:06	SW	S	CONC
28	0507008-1MSD	T	30EL	07/08/05	11:08	SW	S	CONC
29	0507008-2	T	30EL	07/08/05	11:12	SW	S	CONC
30	0507008-3	T	30EL	07/08/05	11:14	SW	S	CONC
31	0507008-4	T	30EL	07/08/05	11:16	SW	S	CONC
32	0507008-5	T	30EL	07/08/05	11:18	SW	S	CONC
33	CCV	T	30EL	07/08/05	11:20	SW	Q	CONC
34	CCB	T	30EL	07/08/05	11:22	SW	B	CONC
35	0507008-6	T	30EL	07/08/05	11:24	SW	S	CONC
36	0507008-7	T	30EL	07/08/05	11:26	SW	S	CONC
37	0507008-8	T	30EL	07/08/05	11:28	SW	S	CONC
38	0507010-5 Cd, Cr, Cu, Pb, Ni, Ag, Zn	T	30EL	07/08/05	11:30	SW	S	CONC
39	0507008-1A Fe	T	30EL	07/08/05	11:35	SW	S	CONC
40	EX050706-8MB	T	30EL	07/08/05	11:38	SW	S	CONC
41	EX050706-8LCS	T	30EL	07/08/05	11:40	SW	S	CONC
42	EX050706-8LCSD	T	30EL	07/08/05	11:42	SW	S	CONC
43	0506217-17 RCRA	T	30EL	07/08/05	11:45	SW	S	CONC
44	0506217-17D	T	30EL	07/08/05	11:47	SW	S	CONC
45	CCV	T	30EL	07/08/05	11:49	SW	Q	CONC
46	CCB	T	30EL	07/08/05	11:52	SW	B	CONC
47	0506217-17L 5X	T	30EL	07/08/05	11:54	SW	S	CONC
48	0506217-17MS	T	30EL	07/08/05	11:58	SW	S	CONC
49	0506217-17MSD	T	30EL	07/08/05	12:00	SW	S	CONC
50	0506265-20	T	30EL	07/08/05	12:04	SW	S	CONC
51	0506265-21	T	30EL	07/08/05	12:06	SW	S	CONC
52	0506265-22	T	30EL	07/08/05	12:08	SW	S	CONC
53	0506265-23	T	30EL	07/08/05	12:10	SW	S	CONC
54	IP050707-4MB	T	30EL	07/08/05	12:23	SW	S	CONC
55	IP050707-4LCS	T	30EL	07/08/05	12:25	SW	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
56	0506231-1 ①	T	30EL	07/08/05	12:27	SW	S	CONC
57	CCV	T	30EL	07/08/05	12:32	SW	Q	CONC
58	CCB	T	30EL	07/08/05	12:40	SW	B	CONC
59	0506231-1D	T	30EL	07/08/05	12:42	SW	S	CONC
60	0506231-1L 5X	T	30EL	07/08/05	12:44	SW	S	CONC
61	0506231-1MS mq 7/11/05		30EL	07/08/05	12:46	SW	S	CONC
62	0506231-1MSD	T	30EL	07/08/05	12:48	SW	S	CONC
63	0506231-2 ①	T	30EL	07/08/05	12:50	SW	S	CONC
64	0506231-3	T	30EL	07/08/05	12:52	SW	S	CONC
65	0506231-4	T	30EL	07/08/05	12:54	SW	S	CONC
66	0506231-5 ① - Cd, Pb	T	30EL	07/08/05	12:56	SW	S	CONC
67	0506231-6	T	30EL	07/08/05	12:58	SW	S	CONC
68	0506231-7 ①	T	30EL	07/08/05	13:00	SW	S	CONC
69	CCV	T	30EL	07/08/05	13:02	SW	Q	CONC
70	CCB	T	30EL	07/08/05	13:05	SW	B	CONC
71	0506231-8 ① - Cd, Pb	T	30EL	07/08/05	13:07	SW	S	CONC
72	0506231-9 ①	T	30EL	07/08/05	13:09	SW	S	CONC
73	0506231-10	T	30EL	07/08/05	13:11	SW	S	CONC
74	0506231-11	T	30EL	07/08/05	13:13	SW	S	CONC
75	0506231-12	T	30EL	07/08/05	13:15	SW	S	CONC
76	0507003-1 TAL	T	30EL	07/08/05	13:17	SW	S	CONC
77	0507003-3	T	30EL	07/08/05	13:19	SW	S	CONC
78	0507003-4	T	30EL	07/08/05	13:21	SW	S	CONC
79	0507003-5	T	30EL	07/08/05	13:23	SW	S	CONC
80	0507003-6	T	30EL	07/08/05	13:25	SW	S	CONC
81	CCV	T	30EL	07/08/05	13:27	SW	Q	CONC
82	CCB	T	30EL	07/08/05	13:31	SW	B	CONC
83	0507003-7 TAL - Cd, Pb, Se, Tl, fe	T	30EL	07/08/05	13:33	SW	S	CONC
84	0507003-8 TAL	T	30EL	07/08/05	13:35	SW	S	CONC
85	0506231-5 2X Cd, Pb	T	30EL	07/08/05	13:42	SW	S	CONC
86	0506231-6 2X	T mq 7/11/05	30EL	07/08/05	13:44	SW	S	CONC
87	0506231-8 2X	T	30EL	07/08/05	13:47	SW	S	CONC
88	0507003-7 2X Cd, Pb, Se, Tl, fe		30EL	07/08/05	13:50	SW	S	CONC
89	0506231-1A Ca, Cu, Sb, Pb		30EL	07/08/05	13:52	SW	S	CONC
90	CRI	T	30EL	07/08/05	13:55	SW	S	CONC
91	ICSA	T	30EL	07/08/05	13:57	SW	Q	CONC
92	ICSAB	T	30EL	07/08/05	14:00	SW	Q	CONC
93	CCV	T	30EL	07/08/05	14:19	SW	Q	CONC
94	CCB	T	30EL	07/08/05	14:23	SW	B	CONC

① = As, Cd, Pb, Zn

#	Element	MIXCHIGH	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI
1	Al	.26443	-.00358	504.50	25.340	.02674	.41566
2	Sb	-.02847	1.9902	.03062	.24863	.00141	.13189
3	As	-.00192	9.9699	.00906	.24136	-.00156	.00980
4	Ba	-.00011	9.9621	.00699	.24324	-.00003	.41728
5	Be	.00410	10.043	.00690	.25608	.00003	.01091
6	Cd	-.00201	9.9913	.00557	.24641	.00007	.01080
7	Ca	.10500	.05236	503.06	26.019	.02898	9.6943
8	Cr	.01085	9.9582	.00966	.24290	.00017	.02134
9	Co	.00323	9.9783	.00915	.24509	.00030	.10644
10	Cu	.00199	9.9855	.00962	.24662	-.00044	.05336
11	Fe	-.19402	-.00571	200.51	10.338	.00955	.20302
12	Pb	.00428	10.001	.00629	.24449	-.00035	.00629
13	Mg	-.28748	-.03629	501.98	25.873	-.01143	9.8463
14	Mn	.00655	9.9676	.01304	.24347	-.00019	.03234
15	Ni	.00499	10.012	.00843	.24087	-.00048	.08456
16	K_	.02641	.08168	100.18	9.8606	.00615	8.7461
17	Se	-.00787	10.004	.02059	.25837	.00383	.01228
18	Ag	.00690	1.9918	.01226	.24985	.00064	.02047
19	Na	.08818	.11595	100.11	10.226	.06959	8.9315
20	Tl	.02046	9.9652	-.00232	.25862	.00186	.02493
21	V_	.00159	9.9671	.00961	.24489	.00041	.10647
22	Zn	-.01992	9.9883	.02056	.24715	-.00045	.04752
23	Ti	10.002	.00794	.00434	.23905	.00020	.02081
24	B	10.045	.02837	.00464	.50137	.00245	.20492
25	Si	50.326	.05116	.01908	.12941	.00209	.10235
26	Sn	9.9600	.00614	.00635	.24461	.00142	.10084
27	Mo	10.009	.04952	.01054	.24784	.00171	.02303
28	Sr	10.008	.00501	.00705	.24366	-.00015	.02066
29	U	50.48	.0036	.0341	4.843	.0128	.2006

-0707 →

#	Element	ICSA	ICSAB	CCV	CCB	IPO'-2MB	IPO'2LCS
1	Al	471.44	466.88	51.045	.03620	.18953	.28900
2	Sb	.01133	.55254	.47853	-.00032	-.00650	-.00696
3	As	-.00259	.09396	.48099	.00115	.01125	.01259
4	Ba	.00159	.45498	.48177	-.00012	.00404	.21717
5	Be	.00105	.46686	.50405	-.00005	-.00014	.00523
6	Cd	-.00046	.88032	.48380	-.00013	.00012	.00526
7	Ca	513.27	508.00	52.353	.03704	.82349	.50704
8	Cr	-.00046	.42740	.47261	-.00002	.00904	.01461
9	Co	.00290	.43747	.47947	.00049	.00032	.05311
10	Cu	-.00164	.49556	.49082	-.00101	.01290	.06700
11	Fe	205.24	202.41	20.746	.00551	.25610	.32857
12	Pb	-.00217	.04415	.47863	-.00103	.00527	.00533
13	Mg	514.73	508.10	51.571	-.00042	.19325	.08331
14	Mn	.00769	.44297	.47564	-.00032	.00481	.02124
15	Ni	.00189	.84588	.47069	-.00063	.00408	.04976
16	K_	-.02991	-.06574	19.895	.03498	-.02562	-.03312
17	Se	.00160	.05049	.49998	.00367	-.00055	.00533
18	Ag	.00050	.20284	.50026	.00054	.00070	.00028
19	Na	.13224	.10453	20.793	.06889	3.1610	3.0801
20	Tl	-.00362	.09198	.50672	.00274	-.01598	-.00430

#	Element	ICSA	ICSAB	CCV	CCB	IPO'-2MB (-0767)	IPO'2LCS
21	V_	.00340	.45276	.48109	.00028	.00067	.05425
22	Zn	.03397	.87642	.48656	-.00032	.18663	.16838
23	Ti	.00254	.89285	.47010	-.00020	.00245	.00258
24	B	.00253	.96339	.99091	.00225	.01151	.01057
25	Si	.00281	.89243	.25217	.00061	.23042	.23737
26	Sn	.00295	.91852	.48001	.00039	.01722	.01545
27	Mo	.00013	.91945	.48600	.00071	.00300	.00289
28	Sr	.00741	.90192	.48188	-.00022	.00564	.00340
29	U	.0200	9.678	9.703	.0091	.0226	.0046

#	Element	IPO'LCSD (-0767)	050'31-1 (-031)	050'31-2	050'31-3	050'31-4	050'31-5
1	Al	.32036	25.633	7.3893	37.220	22.030	16.783
2	Sb	-.00601	.00729	.00823	.01089	.02108	.00847
3	As	.01434	.03315	.01884	.04056	.02621	.02500
4	Ba	.21902	.58941	.33552	1.0619	.81011	.49255
5	Be	.00528	.00254	.00052	.00388	.00163	.00162
6	Cd	.00558	.00128	.00087	.00007	.00228	.00094
7	Ca	.67098	59.527	19.500	47.729	73.070	50.487
8	Cr	.00646	.07218	.03484	.09054	.09053	.05231
9	Co	.05340	.02245	.00762	.03309	.01807	.01659
10	Cu	.03636	.24804	.16917	.26967	1.4791	.18739
11	Fe	.44320	53.814	15.312	77.411	49.593	33.361
12	Pb	.00589	.10303	.05393	.08586	.11542	.06649
13	Mg	.10506	9.9068	3.5894	11.723	10.103	7.0857
14	Mn	.02619	1.0360	.33634	1.3639	1.0205	.78175
15	Ni	.04691	.05567	.02820	.08523	.04685	.04503
16	K_	-.01027	8.8081	4.3014	9.6304	7.9551	6.5499
17	Se	.00479	.00090	.00394	.00264	.00357	.00402
18	Ag	.00052	.00143	.00199	.00100	.00138	.00154
19	Na	3.2459	8.4948	4.5461	6.5481	7.6080	5.6545
20	Tl	-.00486	-.01751	-.01090	-.01640	-.01703	-.01700
21	V_	.05494	.11473	.03414	.14932	.08806	.08325
22	Zn	.08479	.75476	.30067	.59306	3.4788	.49370
23	Ti	.00336	.63542	.29932	.74252	.72581	.51593
24	B	.01160	.07365	.07550	.08369	.19565	.07881
25	Si	.23184	6.5832	2.4822	8.4466	5.3081	5.0366
26	Sn	.01711	.04096	.04033	.04219	.04320	.03448
27	Mo	.00191	.00966	.00615	.01132	.01112	.00801
28	Sr	.00302	.24999	.13930	.25207	.37209	.26688
29	U	.0118	.0169	.0311	.0227	.0227	.0307

#	Element	050'31-6 (-031)	IPO'-3MB (-0767)	CCV	CCB	IPO'3LCS	050'08-1 (-008)
1	Al	24.685	.03178	51.935	.00999	2.0052	6.6193
2	Sb	.00699	-.00080	.48616	.00176	.50717	-.00037
3	As	.02936	-.00022	.48593	-.00108	2.0401	.00223
4	Ba	.61387	.00013	.48832	-.00008	1.9662	.04043
5	Be	.00221	-.00006	.51089	-.00005	.05243	.00375
6	Cd	.00023	-.00024	.49346	-.00003	.05149	.00683
7	Ca	44.333	.05222	53.366	.03340	41.285	62.919
8	Cr	.08080	.00031	.47801	-.00003	.19589	.00208

#	Element	050'31-6 (-031)	IPO'-3MB (-0767)	CCV	CCB	IPO'3LCS	050'08-1 (-008)
9	Co	.02107	.00034	.48418	.00054	.50060	.00710
10	Cu	.18224	-.00061	.49534	-.00109	.25236	.04353
11	Fe	55.625	.02790	21.006	.01186	.92685	1.3057
12	Pb	.09180	-.00100	.48446	-.00053	.50946	.00385
13	Mg	10.262	-.00854	52.338	-.00628	41.000	27.907
14	Mn	1.0043	.00014	.48180	-.00025	.49446	2.1512
15	Ni	.05586	-.00030	.47843	-.00052	.49607	.11490
16	K_	8.6202	.05801	20.000	.07827	37.424	2.1213
17	Se	.00344	-.00095	.50550	.00087	2.1954	.00336
18	Ag	.00103	.00103	.50508	.00090	.05292	.00076
19	Na	7.7424	.08872	20.969	.06983	38.688	8.2974
20	Tl	-.01709	.00773	.51153	.00414	2.1370	.00766
21	V_	.11236	.00040	.48682	.00028	.50131	.00185
22	Zn	.54374	.00698	.49531	-.00032	.51539	1.1460
23	Ti	.78963	.00032	.47599	.00002	.48880	.01675
24	B	.07246	.00171	1.0022	.00224	1.0690	.00855
25	Si	6.1822	.00914	.25731	.00192	1.9231	8.0217
26	Sn	.04005	.00146	.48755	.00033	.48903	.00099
27	Mo	.01005	-.00026	.48900	.00051	.98669	.00171
28	Sr	.20489	-.00018	.48942	-.00018	.48304	.39973
29	U	.0193	.0187	9.915	.0157	.0215	.0264

#	Element	050'8-1D (-008)	050'L 5X	050'-1MS	050'1MSD	050'08-2	050'08-3
1	Al	6.5161	1.2821	8.5045	8.4515	5.7204	6.6977
2	Sb	-.00348	-.00101	.50345	.50014	-.00083	.00215
3	As	.00205	-.00031	2.0350	2.0427	.00258	.00212
4	Ba	.03119	.00825	1.9866	1.9771	.02061	.02296
5	Be	.00371	.00067	.05452	.05469	.00357	.00194
6	Cd	.00687	.00127	.05703	.05723	.00675	.00506
7	Ca	62.787	12.094	104.79	105.02	63.260	100.26
8	Cr	.00128	.00028	.18976	.19148	.00005	.00123
9	Co	.00666	.00165	.48930	.49038	.00720	.01693
10	Cu	.04300	.00796	.29209	.29194	.03108	.09459
11	Fe	1.1061	.26302	1.8958	1.8947	.00206	.76653
12	Pb	.00290	.00014	.50228	.50212	-.00041	.00284
13	Mg	27.770	5.5582	68.653	68.612	27.848	30.945
14	Mn	2.1313	.44796	2.5574	2.5600	2.0655	2.5289
15	Ni	.11393	.02352	.58963	.59095	.11328	.06751
16	K_	2.0775	.42606	40.623	40.405	1.8580	2.1034
17	Se	.00357	.00441	2.1893	2.1996	.00284	.00248
18	Ag	.00048	.00068	.05211	.05201	.00011	.00106
19	Na	8.3137	1.5086	47.173	46.987	8.2208	13.853
20	Tl	.00664	.00303	2.0797	2.1117	.00857	.00684
21	V_	.00140	.00065	.49052	.49243	.00004	.00112
22	Zn	1.1369	.23648	1.5866	1.5879	1.1371	.65609
23	Ti	.01448	.00325	.48970	.48971	.00028	.00857
24	B	.00696	.00234	1.0774	1.0797	.00833	.01007
25	Si	7.8504	1.5871	9.7685	9.6834	6.7720	6.9687
26	Sn	.00188	.00049	.47570	.47833	.00089	.00212
27	Mo	.00061	.00011	.96597	.97990	.00329	.00673
28	Sr	.39778	.08177	.86977	.86690	.39793	.50281
29	U	.0182	.0195	.0149	.0095	.0069	.0257

#	Element	050'08-4 (-008)	050'08-5	CCV	CCB	050'08-6	050'08-7
1	Al	6.2258	.22442	52.080	.01178	.13489	1.8857
2	Sb	-.00290	-.00114	.48709	.00299	.00249	.00023
3	As	-.00084	.00032	.48791	.00157	.00282	.00154
4	Ba	.00954	.04789	.49094	-.00005	.04290	.01384
5	Be	.00190	.00009	.51172	-.00003	.00014	.00135
6	Cd	.00506	-.00010	.49524	-.00013	.00000	.00127
7	Ca	100.96	77.780	53.612	.04732	78.218	107.52
8	Cr	.00032	.00006	.47877	.00001	.00015	.00011
9	Co	.00845	.00136	.48519	.00025	.00148	.00164
10	Cu	.08720	.00118	.49652	-.00132	.00041	.01115
11	Fe	.01093	.50546	21.021	.00672	.27391	.47241
12	Pb	-.00004	.00012	.48889	.00045	-.00039	.00000
13	Mg	30.909	18.889	52.352	-.00007	18.932	30.458
14	Mn	2.1798	.11829	.48267	.00008	.10642	.10967
15	Ni	.06696	.01066	.48015	-.00037	.01021	.07584
16	K_	1.9990	2.0988	19.960	.08073	2.1109	2.3961
17	Se	.00311	.00494	.51643	.00001	.00177	.00159
18	Ag	.00053	.00090	.50588	.00078	.00100	.00085
19	Na	13.873	8.0933	20.931	.07427	8.0836	14.350
20	Tl	.00871	.00700	.51385	.00344	.00898	.01069
21	V_	.00035	.00037	.48891	.00035	.00049	.00055
22	Zn	.65908	.10792	.49348	-.00006	.11005	.40238
23	Ti	.00034	.00179	.47783	-.00009	.00044	.00164
24	B	.01378	.01081	1.0038	.00299	.00784	.01186
25	Si	6.4712	6.5634	.25830	.00242	6.4417	8.2013
26	Sn	.00129	.00196	.48414	.00052	.00186	.00009
27	Mo	.00299	.00673	.49055	.00191	.00673	.00663
28	Sr	.50286	.45062	.49193	-.00007	.44815	.54303
29	U	.0124	.0191	10.03	.0112	.0284	.0194

#	Element	050'08-8 (-008)	050'10-5 (-010)	050'8-1A (-008 -1A)	EX0'-8MB (-0706)	EX0'8LCS	EX0'LCSD
1	Al	1.7829	6.8824	6.6721	.00760	1.9069	1.8907
2	Sb	.00008	.00247	1.0025	-.00229	.48606	.48533
3	As	-.00055	.00113	1.0238	.00315	1.9385	1.9390
4	Ba	.01188	.01316	.04051	.01144	2.0255	2.0096
5	Be	.00131	-.00005	1.0404	-.00003	.05183	.05185
6	Cd	.00110	.00017	1.0486	-.00012	.05194	.05169
7	Ca	107.24	8.3215	64.265	.05451	L.05310	L.04926
8	Cr	-.00024	.02071	.97832	.00022	.19920	.19933
9	Co	.00251	.00078	1.0162	.00023	.50390	.50421
10	Cu	.00799	.08404	1.0735	-.00168	.25633	.25523
11	Fe	.23689	2.5147	2.2583	.00633	.93162	.93818
12	Pb	-.00042	.00079	1.0235	-.00007	.50333	.50380
13	Mg	30.328	1.4423	28.855	-.00790	L-.00953	L-.00946
14	Mn	.11078	.01436	3.1359	.00040	.50530	.50539
15	Ni	.07473	.20608	1.1295	-.00032	.50539	.50559
16	K_	2.2815	2.8457	2.1216	.03295	L.03525	L.06859
17	Se	.00305	.00251	1.1145	.00277	2.0318	2.0279
18	Ag	.00074	.00164	.00038	.00054	.05115	.05142
19	Na	14.107	H129.91	8.2431	.13573	L.14037	L.14189
20	Tl	.01214	.00861	1.0603	.00255	2.0261	2.0213

#	Element	050'08-8 (-008)	050'10-5 (-010)	050'8-1A (-008, -1A)	EX0'-8MB (-0706)	EX0'8LCS	EX0'LCSD
21	V_	.00024	.00116	1.0077	AR .00035	.50842	.50768
22	Zn	.38425	.01185	2.1640	H .02309	.53261	.53510
23	Ti	.00033	.00126	1.0085	.00018	.49636	.49577
24	B	.01231	.09910	.00856	.02604	1.0307	1.0297
25	Si	8.0653	1.2592	8.0725	.03613	1.7017	1.6829
26	Sn	.00139	.00202	.00179	.00295	.46856	.47170
27	Mo	.00585	.00092	.98678	.00368	.98650	.99036
28	Sr	.54089	.03612	.40108	-.00014	.49090	.48795
29	U	.0190	.0239	.0155	.0095	.0163	.0165

#	Element	050'7-17 (-217)	050'-17D	CCV	CCB	050'L 5X	050'17MS
1	Al	.01280	.01129	52.432	.01967	.00969	1.8793
2	Sb	.00374	.00154	.49175	.00115	-.00059	.48444
3	As	.00185	.00179	.49300	.00102	-.00081	1.9405
4	Ba	.11284	.11391	.49408	.00011	.02354	2.0527
5	Be	.00001	.00000	.51782	.00000	-.00005	.05064
6	Cd	.00015	.00000	.50463	-.00011	-.00020	.04987
7	Ca	167.53	168.34	54.737	.05992	32.295	169.33
8	Cr	.00089	.00031	.48405	.00046	.00016	.18797
9	Co	.00140	.00181	.49112	.00054	.00057	.47950
10	Cu	-.00093	-.00158	.49700	-.00167	-.00172	.24747
11	Fe	.01902	.10631	21.290	.01141	.00745	.87087
12	Pb	.00210	.00198	.49523	.00002	.00079	.48847
13	Mg	3.3189	3.3264	52.991	.00225	.68587	3.3267
14	Mn	.33098	.33284	.48808	-.00003	.06945	.81099
15	Ni	.00083	.00058	.48836	-.00022	.00036	.47905
16	K_	.78827	.76566	19.879	.08918	.21793	.76465
17	Se	.00195	.00120	.51774	.00166	.00214	2.0294
18	Ag	.00095	.00074	.50884	.00103	.00070	.05046
19	Na	1.9755	1.9596	20.907	.07325	.41421	1.9712
20	Tl	.00448	.00556	.51413	.00455	.00403	1.9995
21	V_	.00098	.00072	.49420	.00060	.00022	.48775
22	Zn	.02888	.01077	.50363	-.00002	.01112	.49187
23	Ti	.00092	.00073	.48197	.00001	-.00008	.47659
24	B	.01115	.01139	1.0123	.00314	.00292	1.0077
25	Si	.75642	.76137	.25682	.00074	.15508	2.3945
26	Sn	.00299	.00182	.48680	.00089	.00142	.46051
27	Mo	.00349	.00102	.49663	.00152	.00082	.95891
28	Sr	.54149	.54650	.49566	.00000	.11226	1.0241
29	U	.0288	.0246	10.17	.0272	.0190	.0316

#	Element	050'7MSD (-217)	050'5-20 (-265)	050'5-21	050'5-22	050'5-23	IP0'-4MB (-0707)
1	Al	1.8980	.01066	.01098	.01084	.00966	.01334
2	Sb	.49163	-.00079	.00178	.00482	-.00073	-.00061
3	As	1.9610	.00218	.00275	.00325	.00072	-.00160
4	Ba	2.0794	.07300	.07229	.08174	.08911	-.00005
5	Be	.05104	-.00003	-.00003	-.00002	-.00005	-.00016
6	Cd	.05049	-.00022	-.00013	-.00012	.00029	-.00032
7	Ca	170.71	181.48	179.58	178.17	175.85	.04598
8	Cr	.18955	.00170	.00111	.00185	.00178	.00046

#	Element	050'7MSD -217	050'5-20 -265	050'5-21	050'5-22	050'5-23	IP0'-4MB -0707
9	Co	.48351	.00088	.00020	.00052	.00064	.00039
10	Cu	.25183	-.00179	-.00188	.00315	.01333	-.00191
11	Fe	.87994	.01039	.03651	.01429	.01516	.01530
12	Pb	.49392	.00060	.00172	.00278	.00983	-.00014
13	Mg	3.3399	7.3530	7.4496	9.7829	8.5027	-.01468
14	Mn	.81760	.03546	.03364	.03652	.06430	-.00008
15	Ni	.48387	-.00030	-.00044	.00040	-.00004	-.00010
16	K_	.77026	.72273	.82688	.80112	.86941	.03962
17	Se	2.0539	.00108	-.00077	.00352	.00275	.00018
18	Ag	.05042	.00074	.00019	.00100	.00053	.00060
19	Na	1.9808	.58649	.61039	.97076	1.1731	.06902
20	Tl	2.0187	.00480	.00538	.00441	.00465	.00473
21	V_	.49310	.00060	.00003	.00072	.00047	.00021
22	Zn	.49735	.01878	.01943	.02884	.10004	.00067
23	Ti	.48129	.00085	.00075	.00078	.00065	.00007
24	B	1.0201	.03339	.03371	.04277	.04208	.00162
25	Si	2.3708	.68734	.79044	.70363	.83945	.00986
26	Sn	.46227	.00182	.00152	.00026	.00189	.00594
27	Mo	.97341	.00270	.00131	.00072	.00061	-.00046
28	Sr	1.0352	.21445	.22211	.27238	.26413	-.00029
29	U	.0158	.0267	.0084	.0308	.0132	.0080

#	Element	IP0'4LCS -0707	050'31-1 -231	CCV	CCB	050'1-1D	050'L 5X
1	Al	1.9184	55.609	50.710	.00563	56.527	10.955
2	Sb	.48499	.02695	.49646	.00391	.02837	.00864
3	As	1.9448	.10965	.49589	-.00158	.15432	.02348
4	Ba	1.9196	1.1214	.49523	-.00011	1.2397	.23956
5	Be	.05173	.00547	.52002	-.00014	.00586	.00103
6	Cd	.05014	.02660	.50761	-.00026	.03172	.00620
7	Ca	40.141	92.950	52.185	.02660	88.233	17.811
8	Cr	.19173	.12241	.48693	-.00005	.13518	.02649
9	Co	.48798	.05360	.49455	.00037	.05429	.01156
10	Cu	.24779	.48797	.50044	-.00183	.59093	.10083
11	Fe	.91977	187.54	20.750	.01291	179.59	34.186
12	Pb	.49185	1.4314	.49799	-.00066	1.6413	.30991
13	Mg	39.084	34.126	50.686	-.01339	29.808	6.8779
14	Mn	.48519	3.3443	.49188	-.00028	3.2513	.72110
15	Ni	.48228	.08497	.49132	-.00036	.08616	.01831
16	K_	33.976	19.300	19.946	.08443	21.025	4.0339
17	Se	2.0169	.00661	.52536	-.00264	-.00156	-.00146
18	Ag	.04972	.00572	.51087	.00068	.00654	.00173
19	Na	35.751	1.6043	21.075	.06741	1.7123	.34956
20	Tl	2.0442	.00367	.52160	.00487	-.00025	.00373
21	V_	.49218	.23457	.49722	.00022	.23613	.05032
22	Zn	.49670	2.0841	.50594	-.00072	2.3491	.45419
23	Ti	.48157	3.0671	.48429	.00007	3.1102	.65016
24	B	1.0032	.07128	1.0176	.00200	.08021	.01537
25	Si	L1.5494	8.2419	.26057	.00158	7.7171	1.7404
26	Sn	.47214	.08729	.48921	.00265	.07707	.02001
27	Mo	.97774	.00908	.50138	.00091	.00957	.00121
28	Sr	.47360	.52134	.49813	-.00020	.57453	.11136
29	U	.0208	.0234	10.25	.0137	.0229	.0169

~23'

#	Element	050'-1MS	050'-1MS	050'31-2	050'31-3	050'31-4	050'31-5
1	Al	73.760	73.142	56.731	53.322	64.704	73.611
2	Sb	.29525	.29918	.03615	.05956	.02486	.02149
3	As	2.0461	2.0666	.93937	.15332	.15490	.08312
4	Ba	3.0513	3.1341	1.8914	1.3427	1.5179	1.5728
5	Be	.05684	.05753	.00542	.00548	.00601	.00587
6	Cd	.07674	.07906	.05724	.02893	.04361	.00633
7	Ca	119.29	123.93	88.952	130.54	79.178	106.90
8	Cr	.32311	.31302	.24484	.11389	.13185	.19556
9	Co	.52483	.52485	.05399	.05198	.05517	.07163
10	Cu	.81326	.74162	.68598	.66168	.56804	1.4654
11	Fe	180.29	174.01	198.01	164.50	173.83	H236.09
12	Pb	2.1716	2.2524	6.4010	2.6488	1.7415	.95366
13	Mg	70.987	68.083	27.623	29.417	26.650	44.283
14	Mn	3.5394	3.6960	5.3028	3.3078	3.9037	3.9338
15	Ni	.56853	.56261	.09831	.08878	.09033	.13986
16	K_	54.725	54.541	19.600	17.923	21.302	22.753
17	Se	2.0197	2.0254	.01101	.00245	.00139	.00151
18	Ag	.06049	.05557	.04939	.00659	.00785	.00409
19	Na	40.125	40.135	2.1671	4.3040	2.0765	3.8236
20	Tl	1.9668	1.9749	-.00082	.00249	-.00129	-.00133
21	V_	.71508	.71169	.21891	.21763	.23759	.31234
22	Zn	2.5443	2.7834	4.3266	2.5247	2.2703	1.3196
23	Ti	3.9230	3.8510	2.9815	2.8006	3.0154	3.8904
24	B	1.0126	1.0270	.06958	.10332	.10002	.05333
25	Si	9.7198	10.991	11.929	8.1544	9.2925	9.7264
26	Sn	.52696	.52811	.08532	.15386	.07111	.06725
27	Mo	.93885	.95006	.02190	.01171	.01705	.00673
28	Sr	1.0047	1.0061	.51719	.82018	.60931	.43675
29	U	.0238	.0262	.0318	.0323	.0280	.0285

~23'

#	Element	050'31-6	050'31-7	CCV	CCB	050'31-8	050'31-9
1	Al	70.048	49.157	50.821	.02131	58.856	43.219
2	Sb	.03585	.03245	.49872	-.00124	.03184	.04233
3	As	.14545	.17827	.49948	.00088	.22313	.85215
4	Ba	1.5663	1.5335	.49576	.00016	2.0306	1.4366
5	Be	.00587	.00401	.52346	-.00010	.00709	.00428
6	Cd	.02950	.02231	.51271	-.00027	.02181	.11268
7	Ca	105.04	81.228	52.903	.04454	71.048	32.280
8	Cr	.16106	.18269	.49052	-.00025	.13080	.13401
9	Co	.06368	.05320	.49795	.00015	.05741	.03673
10	Cu	.69214	.62728	.50095	-.00175	.57246	.55376
11	Fe	H203.68	178.38	20.884	.03703	H201.30	153.93
12	Pb	2.2055	2.0132	.50367	-.00031	2.2246	7.8748
13	Mg	35.939	31.126	51.002	-.00527	27.993	15.676
14	Mn	3.6105	2.7216	.49587	.00039	2.9976	2.3193
15	Ni	.11653	.15275	.49619	-.00070	.10305	.07287
16	K_	23.165	16.641	19.945	.08318	19.068	13.483
17	Se	-.00103	-.00432	.52315	-.00201	.00031	.00190
18	Ag	.00671	.01167	.51301	.00039	.01118	.02866
19	Na	5.3435	3.1837	21.091	.07048	3.1024	4.5533
20	Tl	.00144	.00231	.51902	.00347	-.00339	.00200

#	Element	050'31-6 (-231)	050'31-7	CCV	CCB	050'31-8	050'31-9
21	V_	.27700	.22858	.50079	-.00002	.26355	.18767
22	Zn	2.1841	1.8357	.51326	-.00006	2.1305	3.6372
23	Ti	3.6069	3.4069	.48512	.00075	3.0833	3.4027
24	B	.07806	.08004	1.0190	.00320	.07864	.05391
25	Si	9.7654	8.0749	Q.27707	.00836	7.8416	6.8892
26	Sn	.09820	.07352	.48880	.00069	.07471	.05952
27	Mo	.00732	.00742	.50093	.00110	.00820	.01686
28	Sr	.59304	.41325	.49940	-.00008	.51647	.36005
29	U	.0153	.0229	10.33	.0023	.0362	.0162

#	Element	050'1-10 (-231)	050'1-11	050'1-12	050'03-1 (-003)	050'03-3	050'03-4
1	Al	55.928	11.486	48.744	71.996	76.574	66.180
2	Sb	.02276	.02770	.01798	.00843	.01003	.00630
3	As	.22609	.20505	.09858	.02654	.02231	.02930
4	Ba	2.5426	.16985	2.7147	1.2329	1.4720	.83899
5	Be	.00692	.00088	.00407	.00330	.00383	.00243
6	Cd	.04059	.00099	.02989	-.00510	-.00663	-.00455
7	Ca	58.562	358.30	47.466	18.709	20.555	19.406
8	Cr	.12524	.46905	.17070	.16571	.17101	.22430
9	Co	.04599	.09330	.04956	.06342	.08137	.06767
10	Cu	.67054	1.3494	.49495	.13035	.12634	.15343
11	Fe	153.34	22.343	140.28	161.20	184.28	150.69
12	Pb	4.7094	2.3243	3.3232	.05523	.05186	.03202
13	Mg	16.273	125.37	15.361	22.674	23.938	27.170
14	Mn	3.4984	6.2725	2.0138	2.1817	2.8752	2.1371
15	Ni	.08349	.03153	.11540	.13669	.14523	.22587
16	K_	12.784	6.0931	14.581	4.7404	4.8843	6.6534
17	Se	-.00048	-.00220	.00468	-.00464	-.00314	-.00421
18	Ag	.01688	.00313	.00805	.00092	.00036	.00064
19	Na	1.7405	.70609	3.1913	1.7128	1.2782	1.5426
20	Tl	-.00346	.00266	-.00179	.00064	.00063	.00510
21	V_	.20310	1.1300	.19431	.36386	.42662	.32354
22	Zn	3.5408	7.3203	4.6973	.24954	.24924	.25464
23	Ti	2.9885	.29724	3.0140	4.7131	5.0855	4.1043
24	B	.20322	.04522	.04809	.00667	.00714	.00723
25	Si	5.9698	5.0283	6.9199	7.9918	7.6957	5.8958
26	Sn	.05665	.02537	.07902	.03083	.03115	.02991
27	Mo	.02586	.01472	.04310	-.00026	-.00034	.00061
28	Sr	.91477	2.2642	.37879	.25471	.26078	.20231
29	U	.0353	.0215	.0212	.0214	.0158	.0194

#	Element	050'03-5 (-003)	050'03-6	CCV	CCB	050'03-7	050'03-8
1	Al	86.527	62.553	49.240	.02784	120.63	102.50
2	Sb	.00928	.00999	.49512	.00121	.01123	.00861
3	As	.02611	.02271	.49941	-.00090	.03581	.02423
4	Ba	1.6010	.95625	.49180	.00021	1.4643	1.4156
5	Be	.00366	.00326	.52301	-.00011	.00374	.00463
6	Cd	-.00632	-.00441	.51067	-.00026	-.00805	-.00621
7	Ca	27.399	16.738	51.698	.03795	29.483	22.991
8	Cr	.16339	.14858	.48911	.00013	.18302	.18599

-003

#	Element	050'03-5	050'03-6	CCV	CCB	050'03-7	050'03-8
9	Co	.08112	.06490	.49493	.00010	.08239	.07457
10	Cu	.15848	.09931	.49915	-.00194	.20877	.13572
11	Fe	193.13	140.83	20.692	.03622	H226.86	181.20
12	Pb	.05270	.05942	.50046	-.00018	.05377	.05664
13	Mg	29.387	15.540	50.137	-.00292	37.961	26.041
14	Mn	2.1217	2.1446	.49344	.00033	2.3101	2.5199
15	Ni	.14751	.08306	.49269	-.00063	.16428	.12254
16	K_	6.8996	3.1264	19.497	.08905	14.173	4.6829
17	Se	-.00566	-.00469	.52518	-.00239	.00154	-.00332
18	Ag	.00033	.00079	.50970	.00078	.00067	.00045
19	Na	2.5113	1.6898	20.735	.06937	4.6845	2.6963
20	Tl	.00537	.00321	.51919	.00399	.00281	.00194
21	V_	.40076	.38555	.49860	.00034	.44825	.42370
22	Zn	.31791	.20100	.50694	-.00028	.36217	.25989
23	Ti	5.6436	4.2409	.48293	.00119	7.1251	4.5069
24	B	.00770	.01022	1.0176	.00271	.00798	.00792
25	Si	5.9921	9.1433	.27118	.00542	4.7452	4.6526
26	Sn	.03404	.03024	.48479	.00112	.03612	.03312
27	Mo	.00011	.00052	.49932	.00031	-.00004	.00111
28	Sr	.31352	.19950	.49670	-.00009	.40084	.32976
29	U	.0190	.0233	10.29	.0159	.0232	.0079

-231 -003 -231

#	Element	050'5 2X	050'6 2X	050'8 2X	050'7 2X	050'1-1A	CRI
		5	6	8	7	1A	
1	Al	36.672	35.053	29.468	60.573	51.924	.40313
2	Sb	.00862	.01919	.01544	.00181	.97434	.13690
3	As	.04244	.07244	.11316	.01841	1.0832	.00945
4	Ba	.78555	.78587	1.0422	.75005	1.0993	.42446
5	Be	.00289	.00291	.00346	.00177	1.0258	.01104
6	Cd	.00441	.01591	.01174	-.00342	1.0003	.01126
7	Ca	52.822	52.568	35.411	14.771	193.97	9.6358
8	Cr	.09973	.08423	.06659	.09341	1.0399	.02164
9	Co	.03674	.03308	.02873	.04197	1.0029	.10893
10	Cu	.73345	.34699	.28812	.10431	1.4712	.05291
11	Fe	111.11	97.500	95.512	106.82	175.26	.22141
12	Pb	.48776	1.1348	1.1453	.02884	2.3623	.00781
13	Mg	22.493	18.456	14.271	19.319	32.425	9.5983
14	Mn	2.0115	1.8623	1.5367	1.1825	4.1817	.03355
15	Ni	.07066	.06035	.05300	.08388	1.0336	.08797
16	K_	11.646	11.840	9.6754	7.2442	19.784	8.7318
17	Se	-.00025	.00275	-.00376	-.00172	1.0485	.01197
18	Ag	.00192	.00370	.00563	.00034	.00513	.02118
19	Na	1.8283	2.5690	1.4895	2.2650	1.6617	8.9928
20	Tl	.00005	.00216	.00170	.00519	1.0055	.02439
21	V_	.15820	.14163	.13434	.22949	1.1851	.10940
22	Zn	.67511	1.1370	1.0912	.17761	2.9754	.04747
23	Ti	1.9589	1.8302	1.5700	3.6335	3.9270	.02213
24	B	.02689	.03930	.03975	.00434	.07058	.20818
25	Si	4.9467	4.8074	4.2501	3.3658	8.6571	.10796
26	Sn	.03528	.04965	.04035	.01825	.08281	.10164
27	Mo	.00299	.00339	.00418	-.00007	.96559	.02352
28	Sr	.21957	.29974	.26466	.20584	.51371	.02117
29	U	.0095	.0114	.0173	.0112	.0196	.2196

#	Element	ICSA	ICSAB	CCV	CCB		
1	Al	465.62	456.66	46.667	.02016		
2	Sb	.00769	.57176	.48550	.00135		
3	As	.00273	.09538	.48564	-.00108		
4	Ba	.00179	.45802	.48803	.00006		
5	Be	.00097	.47711	.50346	-.00018		
6	Cd	-.00132	.91583	.48987	-.00012		
7	Ca	514.51	508.12	48.894	.03600		
8	Cr	.00002	.43850	.46856	-.00002		
9	Co	.00353	.45070	.47502	.00023		
10	Cu	-.00381	.49788	.48831	-.00208		
11	Fe	203.94	201.01	19.930	.02128		
12	Pb	-.00275	.04602	.48633	.00028		
13	Mg	505.08	498.65	47.907	-.00225		
14	Mn	.00839	.45518	.47466	-.00002		
15	Ni	.00275	.87705	.47324	-.00048		
16	K_	.04854	.03578	19.135	-.03705		
17	Se	-.00147	.05018	.52052	-.00254		
18	Ag	.00086	.20438	.49485	.00078		
19	Na	.12822	.09997	19.741	.06707		
20	Tl	.00112	.09391	.50642	.00358		
21	V_	.00420	.46555	.48346	.00035		
22	Zn	.03484	.91344	.48023	-.00032		
23	Ti	.00312	.90533	.47405	.00026		
24	B	.00264	.97895	.98356	.00298		
25	Si	.00516	.90360	.25105	.00283		
26	Sn	.00462	.92008	.47365	.00043		
27	Mo	-.00148	.94607	.48591	.00121		
28	Sr	.00772	.91848	.49547	-.00012		
29	U	.0277	10.12	10.24	.0176		

Method: 30EL Standard Name: BLANK Operator:
Run Time: 07/08/05 09:33:36
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.3502325	-.015749	-.141743	.2774861	-.091495	.2482376	.0014999
SDev	.2577275	.051970	.081667	.0572728	.025455	.0137879	.0021212
%RSD	73.58756	329.9832	57.61611	20.63988	27.82059	5.554308	141.4214
#1	.5324734	-.052497	-.083996	.2369881	-.073496	.2579871	.0029999
#2	.1679916	.0209989	-.199490	.3179841	-.109495	.2384881	.0000000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3292335	.1454927	.0944953	-.024749	.0000000	.7867106	.0187491
SDev	.0010606	.0042424	.0233334	.007424	.0148485	.0180303	.0201515
%RSD	.3221435	2.915904	24.69262	29.99847	.0000000	2.291859	107.4802
#1	.3299835	.1484926	.1109944	-.019499	.0104995	.7994600	.0329984
#2	.3284836	.1424929	.0779961	-.029999	-.010499	.7739613	.0044998
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	14.19154	.0547473	.0112494	5.650218	-.061497	.0494975	-.001500
SDev	.09439	.0116667	.0031818	.059394	.006364	.0148485	.002121
%RSD	.6651435	21.31007	28.28427	1.051181	10.34790	29.99847	141.4214
#1	14.25829	.0629968	.0134993	5.692215	-.056997	.0599970	.0000000
#2	14.12479	.0464977	.0089996	5.608220	-.065997	.0389980	-.003000
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Avge	.0074996	-.017999	.0029999	.0000000	-.179241	-.003000	.0269986
SDev	.0000000	.050909	.0000000	.0000000	.005303	.004242	.0721213
%RSD	.0000000	282.8427	.0000000	.0000000	2.958604	141.4214	267.1292
#1	.0074996	.0179991	.0029999	.0000000	-.182991	.0000000	.0779961
#2	.0074996	-.053997	.0029999	.0000000	-.175491	-.006000	-.023999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	B	Si	Sn	Mo	Sr	U
Avge	-.020999	.2122394	-.042748	.0074996	.0404980	-.605970
SDev	.010606	.0095455	.007424	.0021212	.0127273	.123030
%RSD	50.50763	4.497497	17.36753	28.28427	31.42697	20.30306
#1	-.013499	.2189890	-.047998	.0059997	.0494975	-.518974
#2	-.028499	.2054897	-.037498	.0089996	.0314984	-.692965
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	667	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	667	--	--	--	--	--	--
#2	667	--	--	--	--	--	--

Method: 30EL Standard Name: RLSTD Operator:
Run Time: 07/08/05 09:35:40
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.4777261	.1754912	-.180741	.3824809	.0809959	1.137693	.1897405
SDev	.1092425	.1103031	.041364	.0169697	.0318182	.005303	.0010606
%RSD	22.86719	62.85393	22.88562	4.436748	39.28371	.4661188	.5589762
#1	.5549722	.0974951	-.151492	.3944803	.0584971	1.133943	.1904905
#2	.4004800	.2534873	-.209989	.3704815	.1034948	1.141443	.1889906
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.4709764	4.854507	.2527373	.0472476	.2144893	.9382031	.3599820
SDev	.0000000	.003182	.0350000	.0095455	.0063636	.0180303	.0127273
%RSD	.0000000	.0655457	13.84838	20.20305	2.966879	1.921790	3.535531
#1	.4709764	4.856757	.2279886	.0404980	.2189890	.9509524	.3689815
#2	.4709764	4.852257	.2774861	.0539973	.2099895	.9254537	.3509825
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	17.14789	5.593220	.2572371	51.64617	.3119844	.1387431	.0247488
SDev	.04561	.021212	.0010606	.10076	.0084849	.0646970	.0010606
%RSD	.2659584	.3792509	.4123061	.1950941	2.719641	46.63083	4.285501
#1	17.18014	5.578221	.2579871	51.57492	.3059847	.0929954	.0254987
#2	17.11564	5.608220	.2564872	51.71742	.3179841	.1844908	.0239988
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl	Li	Ti	B	Si
Avge	.1267437	.1657417	-.149243	.0404980	3.080846	13.48058	1.570421
SDev	.0053030	.0583334	.015909	.0106061	.033940	.01379	.016970
%RSD	4.184065	35.19536	10.65990	26.18914	1.101630	.1022787	1.080581
#1	.1229939	.2069896	-.160492	.0329984	3.104845	13.47083	1.582421
#2	.1304935	.1244938	-.137993	.0479976	3.056847	13.49033	1.558422
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sn	Mo	Sr	U
Avge	1.066447	.0892455	3.613319	3.928304
SDev	.029697	.0053030	.002121	.086970

%RSD	2.784669	5.942070	.0587088	2.213929
#1	1.045448	.0929954	3.611819	3.866807
#2	1.087446	.0854957	3.614819	3.989800
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	667	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	667	--	--	--	--	--	--
#2	667	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/100 Operator:
Run Time: 07/08/05 09:37:42
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	43.45433	45.92770	6.095695	20.46048	53.77231	103.0418
SDev	.01061	.11879	.004242	.07848	.08485	.3267
%RSD	.0244076	.2586413	.0695956	.3835925	.1577888	.3170224
#1	43.46183	45.84371	6.098695	20.40498	53.71231	103.2728
#2	43.44683	46.01170	6.092695	20.51597	53.83231	102.8109
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/10 Operator:
Run Time: 07/08/05 09:39:04
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	419.8485	431.5989	57.50562	90.83246	528.1746	1094.969
SDev	.6173	.5324	.00636	.09758	.9715	1.010
%RSD	.1470227	.1233607	.0110653	.1074238	.1839426	.0922157
#1	419.4120	431.2224	57.51012	90.76346	527.4876	1094.255
#2	420.2850	431.9754	57.50113	90.90145	528.8616	1095.683

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	
IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/2 Operator:
Run Time: 07/08/05 09:40:29
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	1933.699	1872.230	257.3421	420.7905	2530.336	4897.296
SDev	4.385	1.896	.3479	1.2579	.999	15.597
%RSD	.2267440	.1012898	.1351812	.2989308	.0394889	.3184908
#1	1936.799	1870.889	257.0961	421.6799	2529.629	4908.325
#2	1930.598	1873.571	257.5881	419.9010	2531.043	4886.267

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	
IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXAHIGH Operator:
Run Time: 07/08/05 09:41:51
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	3492.340	3281.790	476.0282	780.8984	4812.502	8356.639
SDev	41.743	37.221	2.9230	1.2834	37.891	25.970
%RSD	1.195286	1.134168	.6140456	.1643437	.7873519	.3107661
#1	3462.823	3255.470	473.9613	779.9910	4785.708	8338.275
#2	3521.857	3308.109	478.0951	781.8059	4839.295	8375.002

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	
IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: B 1/100 Operator:
Run Time: 07/08/05 09:43:12
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	7.075146	5.944202	1.304935	2.918854	2.566372	9.266537	13.75431
SDev	.392425	.091212	.101818	.190909	.120909	.021212	.02970
%RSD	5.546523	1.534473	7.802557	6.540559	4.711289	.2289133	.2159105
#1	6.797660	6.008699	1.232938	3.053847	2.651867	9.281536	13.73331
#2	7.352632	5.879706	1.376931	2.783861	2.480876	9.251537	13.77531
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	15.24524	3.086845	9.190041	6.683666	11.14894	6.782661	.4859757
SDev	.06788	.021212	.014849	.000000	.03182	.038182	.0339394
%RSD	.4452451	.6871796	.1615717	.0000000	.2853888	.5629356	6.983770
#1	15.19724	3.101845	9.179541	6.683666	11.12644	6.809660	.5099745
#2	15.29323	3.071846	9.200540	6.683666	11.17144	6.755662	.4619769
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	1.199940	1.750412	4.106794	.5399730
SDev	.004242	.006364	.063637	.0084849
%RSD	.3535525	.3635525	1.549546	1.571352
#1	1.202940	1.745913	4.061797	.5339733
#2	1.196940	1.754912	4.151792	.5459727
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: B 1/10 Operator:
Run Time: 07/08/05 09:44:36
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	68.89305	59.03855	15.27524	27.30914	25.97570	91.45643	132.9204
SDev	.77849	.06576	.09758	.20152	.02546	.17394	.2800
%RSD	1.129991	.1113801	.6387835	.7379065	.0979968	.1901879	.2106530
#1	68.34258	58.99205	15.20624	27.16664	25.95770	91.33343	132.7224
#2	69.44353	59.08505	15.34423	27.45163	25.99370	91.57942	133.1183
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	150.8684	31.00645	91.26894	60.34798	109.7945	67.52062	5.132743
SDev	.3648	.04242	.09122	.19091	.3182	.12303	.038182
%RSD	.2418261	.1368253	.0999412	.3163459	.2898005	.1822165	.7438843
#1	150.6105	30.97645	91.20444	60.21299	109.5695	67.43362	5.105745
#2	151.1264	31.03645	91.33343	60.48298	110.0195	67.60762	5.159742
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	12.03090	17.21764	41.32443	7.102145
SDev	.01485	.02333	.13788	.002121
%RSD	.1234197	.1355229	.3336530	.0298666
#1	12.02040	17.20114	41.42193	7.103645
#2	12.04140	17.23414	41.22694	7.100645
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXBHIGH Operator:
Run Time: 07/08/05 09:45:59
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	689.9595	592.7103	156.5922	272.6564	250.9659	855.6052	1224.165
SDev	2.3164	.3945	.4667	.8909	.0148	1.5400	4.253
%RSD	.3357230	.0665604	.2980171	.3267471	.0059157	.1799919	.3474203
#1	688.3216	592.4314	156.2622	272.0264	250.9764	854.5162	1221.158
#2	691.5974	592.9893	156.9221	273.2863	250.9554	856.6942	1227.173

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	1467.659	310.8475	908.3756	595.4447	1048.065	672.0218	53.09284
SDev	5.791	.8570	1.9218	.0955	2.323	1.9324	.18879
%RSD	.3945675	.2756896	.2115644	.0160328	.2216259	.2875526	.3555813
#1	1463.564	310.2415	907.0167	595.3772	1046.423	670.6555	52.95935
#2	1471.753	311.4534	909.7345	595.5122	1049.707	673.3883	53.22634
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	120.0210	168.9815	408.2616	73.15434
SDev	.2376	.4921	1.1836	.11030
%RSD	.1979454	.2912295	.2899219	.1507799
#1	119.8530	168.6336	407.4246	73.07635
#2	120.1890	169.3295	409.0985	73.23234
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: C 1/100 Operator:
Run Time: 07/08/05 09:48:11
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	.3194840	29.43903	13.65682	13.27284	2.197390	.7904605	35.37723
SDev	.0021212	.18030	.00212	.01909	.010606	.0148485	.00848
%RSD	.6639483	.6124644	.0155295	.1438339	.4826713	1.878462	.0239796
#1	.3209840	29.31153	13.65832	13.25934	2.204890	.7799610	35.38323
#2	.3179841	29.56652	13.65532	13.28633	2.189890	.8009599	35.37123
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	23.35983
SDev	.74243
%RSD	3.178213
#1	22.83486
#2	23.88481

Factor 1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: C 1/10 Operator:
Run Time: 07/08/05 09:49:37
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	3.670316	291.8074	138.5481	130.9495	22.43438	7.927104	345.6097
SDev	.290606	1.2939	.5303	.4624	.11242	.027575	2.1170
%RSD	7.917748	.4434196	.3827536	.3531289	.5011276	.3478635	.6125295
#1	3.464827	290.8925	138.1731	130.6225	22.35488	7.907605	344.1128
#2	3.875806	292.7224	138.9230	131.2764	22.51387	7.946602	347.1066
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	228.9995
SDev	.6406
%RSD	.2797431
#1	228.5466
#2	229.4525

Factor 1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXCHIGH Operator:
Run Time: 07/08/05 09:51:00
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	34.13229	2827.216	1352.650	1220.789	219.6265	76.79016	2922.487
SDev	.44545	1.916	.280	1.396	.7658	.36060	2.626

%RSD	1.305080	.0677536	.0207009	.1143311	.3486642	.4695972	.0898584
#1	34.44728	2825.862	1352.848	1221.776	219.0850	76.53517	2924.344
#2	33.81731	2828.571	1352.452	1219.802	220.1680	77.04514	2920.630
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	2196.688
SDev	2.868
%RSD	.1305584
#1	2198.716
#2	2194.660
Factor	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL
Mode: Concentration
Standards Table: 6010I
Data File: 6010CAL

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
2203/1	220.351	07/08/05 09:54	Full Fit	1.000000
2203/2	220.352/2	07/08/05 09:54	Full Fit	1.000000
1960/1	196.021	07/08/05 09:54	Full Fit	1.000000
1960/2	196.022/2	07/08/05 09:54	Full Fit	1.000000
Ag	328.068	07/08/05 09:54	Full Fit	1.000000
Al	308.215	07/08/05 09:54	Full Fit	1.000000
Ba	493.409	07/08/05 09:55	Full Fit	1.000000
Be	313.042	07/08/05 09:55	Full Fit	1.000000
Ca	317.933	07/08/05 09:55	Full Fit	1.000000
Cd	226.502/2	07/08/05 09:55	Full Fit	1.000000
Co	228.616	07/08/05 09:55	Full Fit	1.000000
Cr	267.716	07/08/05 09:55	Full Fit	1.000000
Cu	324.753	07/08/05 09:55	Full Fit	1.000000
Fe	271.441	07/08/05 09:55	Full Fit	1.000000
K_	766.491	07/08/05 09:55	Full Fit	1.000000
Mg	279.078	07/08/05 09:55	Full Fit	1.000000
Mn	257.610	07/08/05 09:55	Full Fit	1.000000
Na	588.991	07/08/05 09:55	Full Fit	.999999
Ni	231.604/2	07/08/05 09:55	Full Fit	1.000000
Sb	206.838/2	07/08/05 09:55	Full Fit	.999999

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
V_	292.402	07/08/05 09:55	Full Fit	1.000000
Zn	206.200	07/08/05 09:55	Full Fit	1.000000
As	189.042/2	07/08/05 09:55	Full Fit	1.000000
Pb	220.353	01/06/95 08:57	User Fit	1.000000
Se	196.026	01/06/95 08:57	User Fit	1.000000
Tl	190.864/2	07/08/05 09:55	Full Fit	1.000000
Li	670.784	07/08/05 09:55	Full Fit	1.000000
Ti	334.941	07/08/05 09:55	Full Fit	1.000000
B	249.678/2	07/08/05 09:55	Full Fit	1.000000
Si	251.612	07/08/05 09:55	Full Fit	1.000000
Sn	189.989	07/08/05 09:55	Full Fit	1.000000
Mo	202.003/2	07/08/05 09:55	Full Fit	1.000000
Sr	421.525	07/08/05 09:55	Full Fit	1.000000
U	409.014	07/08/05 09:55	Full Fit	1.000000

Method: 30EL Sample Name: MIXCHIGH Operator: SW
Run Time: 07/08/05 09:56:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00055	.00671	-.04103	.00868	.00690	.26444	-.00011
SDev	.00389	.00469	.01202	.00105	.00064	.00065	.00009
%RSD	703.04	69.960	29.301	12.156	9.2837	.24582	83.743
#1	-.00330	.00339	-.04953	.00793	.00736	.26490	-.00004
#2	.00219	.01002	-.03253	.00943	.00645	.26398	-.00018
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00410	.10500	-.00202	.00324	.01086	.00200	-.19402
SDev	.00002	.00059	.00041	.00072	.00016	.00006	.00967
%RSD	.38493	.55933	20.115	22.323	1.5113	2.7669	4.9826
#1	.00412	.10542	-.00173	.00375	.01074	.00204	-.18719
#2	.00409	.10459	-.00230	.00273	.01097	.00196	-.20086
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02642	-.28749	.00656	.08819	.00500	-.02847	.00160
SDev	.01719	.00399	.00014	.00057	.00006	.00262	.00030
%RSD	65.076	1.3891	2.0526	.64227	1.2736	9.1946	19.051
#1	.01426	-.28466	.00665	.08779	.00504	-.03033	.00181
#2	.03857	-.29031	.00646	.08859	.00495	-.02662	.00138
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.01992	-.00192	.00429	-.00787	.02047	10.325	10.003
SDev	.00043	.00201	.00442	.00471	.00089	.776	.026
%RSD	2.1408	104.35	103.12	59.787	4.3639	7.5113	.25702
#1	-.01962	-.00334	.00116	-.01120	.02110	9.7763	9.9843
#2	-.02022	-.00050	.00742	-.00454	.01984	Q10.873	10.021
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass
Value						10.000	10.000
Range						5.0000	5.0000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.045	50.326	9.9600	10.009	10.008	50.48
SDev	.035	.108	.0345	.059	.022	.06
%RSD	.34736	.21377	.34619	.58999	.21661	.1247
#1	10.020	50.250	9.9356	9.9673	9.9925	50.44
#2	10.070	50.402	9.9843	10.051	10.023	50.52
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	50.000	10.000	10.000	10.000	50.00
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.000

Method: 30EL Sample Name: MIXBHIGH Operator: SW
Run Time: 07/08/05 09:57:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	9.9559	10.023	9.9754	10.019	1.9918	-.00359	9.9621
SDev	.0178	.031	.0121	.068	.0082	.00062	.0226
%RSD	.17833	.30544	.12150	.67712	.41153	17.151	.22645
#1	9.9684	10.001	9.9668	9.9707	1.9860	-.00315	9.9462
#2	9.9433	10.045	9.9839	10.067	1.9976	-.00402	9.9781
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value					2.0000		10.000
Range					5.0000		5.0000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.043	.05236	9.9913	9.9783	9.9582	9.9855	-.00572
SDev	.021	.00000	.0125	.0155	.0156	.0219	.00515
%RSD	.20942	.00000	.12488	.15545	.15679	.21967	89.974
#1	10.028	.05236	9.9825	9.9673	9.9472	9.9700	-.00936
#2	10.058	.05236	10.000	9.9892	9.9693	10.001	-.00208
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	10.000		10.000	10.000	10.000	10.000	
Range	5.0000		5.0000	5.0000	5.0000	5.0000	

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08168	-.03629	9.9676	.11596	10.012	1.9902	9.9671
SDev	.00813	.00140	.0202	.00023	.018	.0153	.0212
%RSD	9.9531	3.8519	.20308	.19541	.18196	.76982	.21274
#1	.08743	-.03728	9.9533	.11612	9.9992	1.9794	9.9521
#2	.07593	-.03530	9.9820	.11580	10.025	2.0010	9.9821
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value			10.000		10.000	2.0000	10.000
Range			5.0000		5.0000	5.0000	5.0000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	9.9883	9.9699	10.001	10.004	9.9652	.02192	.00795
SDev	.0147	.0102	.015	.049	.0115	.01600	.00418
%RSD	.14752	.10280	.14507	.49263	.11530	72.995	52.633
#1	9.9779	9.9627	9.9905	9.9694	9.9733	.03324	.01090
#2	9.9987	9.9772	10.011	10.039	9.9571	.01061	.00499
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	10.000	10.000	10.000	10.000	10.000		
Range	5.0000	5.0000	5.0000	5.0000	5.0000		

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02838	.05116	.00614	.04952	.00501	.0036
SDev	.00717	.02541	.00404	.01711	.00347	.0092
%RSD	25.284	49.663	65.815	34.551	69.108	255.2
#1	.03345	.06913	.00900	.06162	.00747	.0101
#2	.02330	.03320	.00328	.03743	.00256	-.0029
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

Method: 30EL Sample Name: MIXAHIGH Operator: SW
Run Time: 07/08/05 09:59:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.05456	.03668	.02077	.02050	.01226	504.50	.00699
SDev	.00017	.00449	.01381	.00221	.00821	2.23	.00401
%RSD	.30496	12.250	66.501	10.804	66.992	.44143	57.329
#1	-.05468	.03986	.03054	.02207	.01807	502.92	.00983
#2	-.05445	.03350	.01100	.01893	.00645	506.07	.00416
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value						500.00	
Range						5.0000	

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00691	503.06	.00558	.00916	.00966	.00963	200.51
SDev	.00411	2.21	.00373	.00444	.00476	.00532	.17
%RSD	59.481	.44006	66.929	48.533	49.308	55.256	.08346
#1	.00981	504.63	.00822	.01230	.01303	.01339	200.62
#2	.00400	501.50	.00294	.00601	.00629	.00587	200.39
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		500.00					200.00
Range		5.0000					5.0000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	100.18	501.98	.01305	100.11	.00844	.03062	.00961
SDev	.65	.90	.00388	.35	.00374	.00055	.00459
%RSD	.65098	.17847	29.781	.34940	44.268	1.7816	47.747
#1	99.716	502.62	.01579	99.867	.01108	.03024	.01286
#2	100.64	501.35	.01030	100.36	.00580	.03101	.00637
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	100.00	500.00		100.00			
Range	5.0000	5.0000		5.0000			

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02056	.00906	.00630	.02059	-.00233	.00157	.00435
SDev	.00357	.00852	.00294	.00608	.00216	.00379	.00042
%RSD	17.366	94.008	46.720	29.515	92.607	242.10	9.5391
#1	.02309	.01509	.00838	.02489	-.00080	.00425	.00464
#2	.01804	.00304	.00422	.01629	-.00385	-.00112	.00405
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00465	.01908	.00635	.01055	.00706	.0341
SDev	.00094	.00193	.00584	.00026	.00001	.0316
%RSD	20.212	10.104	91.892	2.5010	.17117	92.74
#1	.00531	.02044	.01048	.01036	.00705	.0565
#2	.00398	.01772	.00222	.01074	.00706	.0117
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

Method: 30EL Sample Name: ICV Operator: SW
Run Time: 07/08/05 10:06:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.24624	.24362	.26971	.25272	.24986	25.340	.24324
SDev	.00237	.00149	.00402	.00150	.00081	.138	.00107
%RSD	.96355	.61217	1.4922	.59340	.32230	.54542	.44043
#1	.24792	.24257	.27256	.25378	.24929	25.242	.24249
#2	.24457	.24467	.26687	.25166	.25043	25.438	.24400
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.25000	25.250	.25000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.25609	26.019	.24642	.24510	.24291	.24662	10.338
SDev	.00027	.000	.00052	.00062	.00017	.00120	.016
%RSD	.10572	.00096	.20996	.25124	.07170	.48698	.15557
#1	.25590	26.019	.24678	.24553	.24279	.24577	10.349
#2	.25628	26.019	.24605	.24466	.24303	.24747	10.327
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	25.250	.25000	.25000	.25000	.25000	10.250
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.8606	25.873	.24348	10.226	.24088	.24863	.24489
SDev	.0589	.043	.00060	.076	.00085	.00681	.00071
%RSD	.59752	.16758	.24546	.74394	.35177	2.7376	.28949
#1	9.8190	25.842	.24305	10.173	.24148	.24382	.24439
#2	9.9023	25.904	.24390	10.280	.24028	.25345	.24539
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	25.250	.25000	10.250	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.24716	.24136	.24449	.25838	.25863	.33279	.23905
SDev	.00000	.00152	.00020	.00234	.00024	.02667	.00054
%RSD	.00048	.63110	.08369	.90584	.09442	8.0141	.22684
#1	.24716	.24244	.24435	.26003	.25880	.31393	.23867
#2	.24716	.24028	.24464	.25672	.25845	.35164	.23944
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.25000	.25000	.25000	.25000	.25000		.25000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50137	.12941	.24462	.24785	.24366	4.843
SDev	.00122	.00008	.00151	.00001	.00106	.016
%RSD	.24351	.06178	.61705	.00240	.43463	.3391
#1	.50051	.12947	.24355	.24785	.24291	4.831
#2	.50223	.12935	.24568	.24785	.24441	4.855
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.12500	.25000	.25000	.25000	5.000
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: ICB Operator: SW
Run Time: 07/08/05 10:09:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00076	-.00092	.00495	.00328	.00064	.02675	-.00004
SDev	.00428	.00201	.00990	.00045	.00008	.00070	.00002
%RSD	561.47	218.92	200.10	13.831	12.912	2.6235	60.819
#1	-.00227	.00050	-.00205	.00296	.00058	.02724	-.00002
#2	.00379	-.00234	.01195	.00360	.00070	.02625	-.00006
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00003	.02899	.00008	.00030	.00017	-.00045	.00955
SDev	.00000	.00065	.00002	.00041	.00019	.00031	.00568
%RSD	.06194	2.2449	19.431	134.70	112.76	68.322	59.439
#1	.00003	.02853	.00009	.00059	.00031	-.00066	.00554
#2	.00003	.02945	.00007	.00001	.00003	-.00023	.01357
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00616	-.01144	-.00020	.06959	-.00048	.00142	.00041
SDev	.01684	.00120	.00000	.00000	.00003	.00065	.00009
%RSD	273.47	10.475	.00000	.00000	6.6086	45.833	21.695
#1	-.00575	-.01059	-.00020	.06959	-.00046	.00096	.00035
#2	.01806	-.01229	-.00020	.06959	-.00050	.00188	.00048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00046	-.00157	-.00036	.00383	.00186	-.00048	.00020
SDev	.00006	.00099	.00009	.00360	.00352	.00090	.00021
%RSD	13.501	63.175	24.722	93.898	188.78	190.04	106.46
#1	-.00042	-.00227	-.00042	.00129	-.00062	.00016	.00005
#2	-.00050	-.00087	-.00029	H.00638	.00435	-.00112	.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00245	.00210	.00143	.00171	-.00015	.0128
SDev	.00001	.00072	.00188	.00084	.00002	.0051
%RSD	.32672	34.117	131.63	49.041	15.581	39.56
#1	.00245	.00159	.00010	.00112	-.00017	.0164
#2	.00246	.00260	.00276	.00231	-.00014	.0092
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: CRI Operator: SW
Run Time: 07/08/05 10:11:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00754	.00567	.01986	.00851	.02048	.41566	.41729
SDev	.00235	.00114	.00486	.00272	.00016	.00021	.00067
%RSD	31.239	20.057	24.443	32.036	.79296	.04996	.16014
#1	.00587	.00648	.02330	.01043	.02036	.41581	.41776
#2	.00920	.00487	.01643	.00658	.02059	.41551	.41681
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01091	9.6943	.01081	.10645	.02135	.05336	.20302
SDev	.00000	.0219	.00006	.00020	.00015	.00016	.00417
%RSD	.00018	.22572	.57838	.19220	.69047	.29753	2.0565
#1	.01091	9.6788	.01076	.10630	.02124	.05325	.20007
#2	.01091	9.7098	.01085	.10659	.02145	.05348	.20598
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.7461	9.8463	.03234	8.9315	.08457	.13189	.10647
SDev	.0101	.0072	.00011	.0156	.00006	.00187	.00009
%RSD	.11504	.07328	.32717	.17471	.07444	1.4167	.08389
#1	8.7532	9.8412	.03227	8.9425	.08452	.13321	.10641
#2	8.7390	9.8514	.03242	8.9205	.08461	.13057	.10654
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04752	.00981	.00629	.01229	.02493	.03300	.02082
SDev	.00062	.00145	.00003	.00343	.00252	.00034	.00014
%RSD	1.2952	14.772	.39701	27.949	10.123	1.0216	.68201
#1	.04708	.00878	.00628	.01472	.02672	.03324	.02072
#2	.04796	.01083	.00631	.00986	.02315	.03276	.02092
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20492	.10236	.10085	.02303	.02066	.2006
SDev	.00061	.00222	.00136	.00000	.00002	.0051
%RSD	.29591	2.1706	1.3536	.00817	.11692	2.532
#1	.20450	.10079	.09988	.02303	.02068	.1970
#2	.20535	.10393	.10181	.02303	.02065	.2042
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: ICSA Operator: SW
Run Time: 07/08/05 10:13:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.04519	.01930	.00678	-.00099	.00051	471.44	.00160
SDev	.00330	.00230	.00304	.00674	.00046	1.58	.00018
%RSD	7.3060	11.928	44.885	683.93	90.069	.33476	11.144
#1	-.04752	.02093	.00463	.00378	.00083	470.32	.00172
#2	-.04285	.01768	.00893	-.00575	.00018	472.55	.00147
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00106	513.27	-.00046	.00291	-.00047	-.00165	205.24
SDev	.00001	.27	.00064	.00014	.00011	.00019	.11
%RSD	.74427	.05267	138.77	4.6730	23.341	11.309	.05476
#1	.00106	513.46	-.00001	.00300	-.00039	-.00178	205.16
#2	.00105	513.08	-.00092	.00281	-.00054	-.00152	205.32
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.02991	514.73	.00769	.13225	.00189	.01134	.00340
SDev	.01498	.13	.00011	.00419	.00041	.00438	.00026
%RSD	50.086	.02600	1.3748	3.1700	21.540	38.663	7.7564
#1	-.01932	514.64	.00777	.13521	.00218	.01444	.00359
#2	-.04051	514.83	.00762	.12928	.00160	.00824	.00322
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.03398	-.00260	-.00217	.00160	-.00363	-.00088	.00255
SDev	.00012	.00284	.00044	.00348	.00000	.00147	.00011
%RSD	.36320	109.49	20.111	217.32	.12380	167.80	4.2788
#1	.03406	-.00461	-.00186	.00406	-.00362	.00016	.00247
#2	.03389	-.00059	-.00248	-.00086	-.00363	-.00192	.00262
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000	.00000		.00000
Range	.04000	.02000	.00600	.01000	.02000		.04000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00253	.00282	.00296	.00013	.00741	.0200
SDev	.00103	.00087	.00010	.00083	.00002	.0104
%RSD	40.428	31.017	3.2506	629.92	.32577	52.02
#1	.00326	.00220	.00303	-.00045	.00740	.0274
#2	.00181	.00343	.00289	.00072	.00743	.0127
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.00000	.00000	.00000	.00000	.00000	
Range	.20000	.10000	.10000	.02000	.02000	

Method: 30EL Sample Name: ICSAB Operator: SW
Run Time: 07/08/05 10:15:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00557	.06899	.05203	.04973	.20285	466.88	.45499
SDev	.00257	.00162	.01277	.01098	.00090	1.29	.00142
%RSD	46.191	2.3438	24.544	22.081	.44517	.27726	.31226
#1	-.00375	.06784	.06106	.04197	.20221	465.96	.45398
#2	-.00739	.07013	.04300	.05750	.20348	467.79	.45599
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.46686	508.00	.88033	.43748	.42740	.49557	202.41
SDev	.00066	.26	.00205	.00099	.00061	.00146	.27
%RSD	.14212	.05076	.23313	.22724	.14266	.29500	.13496
#1	.46640	507.82	.87888	.43678	.42697	.49453	202.22
#2	.46733	508.18	.88178	.43818	.42784	.49660	202.60
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.06574	508.10	.44298	.10454	.84588	.55254	.45277
SDev	.00269	.67	.00077	.00001	.00169	.00682	.00100
%RSD	4.0968	.13140	.17442	.00903	.20044	1.2339	.22056
#1	-.06384	507.63	.44243	.10453	.84468	.54772	.45206
#2	-.06765	508.57	.44352	.10454	.84708	.55736	.45347
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.87643	.09397	.04416	.05050	.09198	1.4367	.89286
SDev	.00111	.00334	.00022	.00307	.00118	.0277	.00169
%RSD	.12645	3.5568	.50233	6.0842	1.2789	1.9256	.18937
#1	.87565	.09633	.04400	.04832	.09282	1.4171	.89166
#2	.87721	.09161	.04432	.05267	.09115	1.4563	.89405
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000		1.0000
Range	20.000	20.000	20.000	20.000	20.000		20.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96339	.89243	.91853	.91946	.90192	9.678
SDev	.00287	.00391	.00006	.00441	.00260	.057
%RSD	.29803	.43858	.00635	.48015	.28853	.5939
#1	.96136	.88967	.91849	.91634	.90008	9.638
#2	.96542	.89520	.91857	.92258	.90376	9.719
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	10.00
Range	20.000	20.000	20.000	20.000	20.000	20.00

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/08/05 10:19:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.47730	.47930	.50405	.49796	.50026	51.045	.48177
SDev	.00469	.00125	.01039	.00615	.00084	.009	.00104
%RSD	.98270	.26062	2.0623	1.2358	.16865	.01765	.21568
#1	.47398	.47842	.49670	.49361	.49966	51.039	.48251
#2	.48062	.48018	.51140	.50231	.50086	51.052	.48104
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50406	52.353	.48381	.47948	.47262	.49082	20.746
SDev	.00138	.250	.00165	.00219	.00224	.00092	.050
%RSD	.27299	.47769	.34156	.45650	.47419	.18685	.23860
#1	.50308	52.176	.48264	.47793	.47103	.49147	20.711
#2	.50503	52.530	.48498	.48102	.47420	.49018	20.781
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.895	51.571	.47564	20.793	.47069	.47853	.48109
SDev	.016	.172	.00124	.001	.00167	.00452	.00088
%RSD	.07951	.33309	.26001	.00669	.35373	.94515	.18368
#1	19.906	51.450	.47477	20.794	.46951	.47533	.48047
#2	19.884	51.693	.47652	20.793	.47187	.48173	.48172
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.48656	.48099	.47864	.49999	.50672	.70761	.47011
SDev	.00351	.00152	.00239	.00757	.00284	.00223	.00063
%RSD	.72234	.31650	.50041	1.5132	.55969	.31549	.13387
#1	.48408	.47991	.47694	.49464	.50472	.70919	.46966
#2	.48905	.48207	.48033	.50534	.50873	.70604	.47055
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99091	.25218	.48002	.48600	.48188	9.703
SDev	.00005	.00096	.00494	.00252	.00067	.029
%RSD	.00538	.38120	1.0296	.51914	.13815	.3016
#1	.99095	.25150	.47652	.48422	.48235	9.723
#2	.99087	.25286	.48351	.48779	.48141	9.682
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/08/05 10:24:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00107	-.00102	.00427	.00338	.00055	.03620	-.00012
SDev	.00032	.00128	.00070	.00399	.00005	.00330	.00007
%RSD	29.747	125.45	16.375	118.04	9.6647	9.1077	57.918
#1	-.00129	-.00193	.00377	.00056	.00059	.03854	-.00007
#2	-.00084	-.00012	.00476	.00620	.00051	.03387	-.00017
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00006	.03705	-.00013	.00050	-.00002	-.00101	.00551
SDev	.00000	.00122	.00032	.00007	.00003	.00038	.00239
%RSD	.17194	3.2942	245.91	13.713	128.82	38.015	43.330
#1	-.00006	.03791	.00010	.00054	-.00000	-.00074	.00720
#2	-.00006	.03619	-.00036	.00045	-.00004	-.00128	.00382
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03499	-.00042	-.00033	.06889	-.00064	-.00032	.00029
SDev	.00920	.00280	.00005	.00001	.00019	.00094	.00044
%RSD	26.280	659.06	14.614	.01370	29.525	293.44	154.99
#1	.02849	.00155	-.00029	.06888	-.00050	-.00099	.00060
#2	.04149	-.00240	-.00036	.06890	-.00077	.00034	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00033	.00116	-.00104	.00367	.00275	-.00132	-.00021
SDev	.00012	.00150	.00096	.00289	.00054	.00085	.00015
%RSD	37.439	129.21	92.742	78.733	19.692	64.701	70.938
#1	-.00024	.00222	-.00172	.00163	.00237	-.00071	-.00010
#2	-.00041	.00010	-.00036	H.00572	.00313	-.00192	-.00031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00225	.00062	.00040	.00072	-.00022	.0091
SDev	.00005	.00100	.00042	.00000	.00002	.0081
%RSD	2.1346	161.03	106.29	.43095	9.5541	88.77
#1	.00229	.00133	.00010	.00072	-.00021	.0148
#2	.00222	-.00009	.00069	.00071	-.00024	.0034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: IP050707-2MB Operator: SW
Run Time: 07/08/05 10:26:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00721	.00431	.01223	-.00693	.00071	.18953	.00405
SDev	.00077	.00015	.00088	.00067	.00013	.00043	.00008
%RSD	10.757	3.6029	7.2200	9.6077	18.862	.22924	2.0524
#1	.00775	.00420	.01285	-.00740	.00061	.18984	.00399
#2	.00666	.00442	.01160	-.00646	.00080	.18923	.00410
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00015	.82349	.00013	.00033	.00905	.01291	.25610
SDev	.00000	.00468	.00011	.00003	.00023	.00010	.00005
%RSD	.01346	.56829	87.373	10.323	2.5268	.74720	.02022
#1	-.00015	.82018	.00005	.00030	.00888	.01298	.25607
#2	-.00015	.82680	.00021	.00035	.00921	.01284	.25614
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.02563	.19325	.00482	3.1610	.00408	-.00650	.00067
SDev	.00960	.00130	.00006	.0094	.00053	.00090	.00009
%RSD	37.442	.67174	1.1975	.29644	13.050	13.874	13.103
#1	-.03241	.19233	.00478	3.1544	.00371	-.00587	.00061
#2	-.01884	.19417	.00486	3.1677	.00446	-.00714	.00073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.18664	.01126	.00527	-.00055	-.01599	-.00007	.00245
SDev	.00105	.00048	.00015	.00015	.00070	.00034	.00006
%RSD	.56128	4.2732	2.9310	27.212	4.3683	452.10	2.2245
#1	.18590	.01160	.00538	-.00066	-.01549	-.00031	.00249
#2	.18738	.01092	.00516	-.00045	-.01648	.00016	.00241
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01152	.23042	.01722	.00300	.00564	.0226
SDev	.00006	.00173	.00033	.00042	.00001	.0053
%RSD	.54764	.75089	1.9175	13.870	.10700	23.47
#1	.01156	.22920	.01699	.00330	.00564	.0189
#2	.01147	.23165	.01745	.00271	.00565	.0264
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: IP050707-2LCS Operator: SW
Run Time: 07/08/05 10:28:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00848	.00376	.01797	-.00097	.00028	.28900	.21717
SDev	.00170	.00054	.00580	.00234	.00026	.00133	.00060
%RSD	20.011	14.331	32.296	241.61	92.348	.46049	.27395
#1	.00968	.00414	.02208	.00069	.00010	.28806	.21759
#2	.00728	.00338	.01387	-.00263	.00046	.28994	.21675
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00524	.50705	.00526	.05311	.01461	.06701	.32857
SDev	.00003	.00313	.00023	.00027	.00045	.00023	.00931
%RSD	.60406	.61701	4.3731	.51389	3.1068	.34287	2.8334
#1	.00521	.50484	.00510	.05292	.01429	.06717	.32199
#2	.00526	.50926	.00542	.05331	.01493	.06685	.33516
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.03313	.08331	.02124	3.0801	.04977	-.00697	.05426
SDev	.02727	.00499	.00014	.0126	.00125	.00296	.00044
%RSD	82.323	5.9926	.67919	.40993	2.5202	42.422	.81860
#1	-.05241	.07978	.02114	3.0891	.04888	-.00906	.05394
#2	-.01384	.08684	.02134	3.0712	.05065	-.00488	.05457
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.16838	.01260	.00533	.00534	-.00431	-.00091	.00259
SDev	.00123	.00007	.00093	.00350	.00298	.00085	.00016
%RSD	.73157	.57434	17.339	65.490	69.080	93.096	6.2114
#1	.16751	.01265	.00599	.00781	-.00641	-.00031	.00247
#2	.16925	.01255	.00468	.00287	-.00220	-.00152	.00270
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01058	.23738	.01545	.00290	.00341	.0046
SDev	.00092	.00073	.00009	.00001	.00001	.0150
%RSD	8.7306	.30708	.58929	.19609	.35460	327.4
#1	.00992	.23789	.01552	.00289	.00340	-.0060
#2	.01123	.23686	.01539	.00290	.00341	.0152
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: IP050707-2LCSD Operator: SW
Run Time: 07/08/05 10:30:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00750	.00510	.01441	-.00000	.00052	.32037	.21902
SDev	.00031	.00087	.01255	.00101	.00015	.00049	.00045
%RSD	4.1356	17.061	87.108	48894.	28.262	.15183	.20645
#1	.00728	.00448	.02328	-.00072	.00063	.32071	.21870
#2	.00771	.00571	.00553	.00072	.00042	.32003	.21934
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00528	.67099	.00559	.05340	.00647	.03636	.44320
SDev	.00000	.00063	.00003	.00014	.00008	.00007	.00173
%RSD	.00077	.09432	.49761	.25636	1.1916	.18604	.39048
#1	.00528	.67054	.00561	.05350	.00652	.03641	.44443
#2	.00528	.67143	.00557	.05331	.00641	.03631	.44198
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.01027	.10506	.02619	3.2459	.04692	-.00602	.05494
SDev	.00471	.00100	.00001	.0125	.00020	.00109	.00018
%RSD	45.890	.95043	.03672	.38459	.43463	18.051	.32516
#1	-.00694	.10577	.02620	3.2371	.04706	-.00525	.05507
#2	-.01361	.10436	.02619	3.2548	.04677	-.00678	.05482
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.08479	.01434	.00590	.00480	-.00487	-.00051	.00337
SDev	.00080	.00092	.00068	.00350	.00099	.00028	.00001
%RSD	.94424	6.3814	11.589	73.030	20.395	55.302	.30974
#1	.08536	.01499	.00541	.00727	-.00417	-.00031	.00338
#2	.08423	.01370	.00638	.00232	-.00557	-.00071	.00336
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01160	.23185	.01712	.00191	.00303	.0118
SDev	.00097	.00012	.00094	.00028	.00001	.0060
%RSD	8.3588	.05176	5.5002	14.780	.19956	50.62
#1	.01229	.23176	.01778	.00211	.00303	.0161
#2	.01092	.23193	.01645	.00171	.00302	.0076
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507031-1 Operator: SW
Run Time: 07/08/05 10:32:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.10236	.10337	.00908	-.00317	.00144	25.633	.58941
SDev	.00117	.00293	.00209	.00036	.00029	.013	.00112
%RSD	1.1408	2.8352	22.986	11.247	20.103	.04976	.19078
#1	.10318	.10130	.00761	-.00292	.00123	25.624	.58862
#2	.10153	.10544	.01056	-.00343	.00164	25.642	.59021
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00254	59.527	.00129	.02246	.07219	.24804	53.814
SDev	.00000	.244	.00022	.00024	.00038	.00021	.152
%RSD	.00702	.40917	17.283	1.0536	.52502	.08433	.28168
#1	.00254	59.355	.00113	.02229	.07192	.24789	53.707
#2	.00254	59.699	.00144	.02263	.07245	.24819	53.921
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.8081	9.9068	1.0360	8.4948	.05568	.00729	.11473
SDev	.0005	.0368	.0033	.0059	.00030	.00175	.00079
%RSD	.00593	.37128	.32074	.06922	.53540	24.048	.69131
#1	8.8077	9.8808	1.0337	8.4990	.05547	.00853	.11417
#2	8.8084	9.9329	1.0384	8.4907	.05589	.00605	.11529
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.75476	.03315	.10303	.00091	-.01751	.04081	.63542
SDev	.00451	.00081	.00157	.00046	.00009	.00133	.00140
%RSD	.59682	2.4435	1.5199	50.373	.51793	3.2566	.22001
#1	.75158	.03372	.10192	.00058	-.01745	.04175	.63444
#2	.75795	.03258	.10414	.00123	-.01758	.03987	.63641
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07365	6.5832	.04097	.00967	.24999	.0169
SDev	.00078	.0125	.00014	.00041	.00050	.0062
%RSD	1.0621	.19013	.34633	4.2574	.19847	36.61

#1	.07310	6.5744	.04087	.00996	.24964	.0125
#2	.07421	6.5921	.04107	.00937	.25034	.0212
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507031-2 Operator: SW
Run Time: 07/08/05 10:34:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05683	.05248	.01519	-.00167	.00200	7.3893	.33553
SDev	.00198	.00054	.00345	.00150	.00039	.0072	.00011
%RSD	3.4789	1.0290	22.706	89.458	19.582	.09772	.03197
#1	.05823	.05210	.01763	-.00273	.00172	7.3944	.33561
#2	.05543	.05287	.01275	-.00061	.00227	7.3842	.33545
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00053	19.500	.00088	.00762	.03484	.16917	15.312
SDev	.00000	.064	.00012	.00034	.00040	.00024	.036
%RSD	.00765	.32826	13.801	4.4766	1.1385	.14465	.23432
#1	.00053	19.454	.00079	.00738	.03456	.16935	15.287
#2	.00053	19.545	.00096	.00786	.03512	.16900	15.337
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.3014	3.5894	.33635	4.5461	.02821	.00824	.03415
SDev	.0022	.0103	.00074	.0060	.00034	.00265	.00018
%RSD	.05103	.28692	.22089	.13303	1.2239	32.186	.52712
#1	4.2999	3.5821	.33582	4.5504	.02796	.00636	.03402
#2	4.3030	3.5966	.33687	4.5418	.02845	.01011	.03427
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.30067	.01884	.05393	.00394	-.01090	.01240	.29933
SDev	.00142	.00144	.00030	.00015	.00251	.00036	.00039
%RSD	.47124	7.6637	.55282	3.8060	23.059	2.9090	.13070

#1	.29967	.01986	.05414	.00405	-.00913	.01215	.29905
#2	.30167	.01782	.05372	.00384	-.01268	.01266	.29961
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07551	2.4822	.04034	.00615	.13930	.0311
SDev	.00040	.0015	.00184	.00014	.00002	.0139
%RSD	.53324	.06203	4.5527	2.3369	.01523	44.72
#1	.07522	2.4811	.03904	.00605	.13929	.0213
#2	.07579	2.4833	.04164	.00625	.13932	.0409
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507031-3 Operator: SW
Run Time: 07/08/05 10:36:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08408	.08676	.01407	-.00306	.00100	37.220	1.0619
SDev	.00277	.00317	.00514	.00203	.00052	.072	.0003
%RSD	3.2972	3.6566	36.567	66.137	51.810	.19311	.02496
#1	.08604	.08452	.01043	-.00449	.00064	37.271	1.0621
#2	.08212	.08901	.01770	-.00163	.00137	37.169	1.0617
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00388	47.729	.00008	.03309	.09054	.26968	77.411
SDev	.00000	.091	.00002	.00007	.00030	.00036	.120
%RSD	.00308	.19044	31.341	.20971	.32809	.13456	.15484
#1	.00388	47.665	.00006	.03314	.09033	.26993	77.326
#2	.00388	47.793	.00009	.03304	.09075	.26942	77.496
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.6304	11.723	1.3639	6.5481	.08524	.01090	.14933
SDev	.0131	.007	.0027	.0159	.00002	.00160	.00053
%RSD	.13628	.06246	.19870	.24274	.01828	14.633	.35522

#1	9.6397	11.718	1.3620	6.5593	.08523	.00977	.14895
#2	9.6211	11.728	1.3658	6.5368	.08525	.01203	.14970
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.59306	.04056	.08587	.00264	-.01640	.05843	.74253
SDev	.00197	.00158	.00119	.00306	.00228	.00454	.00052
%RSD	.33278	3.8882	1.3893	115.97	13.906	7.7684	.07071
#1	.59167	.03945	.08503	.00048	-.01802	.06164	.74216
#2	.59446	.04168	.08671	.00481	-.01479	.05522	.74290
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08369	8.4466	.04220	.01132	.25207	.0227
SDev	.00053	.0047	.00099	.00000	.00003	.0070
%RSD	.63779	.05584	2.3370	.02312	.01088	30.85
#1	.08331	8.4500	.04290	.01132	.25205	.0178
#2	.08407	8.4433	.04150	.01133	.25209	.0277
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507031-4 Operator: SW
Run Time: 07/08/05 10:38:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.11594	.11517	.01820	-.00373	.00138	22.030	.81012
SDev	.00382	.00126	.00799	.00552	.00006	.061	.00277
%RSD	3.2968	1.0945	43.870	147.95	4.0447	.27860	.34219
#1	.11865	.11428	.02385	-.00764	.00142	21.987	.80816
#2	.11324	.11607	.01256	.00017	.00134	22.073	.81208
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00163	73.070	.00228	.01807	.09054	1.4791	49.593
SDev	.00002	.244	.00004	.00024	.00015	.0036	.123
%RSD	1.4509	.33387	1.6401	1.3116	.16584	.24589	.24812

#1	.00162	72.898	.00225	.01791	.09043	1.4765	49.506
#2	.00165	73.243	.00231	.01824	.09064	1.4816	49.680
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	7.9551	10.103	1.0205	7.6080	.04685	.02108	.08807
SDev	.0147	.029	.0030	.0197	.00071	.00422	.00044
%RSD	.18503	.28870	.29417	.25851	1.5061	20.003	.49847
#1	7.9447	10.083	1.0183	7.5941	.04635	.02407	.08776
#2	7.9655	10.124	1.0226	7.6219	.04735	.01810	.08838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	3.4788	.02621	.11543	.00357	-.01703	.03229	.72582
SDev	.0124	.00241	.00043	.00102	.00376	.00068	.00138
%RSD	.35508	9.2018	.37428	28.676	22.089	2.0916	.19069
#1	3.4701	.02792	.11574	.00285	-.01437	.03276	.72484
#2	3.4875	.02451	.11512	.00430	-.01969	.03181	.72680
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19565	5.3081	.04320	.01113	.37209	.0227
SDev	.00118	.0162	.00042	.00055	.00123	.0013
%RSD	.60049	.30610	.97921	4.9463	.33186	5.594
#1	.19482	5.2967	.04290	.01152	.37122	.0218
#2	.19648	5.3196	.04350	.01074	.37296	.0236
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507031-5 Operator: SW
Run Time: 07/08/05 10:40:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.06484	.06732	.01772	-.00281	.00155	16.783	.49256
SDev	.00086	.00088	.00581	.00021	.00046	.003	.00048
%RSD	1.3323	1.3050	32.797	7.3250	29.905	.01505	.09701

#1	.06545	.06670	.02182	-.00267	.00122	16.784	.49222
#2	.06423	.06794	.01361	-.00296	.00187	16.781	.49290
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00162	50.487	.00095	.01660	.05232	.18739	33.361
SDev	.00001	.223	.00005	.00030	.00055	.00001	.126
%RSD	.48381	.44137	5.3674	1.8228	1.0588	.00721	.37868
#1	.00162	50.330	.00091	.01638	.05193	.18738	33.271
#2	.00163	50.645	.00099	.01681	.05271	.18740	33.450
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	6.5499	7.0857	.78176	5.6545	.04503	.00848	.08326
SDev	.0051	.0206	.00291	.0056	.00005	.00444	.00035
%RSD	.07722	.29106	.37191	.09968	.10354	52.378	.42251
#1	6.5535	7.0711	.77970	5.6585	.04506	.00534	.08301
#2	6.5463	7.1003	.78381	5.6505	.04500	.01162	.08351
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49370	.02501	.06649	.00402	-.01701	.02652	.51594
SDev	.00092	.00015	.00030	.00207	.00179	.00000	.00255
%RSD	.18627	.59346	.44861	51.524	10.502	.00000	.49437
#1	.49305	.02511	.06628	.00549	-.01575	.02652	.51413
#2	.49435	.02490	.06670	.00256	-.01827	.02652	.51774
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07881	5.0366	.03449	.00801	.26689	.0307
SDev	.00049	.0136	.00146	.00055	.00035	.0052
%RSD	.61874	.27050	4.2272	6.8757	.13009	17.05
#1	.07847	5.0270	.03346	.00840	.26664	.0270
#2	.07916	5.0463	.03552	.00762	.26713	.0344
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00

Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507031-6 Operator: SW
Run Time. 07/08/05 10:42:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09103	.09219	.01543	-.00253	.00103	24.685	.61388
SDev	.00376	.00240	.00230	.00036	.00063	.045	.00110
%RSD	4.1260	2.6003	14.921	14.242	61.267	.18163	.17934
#1	.09369	.09050	.01706	-.00279	.00058	24.716	.61466
#2	.08838	.09389	.01380	-.00228	.00148	24.653	.61310
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00221	44.333	.00023	.02108	.08080	.18225	55.625
SDev	.00002	.359	.00025	.00099	.00094	.00059	.371
%RSD	1.0663	.80931	108.14	4.6820	1.1622	.32335	.66675
#1	.00219	44.080	.00005	.02038	.08014	.18266	55.363
#2	.00223	44.587	.00041	.02178	.08147	.18183	55.887
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.6202	10.262	1.0043	7.7424	.05586	.00699	.11237
SDev	.0148	.067	.0055	.0287	.00141	.00268	.00097
%RSD	.17144	.64857	.55126	.37019	2.5273	38.371	.86543
#1	8.6306	10.215	1.0004	7.7627	.05487	.00510	.11168
#2	8.6097	10.309	1.0082	7.7222	.05686	.00889	.11305
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.54374	.02936	.09181	.00345	-.01710	.03987	.78964
SDev	.00555	.00018	.00035	.00053	.00259	.00200	.00191
%RSD	1.0205	.63063	.37931	15.254	15.177	5.0084	.24184
#1	.53982	.02923	.09156	.00382	-.01526	.03845	.78829
#2	.54766	.02949	.09205	.00308	-.01893	.04128	.79099
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000

Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07246	6.1822	.04006	.01006	.20489	.0193
SDev	.00102	.0097	.00024	.00041	.00011	.0191
%RSD	1.4110	.15736	.59506	4.0422	.05488	99.37
#1	.07174	6.1753	.03989	.01034	.20497	.0057
#2	.07319	6.1891	.04023	.00977	.20481	.0328
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: IP050707-3MB Operator: SW
Run Time: 07/08/05 10:46:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00136	-.00082	.00335	-.00310	.00104	.03178	.00014
SDev	.00275	.00089	.00369	.00443	.00045	.00119	.00004
%RSD	202.67	107.84	110.15	142.63	43.115	3.7446	25.950
#1	-.00331	-.00019	.00074	.00003	.00135	.03094	.00016
#2	.00059	-.00145	.00596	-.00624	.00072	.03263	.00011
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00006	.05223	-.00024	.00035	.00032	-.00062	.02791
SDev	.00001	.00228	.00008	.00020	.00005	.00003	.00230
%RSD	12.564	4.3737	34.412	58.577	16.006	4.3314	8.2530
#1	-.00007	.05061	-.00030	.00049	.00035	-.00060	.02628
#2	-.00006	.05384	-.00018	.00020	.00028	-.00064	.02953
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05802	-.00854	.00015	.08872	-.00031	-.00080	.00041
SDev	.01398	.00070	.00001	.00094	.00006	.00019	.00009
%RSD	24.090	8.1808	6.5424	1.0640	20.466	23.466	21.926
#1	.06790	-.00805	.00014	.08805	-.00035	-.00093	.00047
#2	.04814	-.00904	.00015	.08939	-.00026	-.00067	.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00699	-.00022	-.00100	-.00096	.00773	-.00091	.00032
SDev	.00025	.00279	.00033	.00173	.00085	.00085	.00003
%RSD	3.5268	1262.2	32.622	180.54	10.988	93.096	10.121
#1	.00716	.00175	-.00123	.00026	.00833	-.00031	.00030
#2	.00681	-.00220	-.00077	-.00218	.00713	-.00152	.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00171	.00914	.00146	-.00027	-.00018	.0187
SDev	.00009	.00092	.00080	.00026	.00002	.0106
%RSD	5.1587	10.056	54.806	97.102	9.7966	56.55
#1	.00178	.00849	.00203	-.00046	-.00020	.0262
#2	.00165	.00979	.00090	-.00008	-.00017	.0112
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/08/05 10:48:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48431	.48454	.51023	.50314	.50508	51.935	.48833
SDev	.00294	.00244	.00452	.01246	.00136	.067	.00037
%RSD	.60600	.50399	.88618	2.4767	.26980	.12846	.07583
#1	.48224	.48281	.51343	.49433	.50412	51.888	.48807
#2	.48639	.48626	.50703	.51195	.50605	51.982	.48859
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.51090	53.366	.49346	.48418	.47802	.49534	21.006
SDev	.00242	.379	.00310	.00304	.00297	.00054	.092
%RSD	.47452	.71083	.62869	.62850	.62108	.10831	.43616
#1	.50918	53.097	.49127	.48203	.47592	.49572	20.941
#2	.51261	53.634	.49566	.48634	.48012	.49497	21.070
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.000	52.338	.48180	20.969	.47844	.48616	.48682
SDev	.008	.241	.00224	.004	.00220	.00597	.00169
%RSD	.04176	.46141	.46526	.01917	.45966	1.2272	.34740
#1	20.006	52.167	.48022	20.966	.47688	.48194	.48563
#2	19.994	52.509	.48339	20.971	.47999	.49038	.48802
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49532	.48593	.48446	.50550	.51153	.72812	.47600
SDev	.00456	.00351	.00261	.00681	.00022	.01672	.00125
%RSD	.92104	.72284	.53795	1.3464	.04340	2.2969	.26299
#1	.49209	.48345	.48262	.50069	.51138	.73995	.47511
#2	.49854	.48841	.48631	.51031	.51169	.71629	.47688
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0022	.25731	.48756	.48900	.48942	9.915
SDev	.0044	.00115	.00198	.00294	.00042	.026
%RSD	.44379	.44889	.40698	.60179	.08527	.2587
#1	.99905	.25650	.48615	.48692	.48913	9.897
#2	1.0053	.25813	.48896	.49108	.48972	9.933
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/08/05 10:52:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00104	-.00132	.00316	-.00026	.00090	.01000	-.00009
SDev	.00147	.00123	.00198	.00266	.00035	.00260	.00007
%RSD	140.79	93.228	62.675	1016.5	38.435	26.017	79.670
#1	.00000	-.00045	.00176	.00162	.00115	.01183	-.00004
#2	.00208	-.00219	.00456	-.00214	.00066	.00816	-.00014
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00006	.03340	-.00004	.00054	-.00004	-.00109	.01187
SDev	.00000	.00056	.00003	.00020	.00037	.00013	.00345
%RSD	.03417	1.6793	91.415	37.690	1026.7	12.313	29.091
#1	-.00006	.03380	-.00001	.00069	.00022	-.00100	.01431
#2	-.00006	.03301	-.00006	.00040	-.00029	-.00119	.00943
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07827	-.00628	-.00025	.06983	-.00053	.00177	.00029
SDev	.00136	.00170	.00004	.00024	.00009	.00163	.00009
%RSD	1.7376	27.011	15.132	.35143	17.813	92.371	31.884
#1	.07731	-.00508	-.00023	.07001	-.00059	.00061	.00035
#2	.07923	-.00748	-.00028	.06966	-.00046	.00292	.00022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00033	-.00109	-.00053	.00088	.00414	-.00172	.00002
SDev	.00025	.00016	.00033	.00111	.00056	.00028	.00015
%RSD	75.059	14.357	62.162	126.73	13.381	16.526	597.62
#1	-.00050	-.00098	-.00030	.00167	.00375	-.00192	.00013
#2	-.00015	-.00120	-.00077	.00009	.00454	-.00152	-.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00224	.00192	.00033	.00052	-.00018	.0157
SDev	.00059	.00023	.00033	.00029	.00002	.0093
%RSD	26.468	12.081	98.758	55.470	8.2592	59.01
#1	.00266	.00176	.00010	.00072	-.00017	.0223
#2	.00182	.00209	.00056	.00032	-.00019	.0092
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: IP050707-3LCS Operator: SW
Run Time: 07/08/05 10:54:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.51049	.50896	2.2143	2.1860	.05292	2.0052	1.9662
SDev	.00069	.00221	.0079	.0237	.00015	.0017	.0028
%RSD	.13559	.43367	.35613	1.0838	.28246	.08290	.14088
#1	.51098	.50739	2.2199	2.1693	.05281	2.0041	1.9681
#2	.51000	.51052	2.2087	2.2028	.05303	2.0064	1.9642
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05243	41.285	.05150	.50061	.19589	.25237	.92686
SDev	.00004	.057	.00007	.00149	.00021	.00005	.00058
%RSD	.07551	.13800	.13642	.29841	.10543	.02001	.06251
#1	.05246	41.325	.05155	.50167	.19575	.25233	.92645
#2	.05240	41.245	.05145	.49955	.19604	.25240	.92727
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	37.424	41.000	.49447	38.688	.49608	.50718	.50132
SDev	.039	.006	.00069	.000	.00149	.00284	.00050
%RSD	.10323	.01509	.13876	.00024	.30069	.55979	.10004
#1	37.452	41.005	.49495	38.688	.49713	.50918	.50167
#2	37.397	40.996	.49398	38.688	.49502	.50517	.50096
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.51540	2.0401	.50947	2.1954	2.1370	.73620	.48880
SDev	.00019	.0026	.00124	.0132	.0041	.00585	.00067
%RSD	.03619	.12825	.24372	.60015	.19110	.79474	.13635
#1	.51527	2.0382	.50859	2.1861	2.1399	.74034	.48927
#2	.51553	2.0419	.51034	2.2047	2.1341	.73207	.48833
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0690	1.9231	.48903	.98669	.48305	.0215
SDev	.0024	.0004	.00283	.00746	.00084	.0037
%RSD	.22441	.01975	.57805	.75591	.17340	17.10
#1	1.0707	1.9234	.49103	.98142	.48364	.0189
#2	1.0673	1.9229	.48703	.99197	.48246	.0241
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: 0507008-1 Operator: SW
Run Time: 07/08/05 11:00:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00023	.00589	.00387	.00311	.00077	6.6193	.04044
SDev	.00192	.00024	.00636	.00140	.00047	.0466	.00010
%RSD	847.20	4.1092	164.37	44.907	60.359	.70368	.23482
#1	.00113	.00572	.00837	.00212	.00044	6.6523	.04050
#2	-.00159	.00606	-.00063	.00410	.00110	6.5864	.04037
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00375	62.919	.00683	.00710	.00208	.04353	1.3057
SDev	.00002	.067	.00021	.00020	.00054	.00001	.0039
%RSD	.63241	.10619	3.0882	2.8737	25.713	.01424	.30060
#1	.00373	62.872	.00668	.00696	.00171	.04353	1.3084
#2	.00377	62.966	.00698	.00725	.00246	.04354	1.3029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.1213	27.907	2.1512	8.2974	.11491	-.00038	.00185
SDev	.0001	.030	.0007	.0646	.00045	.00391	.00036
%RSD	.00684	.10667	.03244	.77831	.39535	1040.4	19.168
#1	2.1214	27.928	2.1507	8.3431	.11523	-.00314	.00160
#2	2.1212	27.886	2.1517	8.2518	.11459	.00239	.00210
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.1460	.00224	.00385	.00336	.00766	.01544	.01676
SDev	.0040	.00148	.00048	.00119	.00153	.00178	.00030
%RSD	.35070	65.994	12.440	35.337	19.926	11.511	1.8090
#1	1.1432	.00119	.00419	.00420	.00874	.01418	.01654
#2	1.1488	.00328	.00351	.00252	.00658	.01669	.01697
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00855	8.0217	.00099	.00172	.39974	.0264
SDev	.00026	.0329	.00033	.00028	.00137	.0140
%RSD	3.0509	.41069	32.855	16.013	.34212	53.15
#1	.00837	8.0450	.00122	.00191	.40070	.0165
#2	.00874	7.9984	.00076	.00152	.39877	.0363
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507008-1D Operator: SW
Run Time: 07/08/05 11:02:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00066	.00403	.01295	-.00110	.00048	6.5161	.03120
SDev	.00136	.00122	.00036	.00226	.00010	.0223	.00004
%RSD	207.23	30.328	2.7891	205.16	21.431	.34251	.11412
#1	-.00031	.00489	.01270	-.00270	.00056	6.5318	.03122
#2	.00162	.00317	.01321	.00050	.00041	6.5003	.03117
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00372	62.787	.00687	.00667	.00129	.04300	1.1061
SDev	.00001	.056	.00001	.00020	.00015	.00023	.0033
%RSD	.21395	.08880	.19672	3.0720	11.526	.54099	.30141
#1	.00371	62.748	.00686	.00652	.00139	.04317	1.1037
#2	.00372	62.827	.00688	.00681	.00118	.04284	1.1084
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.0775	27.770	2.1313	8.3137	.11393	-.00348	.00141
SDev	.0017	.011	.0017	.0346	.00005	.00191	.00009
%RSD	.08402	.03961	.07929	.41575	.04103	54.909	6.4289
#1	2.0787	27.778	2.1301	8.3382	.11396	-.00213	.00147
#2	2.0762	27.763	2.1325	8.2893	.11390	-.00483	.00134
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.1369	.00205	.00291	.00358	.00665	.01619	.01448
SDev	.0019	.00061	.00036	.00163	.00041	.00071	.00018
%RSD	.16866	29.636	12.402	45.462	6.2071	4.3746	1.2616
#1	1.1355	.00162	.00316	.00243	.00635	.01669	.01461
#2	1.1383	.00248	.00265	.00473	.00694	.01569	.01435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00697	7.8504	.00189	.00062	.39778	.0182
SDev	.00038	.0209	.00009	.00043	.00045	.0040
%RSD	5.4575	.26642	4.9351	68.924	.11382	22.16
#1	.00724	7.8651	.00182	.00092	.39810	.0211
#2	.00670	7.8356	.00196	.00032	.39746	.0154
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507008-1L 5X Operator: SW
Run Time: 07/08/05 11:04:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00044	.00043	.00859	.00232	.00068	1.2821	.00826
SDev	.00100	.00072	.00484	.00091	.00008	.0050	.00001
%RSD	226.22	166.90	56.314	39.092	12.160	.39146	.14368
#1	.00027	-.00008	.00517	.00297	.00074	1.2785	.00827
#2	-.00115	.00094	.01201	.00168	.00062	1.2856	.00825
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00067	12.094	.00127	.00165	.00028	.00796	.26303
SDev	.00002	.002	.00002	.00014	.00013	.00042	.00679
%RSD	2.3599	.01483	1.5718	8.2807	45.746	5.3137	2.5810
#1	.00068	12.093	.00129	.00175	.00019	.00826	.26783
#2	.00066	12.095	.00126	.00156	.00037	.00766	.25823
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.42606	5.5582	.44796	1.5086	.02352	-.00101	.00066
SDev	.01185	.0009	.00035	.0055	.00056	.00153	.00009
%RSD	2.7822	.01620	.07763	.36434	2.3993	150.63	13.575
#1	.43444	5.5576	.44772	1.5047	.02392	.00007	.00072
#2	.41768	5.5589	.44821	1.5125	.02312	-.00209	.00060
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.23648	-.00031	.00014	.00441	.00303	.00313	.00326
SDev	.00068	.00109	.00015	.00100	.00127	.00080	.00012
%RSD	.28654	351.46	104.81	22.774	41.891	25.354	3.7588
#1	.23696	-.00108	.00004	.00370	.00393	.00257	.00334
#2	.23600	.00046	.00025	.00512	.00214	.00370	.00317
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00234	1.5871	.00050	.00012	.08177	.0195
SDev	.00032	.0026	.00085	.00028	.00025	.0018
%RSD	13.676	.16513	170.07	239.17	.31089	9.203
#1	.00257	1.5852	-.00010	.00032	.08159	.0207
#2	.00212	1.5890	.00110	-.00008	.08195	.0182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507008-1MS Operator: SW
Run Time: 07/08/05 11:06:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49702	.50491	2.1924	2.1878	.05211	8.5045	1.9866
SDev	.00349	.00501	.0147	.0110	.00042	.0326	.0084
%RSD	.70150	.99150	.67232	.50160	.80126	.38329	.42273
#1	.49455	.50845	2.1820	2.1800	.05241	8.4815	1.9807
#2	.49948	.50137	2.2029	2.1955	.05181	8.5276	1.9926
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05452	104.79	.05703	.48930	.18976	.29209	1.8958
SDev	.00007	.21	.00043	.00031	.00088	.00123	.0019
%RSD	.13130	.20214	.75101	.06416	.46520	.42007	.10193
#1	.05457	104.94	.05733	.48908	.19038	.29122	1.8944
#2	.05447	104.64	.05673	.48953	.18914	.29296	1.8972
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	40.623	68.653	2.5574	47.173	.58964	.50346	.49052
SDev	.177	.031	.0011	.185	.00056	.00737	.00054
%RSD	.43585	.04449	.04359	.39320	.09567	1.4632	.11088
#1	40.498	68.674	2.5582	47.042	.59004	.50866	.49014
#2	40.748	68.631	2.5566	47.304	.58924	.49825	.49090
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.5866	2.0350	.50228	2.1893	2.0797	.78042	.48971
SDev	.0073	.0040	.00218	.0122	.0001	.06839	.00185
%RSD	.45707	.19582	.43363	.55853	.00519	8.7628	.37707
#1	1.5918	2.0378	.50382	2.1807	2.0798	.73207	.48840
#2	1.5815	2.0322	.50074	2.1980	2.0796	.82878	.49101
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0774	9.7685	.47570	.96597	.86977	.0149
SDev	.0008	.0266	.00424	.00532	.00315	.0167
%RSD	.07141	.27272	.89243	.55077	.36178	112.3
#1	1.0768	9.7497	.47870	.96221	.86755	.0267
#2	1.0779	9.7873	.47270	.96974	.87200	.0031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507008-1MSD Operator: SW
Run Time: 07/08/05 11:08:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.50438	.50100	2.2080	2.1954	.05202	8.4515	1.9771
SDev	.00312	.00394	.0097	.0003	.00013	.0013	.0034
%RSD	.61756	.78672	.44001	.01253	.25542	.01590	.17284
#1	.50659	.49821	2.2148	2.1956	.05193	8.4505	1.9747
#2	.50218	.50379	2.2011	2.1952	.05211	8.4524	1.9795
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05469	105.02	.05723	.49038	.19149	.29195	1.8947
SDev	.00002	.26	.00012	.00065	.00013	.00032	.0166
%RSD	.02882	.24780	.20055	.13173	.06827	.10882	.87488
#1	.05471	105.20	.05715	.49084	.19158	.29172	1.9064
#2	.05468	104.84	.05731	.48992	.19140	.29217	1.8830
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	40.405	68.612	2.5600	46.987	.59096	.50014	.49244
SDev	.042	.068	.0005	.040	.00033	.00259	.00052
%RSD	.10460	.09889	.01773	.08498	.05559	.51775	.10587
#1	40.375	68.660	2.5603	47.015	.59073	.49831	.49281
#2	40.435	68.564	2.5597	46.959	.59119	.50197	.49207
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.5879	2.0427	.50213	2.1996	2.1117	.79384	.48971
SDev	.0053	.0028	.00159	.0034	.0046	.01500	.00013
%RSD	.33161	.13760	.31700	.15542	.21981	1.8897	.02699
#1	1.5917	2.0407	.50100	2.2020	2.1150	.78323	.48962
#2	1.5842	2.0447	.50325	2.1972	2.1084	.80445	.48980
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0797	9.6834	.47833	.97991	.86691	.0095
SDev	.0017	.0065	.00033	.00187	.00123	.0040
%RSD	.16084	.06745	.06882	.19040	.14201	42.51

#1	1.0785	9.6880	.47857	.97859	.86604	.0066
#2	1.0809	9.6788	.47810	.98123	.86778	.0123
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507008-2 Operator: SW
Run Time: 07/08/05 11:12:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00205	.00041	.00856	-.00000	.00012	5.7204	.02062
SDev	.00191	.00017	.00001	.00077	.00012	.0120	.00012
%RSD	93.331	42.160	.07038	24355.	105.83	.21004	.57558
#1	-.00070	.00029	.00857	-.00055	.00020	5.7289	.02053
#2	-.00340	.00053	.00856	.00054	.00003	5.7119	.02070
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00357	63.260	.00675	.00720	.00005	.03109	.00206
SDev	.00001	.118	.00015	.00010	.00007	.00033	.00082
%RSD	.22156	.18652	2.2831	1.4240	133.49	1.0585	39.598
#1	.00358	63.343	.00686	.00727	.00010	.03132	.00264
#2	.00357	63.177	.00664	.00713	.00000	.03086	.00149
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.8580	27.848	2.0655	8.2208	.11329	-.00083	.00004
SDev	.0088	.034	.0012	.0189	.00014	.00179	.00009
%RSD	.47416	.12030	.05895	.22984	.12463	214.73	197.81
#1	1.8642	27.871	2.0663	8.2341	.11339	-.00210	.00011
#2	1.8518	27.824	2.0646	8.2074	.11319	.00043	-.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.1371	.00258	-.00041	.00285	.00858	.01291	.00029
SDev	.0016	.00056	.00052	.00051	.00056	.00180	.00017
%RSD	.14136	21.599	127.17	18.015	6.5853	13.938	60.266
#1	1.1382	.00219	-.00004	.00249	.00897	.01418	.00041
#2	1.1359	.00298	-.00078	.00321	.00818	.01164	.00016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00833	6.7720	.00089	.00329	.39794	.0069
SDev	.00010	.0073	.00075	.00028	.00032	.0014
%RSD	1.2345	.10796	84.040	8.4494	.07995	19.85
#1	.00826	6.7772	.00143	.00349	.39771	.0059
#2	.00840	6.7668	.00036	.00310	.39816	.0078
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507008-3 Operator: SW
Run Time: 07/08/05 11:14:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00051	.00452	.00372	.00186	.00107	6.6977	.02296
SDev	.00121	.00093	.00230	.00441	.00036	.0019	.00010
%RSD	237.84	20.573	61.782	236.84	33.415	.02841	.41338
#1	-.00136	.00386	.00210	-.00126	.00132	6.6964	.02290
#2	.00035	.00518	.00535	.00498	.00081	6.6990	.02303
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00194	100.26	.00507	.01693	.00124	.09460	.76653
SDev	.00001	.23	.00020	.00014	.00014	.00023	.01074
%RSD	.40792	.22628	3.9837	.81458	11.197	.24680	1.4013
#1	.00195	100.42	.00521	.01703	.00134	.09476	.77413
#2	.00194	100.10	.00492	.01683	.00114	.09443	.75894
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.1034	30.945	2.5289	13.853	.06752	.00216	.00112
SDev	.0015	.043	.0032	.004	.00013	.00074	.00000
%RSD	.06909	.13940	.12755	.03101	.18597	34.418	.32721
#1	2.1044	30.976	2.5312	13.850	.06761	.00163	.00112
#2	2.1023	30.915	2.5266	13.856	.06743	.00268	.00112
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.65610	.00213	.00285	.00248	.00684	.01569	.00857
SDev	.00154	.00183	.00102	.00371	.00281	.00071	.00002
%RSD	.23519	85.968	35.929	149.42	41.044	4.5243	.20430
#1	.65719	.00342	.00212	-.00014	.00883	.01519	.00858
#2	.65501	.00084	.00357	.00510	.00486	.01619	.00856
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01008	6.9687	.00213	.00674	.50281	.0257
SDev	.00077	.0031	.00212	.00097	.00039	.0010
%RSD	7.6769	.04472	99.522	14.388	.07754	3.798
#1	.01063	6.9710	.00362	.00742	.50254	.0264
#2	.00953	6.9665	.00063	.00605	.50309	.0250
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507008-4 Operator: SW
Run Time: 07/08/05 11:16:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00125	.00056	.00850	.00043	.00054	6.2258	.00954
SDev	.00145	.00043	.00580	.00042	.00014	.0030	.00002
%RSD	116.44	76.954	68.278	98.248	26.818	.04765	.24870
#1	-.00227	.00087	.00439	.00072	.00044	6.2279	.00956
#2	-.00022	.00026	.01260	.00013	.00064	6.2237	.00952
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00191	100.96	.00506	.00845	.00033	.08720	.01094
SDev	.00002	.09	.00001	.00044	.00002	.00007	.00676
%RSD	.83259	.08841	.11831	5.2656	6.6358	.08470	61.799
#1	.00189	100.90	.00506	.00814	.00031	.08725	.00616
#2	.00192	101.03	.00507	.00877	.00034	.08715	.01572
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.9990	30.909	2.1798	13.873	.06696	-.00290	.00036
SDev	.0050	.004	.0003	.011	.00036	.00255	.00000
%RSD	.24821	.01372	.01263	.08055	.53919	87.967	.82700
#1	1.9954	30.912	2.1800	13.881	.06671	-.00110	.00035
#2	2.0025	30.906	2.1796	13.865	.06722	-.00470	.00036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.65909	-.00085	-.00004	.00311	.00871	.01594	.00034
SDev	.00130	.00180	.00020	.00165	.00070	.00106	.00005
%RSD	.19666	213.35	479.70	53.107	8.0783	6.6727	13.375
#1	.65817	-.00212	-.00018	.00194	.00822	.01519	.00031
#2	.66000	.00043	.00010	.00428	.00921	.01669	.00038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01379	6.4712	.00129	.00300	.50287	.0124
SDev	.00006	.0052	.00132	.00070	.00062	.0020
%RSD	.39967	.08109	101.71	23.286	.12272	16.33
#1	.01375	6.4750	.00036	.00251	.50330	.0110
#2	.01383	6.4675	.00223	.00349	.50243	.0138
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507008-5 Operator: SW
Run Time: 07/08/05 11:18:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00387	.00212	.01392	.00046	.00090	.22442	.04790
SDev	.00277	.00013	.00279	.00296	.00049	.00052	.00020
%RSD	71.516	6.2797	20.060	644.39	54.268	.23245	.42131
#1	-.00583	.00221	.01589	.00255	.00056	.22479	.04804
#2	-.00191	.00202	.01195	-.00163	.00125	.22405	.04775
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00009	77.780	-.00011	.00136	.00007	.00118	.50546
SDev	.00001	.249	.00017	.00017	.00026	.00042	.00812
%RSD	8.3744	.32018	154.93	12.578	375.19	35.728	1.6065
#1	.00009	77.604	-.00023	.00124	-.00011	.00088	.49972
#2	.00010	77.957	.00001	.00148	.00025	.00148	.51120
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.0988	18.889	.11829	8.0933	.01067	-.00115	.00037
SDev	.0116	.004	.00033	.0417	.00066	.00127	.00036
%RSD	.55396	.02077	.27671	.51573	6.1726	110.87	96.586
#1	2.0906	18.887	.11852	8.1228	.01020	-.00205	.00012
#2	2.1071	18.892	.11806	8.0638	.01113	-.00025	.00063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.10792	.00032	.00012	.00494	.00700	.00342	.00180
SDev	.00025	.00117	.00083	.00291	.00283	.00040	.00031
%RSD	.22764	359.36	672.71	58.796	40.462	11.555	17.341
#1	.10775	.00115	-.00047	.00700	.00500	.00370	.00158
#2	.10810	-.00050	.00071	.00289	.00900	.00314	.00202
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01081	6.5634	.00196	.00674	.45063	.0191
SDev	.00009	.0146	.00047	.00097	.00183	.0124
%RSD	.80284	.22178	24.102	14.457	.40534	64.83
#1	.01075	6.5737	.00163	.00605	.45192	.0103
#2	.01087	6.5531	.00229	.00742	.44933	.0278
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/08/05 11:20:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.48515	.49076	.51635	.51647	.50588	52.080	.49095
SDev	.00340	.00142	.00590	.00355	.00159	.249	.00037
%RSD	.70143	.28882	1.1426	.68668	.31353	.47829	.07543
#1	.48274	.48976	.52052	.51397	.50476	51.904	.49068
#2	.48756	.49177	.51218	.51898	.50700	52.257	.49121
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.51173	53.612	.49525	.48520	.47878	.49652	21.021
SDev	.00213	.330	.00216	.00222	.00203	.00074	.114
%RSD	.41590	.61601	.43684	.45849	.42393	.14922	.54149
#1	.51022	53.378	.49372	.48363	.47734	.49600	20.941
#2	.51323	53.845	.49678	.48677	.48021	.49704	21.102
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.960	52.352	.48268	20.931	.48016	.48710	.48891
SDev	.059	.278	.00203	.077	.00287	.00046	.00143
%RSD	.29480	.53016	.42039	.36819	.59824	.09439	.29187
#1	19.918	52.156	.48124	20.877	.47812	.48742	.48790
#2	20.002	52.548	.48411	20.986	.48219	.48677	.48992
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49348	.48792	.48889	.51643	.51385	.73460	.47783
SDev	.00358	.00376	.00208	.00040	.00105	.04040	.00127
%RSD	.72445	.77075	.42517	.07761	.20466	5.5000	.26554
#1	.49095	.48526	.48743	.51615	.51311	.70604	.47694
#2	.49601	.49058	.49036	.51672	.51459	.76317	.47873
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0038	.25831	.48414	.49055	.49193	10.03
SDev	.0057	.00051	.00457	.00427	.00060	.01
%RSD	.56981	.19901	.94443	.87028	.12166	.0614

#1	.99972	.25867	.48091	.48753	.49151	10.02
#2	1.0078	.25794	.48738	.49357	.49235	10.03
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/08/05 11:22:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00039	.00087	-.00112	.00059	.00078	.01178	-.00006
SDev	.00000	.00050	.00111	.00046	.00035	.00028	.00005
%RSD	1.1719	57.390	98.946	78.354	44.757	2.3763	85.058
#1	-.00039	.00123	-.00190	.00091	.00053	.01158	-.00009
#2	-.00039	.00052	-.00034	.00026	.00103	.01198	-.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00004	.04732	-.00014	.00026	.00002	-.00133	.00672
SDev	.00000	.00066	.00009	.00061	.00027	.00004	.00068
%RSD	.22501	1.4023	66.871	239.63	1588.2	3.1823	10.136
#1	-.00004	.04779	-.00020	-.00018	-.00017	-.00136	.00624
#2	-.00004	.04685	-.00007	.00069	.00021	-.00130	.00721
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08073	-.00007	.00009	.07427	-.00037	.00299	.00035
SDev	.00601	.00010	.00004	.00033	.00013	.00011	.00035
%RSD	7.4405	140.26	44.839	.44482	33.953	3.5707	100.30
#1	.07648	-.00014	.00006	.07450	-.00046	.00292	.00010
#2	.08498	-.00000	.00011	.07404	-.00028	.00307	.00060
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00007	.00157	.00045	.00002	.00345	-.00091	-.00009
SDev	.00000	.00005	.00033	.00006	.00044	.00085	.00002
%RSD	.05404	3.3251	73.483	318.12	12.723	93.096	17.508
#1	-.00007	.00154	.00069	-.00002	.00314	-.00152	-.00010
#2	-.00007	.00161	.00022	.00006	.00376	-.00031	-.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00299	.00242	.00053	.00191	-.00008	.0112
SDev	.00065	.00034	.00042	.00056	.00001	.0133
%RSD	21.624	13.966	79.334	29.068	11.913	118.3
#1	.00345	.00266	.00083	.00230	-.00007	.0018
#2	.00254	.00218	.00023	.00152	-.00008	.0206
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: 0507008-6 Operator: SW
Run Time: 07/08/05 11:24:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00391	.00136	.00629	-.00047	.00101	.13489	.04290
SDev	.00147	.00214	.00128	.00642	.00042	.00084	.00002
%RSD	37.709	156.73	20.361	1369.0	42.023	.62362	.05533
#1	-.00495	.00287	.00538	.00407	.00131	.13549	.04292
#2	-.00287	-.00015	.00719	-.00501	.00071	.13430	.04289
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00014	78.218	.00000	.00149	.00015	.00041	.27392
SDev	.00000	.269	.00004	.00027	.00027	.00022	.00500
%RSD	.05497	.34448	2065.1	18.450	178.12	53.374	1.8251
#1	.00014	78.409	-.00002	.00168	.00034	.00057	.27745
#2	.00014	78.028	.00003	.00129	-.00004	.00026	.27038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.1109	18.932	.10643	8.0836	.01021	.00249	.00050
SDev	.0100	.042	.00028	.0102	.00074	.00777	.00036
%RSD	.47486	.22416	.26231	.12676	7.2157	312.14	71.501
#1	2.1179	18.962	.10662	8.0763	.01073	.00799	.00075
#2	2.1038	18.902	.10623	8.0908	.00969	-.00301	.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.11006	.00282	-.00039	.00178	.00899	.00507	.00044
SDev	.00043	.00038	.00093	.00386	.00139	.00038	.00001
%RSD	.39177	13.604	237.26	216.75	15.459	7.5789	2.3823
#1	.11036	.00309	.00027	.00451	.00800	.00534	.00043
#2	.10975	.00255	-.00105	-.00095	.00997	.00480	.00045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00785	6.4417	.00186	.00674	.44816	.0284
SDev	.00014	.0000	.00108	.00042	.00018	.0100
%RSD	1.7143	.00071	58.149	6.2182	.03966	35.12
#1	.00794	6.4417	.00263	.00704	.44803	.0355
#2	.00775	6.4418	.00110	.00644	.44828	.0214
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507008-7 Operator: SW
Run Time: 07/08/05 11:26:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00176	.00088	.00427	.00027	.00085	1.8857	.01384
SDev	.00161	.00021	.00280	.00017	.00038	.0016	.00004
%RSD	91.875	24.495	65.671	62.662	44.576	.08252	.25711
#1	-.00290	.00103	.00229	.00038	.00058	1.8846	.01382
#2	-.00062	.00073	.00625	.00015	.00112	1.8868	.01387
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00135	107.52	.00127	.00164	.00012	.01116	.47241
SDev	.00001	.24	.00012	.00079	.00005	.00007	.00732
%RSD	.58309	.22544	9.2940	47.917	45.419	.61086	1.5497
#1	.00134	107.35	.00119	.00109	.00008	.01111	.46724
#2	.00136	107.70	.00135	.00220	.00016	.01121	.47759
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.3961	30.458	.10967	14.350	.07584	.00023	.00056
SDev	.0056	.027	.00000	.038	.00042	.00090	.00027
%RSD	.23396	.08986	.00000	.26296	.55932	387.17	47.981
#1	2.4001	30.438	.10967	14.377	.07554	.00087	.00037
#2	2.3921	30.477	.10967	14.323	.07614	-.00041	.00075
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.40239	.00155	.00000	.00160	.01069	.01393	.00165
SDev	.00080	.00030	.00039	.00082	.00156	.00036	.00008
%RSD	.19918	19.644	28402.	51.435	14.570	2.5698	4.5938
#1	.40182	.00176	-.00028	.00102	.00959	.01367	.00159
#2	.40296	.00133	.00028	.00218	.01180	.01418	.00170
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01186	8.2013	.00010	.00664	.54303	.0194
SDev	.00016	.0057	.00122	.00056	.00055	.0063
%RSD	1.3288	.06909	1236.8	8.3793	.10135	32.63
#1	.01198	8.2053	-.00077	.00624	.54342	.0149
#2	.01175	8.1972	.00096	.00703	.54264	.0238
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507008-8 Operator: SW
Run Time: 07/08/05 11:28:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00199	.00035	.01300	-.00192	.00075	1.7829	.01189
SDev	.00178	.00067	.00502	.00157	.00003	.0096	.00005
%RSD	89.223	192.04	38.573	81.756	3.3577	.53915	.39914
#1	-.00325	.00083	.00946	-.00303	.00077	1.7896	.01192
#2	-.00074	-.00013	.01655	-.00081	.00073	1.7761	.01186
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00131	107.24	.00110	.00251	-.00024	.00799	.23689
SDev	.00000	.10	.00003	.00024	.00006	.00024	.00223
%RSD	.00000	.09767	2.5733	9.5290	23.358	2.9851	.94038
#1	.00131	107.32	.00112	.00234	-.00028	.00782	.23532
#2	.00131	107.17	.00108	.00268	-.00020	.00816	.23847
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.2815	30.328	.11078	14.107	.07474	.00009	.00024
SDev	.0061	.068	.00005	.083	.00033	.00377	.00000
%RSD	.26569	.22313	.04345	.58849	.43999	4282.1	.57323
#1	2.2858	30.376	.11075	14.166	.07497	.00276	.00024
#2	2.2772	30.280	.11082	14.048	.07450	-.00258	.00024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.38425	-.00056	-.00043	.00305	.01214	.01443	.00034
SDev	.00018	.00109	.00014	.00272	.00056	.00036	.00010
%RSD	.04820	195.32	33.327	88.995	4.6217	2.4736	28.644
#1	.38438	-.00133	-.00053	.00113	.01254	.01469	.00027
#2	.38412	.00021	-.00033	.00497	.01175	.01418	.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01231	8.0653	.00140	.00585	.54089	.0190
SDev	.00032	.0266	.00005	.00028	.00154	.0018
%RSD	2.5605	.33020	3.3451	4.7476	.28475	9.311
#1	.01209	8.0841	.00143	.00566	.54198	.0178
#2	.01253	8.0465	.00136	.00605	.53980	.0203
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507010-5 Operator: SW
Run Time: 07/08/05 11:30:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	-.00117	.00178	.00839	-.00042	.00164	6.8824	.01316
SDev	.00404	.00262	.00983	.00104	.00012	.0102	.00002
%RSD	345.07	147.39	117.10	247.01	7.3868	.14885	.18023
#1	.00169	-.00007	.01535	-.00115	.00156	6.8896	.01315
#2	-.00403	.00363	.00144	.00031	.00173	6.8752	.01318
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00006	8.3215	.00017	.00079	.02071	.08404	2.5147
SDev	.00000	.0060	.00013	.00007	.00046	.00042	.0021
%RSD	.03514	.07197	73.226	8.5669	2.2325	.49709	.08258
#1	-.00006	8.3257	.00008	.00074	.02038	.08434	2.5132
#2	-.00006	8.3173	.00026	.00084	.02104	.08375	2.5162
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.8457	1.4423	.01437	H129.91	.20609	.00248	.00116
SDev	.0004	.0036	.00000	.41	.00107	.00420	.00009
%RSD	.01493	.24937	.00000	.31571	.51728	169.52	7.7762
#1	2.8454	1.4448	.01437	H130.20	.20533	-.00049	.00123
#2	2.8460	1.4397	.01437	H129.62	.20684	.00544	.00110
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01186	.00114	.00079	.00252	.00862	.00314	.00127
SDev	.00012	.00264	.00040	.00258	.00183	.00000	.00017
%RSD	1.0416	232.54	50.431	102.65	21.247	.00000	13.679
#1	.01177	-.00073	.00051	.00434	.00991	.00314	.00139
#2	.01195	.00301	.00108	.00069	.00732	.00314	.00114
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09910	1.2592	.00203	.00092	.03612	.0239
SDev	.00012	.0037	.00141	.00085	.00012	.0033
%RSD	.11690	.29296	69.580	91.981	.34301	13.83

#1	.09902	1.2618	.00103	.00152	.03621	.0215
#2	.09919	1.2566	.00303	.00032	.03603	.0262
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507008-1A Operator: SW
Run Time: 07/08/05 11:35:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.0102	1.0301	1.1219	1.1108	.00038	6.6721	.04051
SDev	.0030	.0043	.0031	.0093	.00026	.0086	.00001
%RSD	.29360	.41313	.27503	.83327	68.201	.12910	.02930
#1	1.0123	1.0271	1.1240	1.1043	.00020	6.6660	.04050
#2	1.0081	1.0332	1.1197	1.1174	.00057	6.6782	.04052
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.0404	64.265	1.0486	1.0162	.97833	1.0735	2.2583
SDev	.0002	.138	.0008	.0000	.00084	.0015	.0028
%RSD	.01939	.21458	.07870	.00406	.08624	.14055	.12372
#1	1.0402	64.167	1.0480	1.0161	.97773	1.0745	2.2563
#2	1.0405	64.362	1.0492	1.0162	.97893	1.0724	2.2603
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.1216	28.855	3.1359	8.2431	1.1295	1.0025	1.0077
SDev	.0107	.032	.0013	.0042	.0015	.0026	.0006
%RSD	.50644	.11194	.04084	.05115	.13476	.25877	.06334
#1	2.1140	28.832	3.1350	8.2461	1.1284	1.0006	1.0073
#2	2.1292	28.878	3.1368	8.2402	1.1305	1.0043	1.0082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.1640	1.0238	1.0235	1.1145	1.0603	.01519	1.0085
SDev	.0031	.0046	.0019	.0051	.0042	.00142	.0001
%RSD	.14345	.45385	.18085	.46178	.39946	9.3706	.00558
#1	2.1618	1.0271	1.0222	1.1109	1.0573	.01418	1.0085
#2	2.1662	1.0205	1.0248	1.1182	1.0633	.01619	1.0084
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00857	8.0725	.00179	.98678	.40108	.0155
SDev	.00088	.0012	.00038	.00546	.00041	.0073
%RSD	10.249	.01534	21.086	.55355	.10222	46.96
#1	.00794	8.0716	.00152	.98292	.40137	.0104
#2	.00919	8.0734	.00206	.99065	.40079	.0206
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: EX050706-8MB Operator: SW
Run Time: 07/08/05 11:38:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00136	.00056	.00254	.00289	.00054	.00761	.01144
SDev	.00118	.00132	.01075	.00239	.00020	.00102	.00006
%RSD	86.947	237.28	423.50	82.487	37.425	13.425	.51832
#1	-.00052	-.00038	-.00506	.00458	.00040	.00688	.01140
#2	-.00219	.00149	.01014	.00121	.00069	.00833	.01149
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00004	.05452	-.00013	.00024	.00022	-.00169	.00633
SDev	.00000	.00038	.00013	.00024	.00004	.00000	.00114
%RSD	.00000	.69955	105.44	101.19	17.222	.25215	17.938
#1	-.00004	.05479	-.00022	.00041	.00025	-.00169	.00553
#2	-.00004	.05425	-.00003	.00007	.00020	-.00169	.00714
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03295	-.00791	.00041	.13573	-.00033	-.00229	.00036
SDev	.00504	.00000	.00003	.00032	.00031	.00139	.00000
%RSD	15.297	.00000	7.1166	.23652	95.665	60.677	1.0468
#1	.02939	-.00791	.00043	.13596	-.00055	-.00327	.00036
#2	.03652	-.00791	.00038	.13551	-.00011	-.00131	.00036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	H.02309	.00316	-.00008	.00277	.00256	-.00112	.00018
SDev	.00037	.00244	.00049	.00199	.00197	.00000	.00006
%RSD	1.5991	77.245	617.52	71.642	76.947	.00000	36.187
#1	H.02336	.00488	-.00043	.00137	.00395	-.00112	.00023
#2	H.02283	.00143	.00027	.00418	.00116	-.00112	.00013
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02604	.03613	.00296	.00369	-.00015	.0095
SDev	.00007	.00232	.00113	.00139	.00000	.0051
%RSD	.27031	6.4281	38.131	37.715	.00000	54.03
#1	.02599	.03777	.00375	.00467	-.00015	.0058
#2	.02609	.03449	.00216	.00270	-.00015	.0131
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: EX050706-8LCS Operator: SW
Run Time: 07/08/05 11:40:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49868	.50565	2.0294	2.0330	.05116	1.9069	2.0255
SDev	.00144	.00025	.0031	.0064	.00016	.0026	.0031
%RSD	.28837	.04989	.15164	.31667	.31942	.13574	.15497
#1	.49766	.50583	2.0272	2.0284	.05127	1.9088	2.0277
#2	.49970	.50547	2.0316	2.0375	.05104	1.9051	2.0232
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05184	L.05310	.05195	.50390	.19921	.25634	.93162
SDev	.00013	.00010	.00016	.00158	.00061	.00016	.00478
%RSD	.24460	.17936	.30925	.31277	.30862	.06222	.51325
#1	.05175	L.05317	.05183	.50279	.19877	.25623	.92824
#2	.05193	L.05303	.05206	.50502	.19964	.25645	.93500
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	L.03525	L-.00953	.50530	L.14037	.50539	.48607	.50842
SDev	.01903	.00110	.00150	.00014	.00124	.00603	.00108
%RSD	53.999	11.522	.29645	.10090	.24552	1.2409	.21166
#1	L.02179	L-.00876	.50424	L.14047	.50452	.48180	.50766
#2	L.04871	L-.01031	.50636	L.14027	.50627	.49033	.50918
Errors	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.53261	1.9385	.50333	2.0318	2.0261	.52374	.49636
SDev	.00296	.0037	.00031	.0053	.0080	.00340	.00073
%RSD	.55571	.19026	.06170	.26179	.39645	.64821	.14753
#1	.53052	1.9359	.50311	2.0280	2.0205	.52133	.49584
#2	.53471	1.9411	.50355	2.0355	2.0318	.52614	.49688
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0307	1.7017	.46857	.98650	.49091	.0163
SDev	.0006	.0025	.00141	.00506	.00043	.0015
%RSD	.05838	.14592	.30174	.51299	.08815	9.021
#1	1.0303	1.7035	.46757	.98292	.49121	.0153
#2	1.0311	1.7000	.46957	.99008	.49060	.0173
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: EX050706-8LCSD Operator: SW
Run Time: 07/08/05 11:42:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49887	.50627	2.0287	2.0275	.05142	1.8907	2.0096
SDev	.00361	.00111	.0056	.0133	.00034	.0004	.0004
%RSD	.72340	.22007	.27421	.65796	.65861	.02121	.02005
#1	.49632	.50548	2.0247	2.0181	.05166	1.8904	2.0094
#2	.50142	.50706	2.0326	2.0369	.05118	1.8910	2.0099
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05186	L.04927	.05170	.50422	.19933	.25524	.93819
SDev	.00004	.00095	.00012	.00065	.00010	.00044	.00219
%RSD	.07671	1.9273	.23136	.12870	.05200	.17283	.23326
#1	.05183	L.04994	.05161	.50468	.19926	.25493	.93974
#2	.05188	L.04860	.05178	.50376	.19941	.25555	.93664
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	L.06860	L-.00946	.50539	L.14189	.50559	.48534	.50769
SDev	.00059	.00260	.00025	.00000	.00036	.00188	.00036
%RSD	.85977	27.438	.04971	.00000	.07150	.38845	.06986
#1	L.06902	L-.00763	.50521	L.14189	.50585	.48667	.50794
#2	L.06818	L-.01130	.50557	L.14189	.50534	.48400	.50744
Errors	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.53510	1.9390	.50381	2.0279	2.0213	.50810	.49578
SDev	.00068	.0057	.00194	.0107	.0028	.03117	.00016
%RSD	.12676	.29372	.38604	.53013	.13787	6.1342	.03151
#1	.53462	1.9349	.50243	2.0203	2.0193	.48606	.49567
#2	.53558	1.9430	.50518	2.0355	2.0232	.53014	.49589
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0297	1.6829	.47170	.99036	.48796	.0165
SDev	.0019	.0005	.00189	.00039	.00026	.0149
%RSD	.18861	.02747	.40028	.03980	.05346	90.25
#1	1.0283	1.6825	.47304	.99008	.48778	.0271
#2	1.0310	1.6832	.47037	.99064	.48814	.0060
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: 0506217-17 Operator: SW
Run Time: 07/08/05 11:45:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00172	.00229	.00189	.00199	.00096	.01280	.11284
SDev	.00019	.00037	.00169	.00261	.00001	.00071	.00049
%RSD	10.839	16.046	89.397	130.93	1.4845	5.5191	.43169
#1	.00159	.00203	.00070	.00384	.00097	.01330	.11250
#2	.00185	.00255	.00308	.00015	.00095	.01230	.11319
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00002	167.53	.00016	.00141	.00089	-.00094	.01902
SDev	.00001	.03	.00005	.00055	.00016	.00033	.00584
%RSD	52.243	.02054	30.224	38.831	17.583	35.218	30.699
#1	.00002	167.56	.00019	.00179	.00100	-.00071	.02315
#2	.00001	167.51	.00013	.00102	.00078	-.00117	.01489
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.78828	3.3189	.33099	1.9755	.00084	.00375	.00099
SDev	.00870	.0021	.00032	.0079	.00033	.00098	.00018
%RSD	1.1032	.06326	.09618	.40001	39.368	26.053	18.181
#1	.79443	3.3204	.33076	1.9699	.00107	.00444	.00111
#2	.78213	3.3174	.33121	1.9811	.00060	.00306	.00086
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02888	.00185	.00210	.00196	.00448	.00170	.00093
SDev	.00018	.00018	.00031	.00118	.00226	.00042	.00020
%RSD	.63797	9.5014	14.628	60.099	50.445	24.319	21.720
#1	.02901	.00173	.00188	.00279	.00608	.00200	.00107
#2	.02875	.00198	.00232	.00113	.00288	.00141	.00079
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01116	.75643	.00299	.00350	.54150	.0288
SDev	.00064	.00178	.00231	.00028	.00205	.0082
%RSD	5.7268	.23472	77.016	8.0520	.37868	28.50
#1	.01161	.75517	.00462	.00370	.54005	.0347
#2	.01070	.75768	.00136	.00330	.54295	.0230
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-17D Operator: SW
Run Time: 07/08/05 11:47:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00161	.00217	.00515	-.00076	.00075	.01129	.11391
SDev	.00049	.00040	.00427	.00035	.00034	.00033	.00010
%RSD	30.549	18.232	82.959	46.588	45.007	2.8847	.08345
#1	.00196	.00245	.00213	-.00051	.00051	.01152	.11384
#2	.00126	.00189	.00817	-.00101	.00099	.01106	.11398
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00001	168.34	.00001	.00182	.00031	-.00159	.10631
SDev	.00000	.13	.00012	.00038	.00015	.00002	.00144
%RSD	.41568	.07662	1620.7	20.682	47.817	1.2772	1.3496
#1	.00001	168.25	-.00008	.00208	.00021	-.00157	.10733
#2	.00001	168.43	.00009	.00155	.00042	-.00160	.10530
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.76567	3.3264	.33284	1.9596	.00058	.00154	.00073
SDev	.00396	.0039	.00016	.0017	.00028	.00059	.00018
%RSD	.51760	.11722	.04927	.08804	48.267	38.014	24.430
#1	.76286	3.3236	.33273	1.9584	.00038	.00196	.00060
#2	.76847	3.3291	.33296	1.9609	.00078	.00113	.00085
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01077	.00179	.00198	.00121	.00556	.00055	.00073
SDev	.00006	.00208	.00043	.00119	.00098	.00122	.00006
%RSD	.57277	116.32	21.562	98.152	17.546	221.85	7.7498
#1	.01073	.00032	.00228	.00037	.00625	.00141	.00077
#2	.01082	.00326	.00168	.00205	.00487	-.00031	.00069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01140	.76137	.00183	.00102	.54650	.0246
SDev	.00041	.00081	.00113	.00014	.00045	.0030
%RSD	3.5983	.10611	61.660	13.907	.08270	12.29
#1	.01111	.76080	.00263	.00092	.54618	.0225
#2	.01169	.76194	.00103	.00112	.54682	.0268
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/08/05 11:49:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48612	.49979	.51536	.51894	.50885	52.432	.49408
SDev	.00213	.00347	.01036	.00060	.00014	.119	.00141
%RSD	.43885	.69392	2.0105	.11589	.02724	.22729	.28531
#1	.48763	.49734	.52269	.51852	.50894	52.516	.49508
#2	.48461	.50224	.50803	.51937	.50875	52.347	.49308
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.51782	54.737	.50464	.49112	.48405	.49700	21.290
SDev	.00119	.128	.00203	.00076	.00105	.00119	.063
%RSD	.23028	.23397	.40237	.15377	.21724	.23902	.29814
#1	.51698	54.646	.50320	.49059	.48331	.49784	21.245
#2	.51867	54.827	.50607	.49165	.48480	.49616	21.335
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.879	52.991	.48809	20.907	.48837	.49175	.49420
SDev	.078	.102	.00075	.056	.00193	.00367	.00018
%RSD	.39340	.19168	.15442	.26630	.39513	.74577	.03646
#1	19.934	52.919	.48756	20.946	.48700	.49435	.49407
#2	19.824	53.062	.48862	20.868	.48973	.48916	.49433
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50364	.49300	.49524	.51775	.51414	.72300	.48198
SDev	.00450	.00197	.00160	.00305	.01166	.00167	.00025
%RSD	.89427	.39965	.32366	.58893	2.2679	.23138	.05261
#1	.50045	.49161	.49411	.51990	.52238	.72418	.48216
#2	.50682	.49440	.49637	.51559	.50589	.72182	.48180
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0123	.25683	.48680	.49664	.49567	10.17
SDev	.0020	.00003	.00254	.00266	.00127	.02
%RSD	.19562	.01275	.52183	.53522	.25638	.2343
#1	1.0109	.25685	.48501	.49476	.49656	10.18
#2	1.0137	.25680	.48860	.49852	.49477	10.15
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/08/05 11:52:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00180	.00093	.00163	.00168	.00103	.01968	.00011
SDev	.00079	.00045	.00304	.00050	.00002	.00011	.00000
%RSD	43.656	48.232	186.57	29.601	1.4269	.56939	.00000
#1	-.00125	.00125	.00378	.00203	.00102	.01960	.00011
#2	-.00236	.00061	-.00052	.00132	.00104	.01975	.00011
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00001	.05992	-.00012	.00055	.00047	-.00168	.01141
SDev	.00001	.00134	.00018	.00007	.00012	.00011	.00149
%RSD	110.05	2.2361	149.58	12.690	25.070	6.3862	13.023
#1	-.00000	.06087	-.00024	.00050	.00055	-.00160	.01036
#2	-.00001	.05897	.00001	.00059	.00038	-.00175	.01246
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08919	.00226	-.00004	.07326	-.00023	.00116	.00060
SDev	.00672	.00000	.00002	.00012	.00011	.00259	.00018
%RSD	7.5365	.00000	52.533	.16750	48.250	223.82	29.532
#1	.08443	.00226	-.00002	.07334	-.00015	.00298	.00048
#2	.09394	.00226	-.00005	.07317	-.00030	-.00067	.00073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00002	.00102	.00002	.00166	.00456	-.00091	.00001
SDev	.00006	.00048	.00056	.00134	.00001	.00085	.00011
%RSD	259.68	47.275	2569.0	80.945	.13656	93.096	755.32
#1	-.00007	.00136	.00042	.00261	.00455	-.00031	.00009
#2	.00002	.00068	-.00038	.00071	.00456	-.00152	-.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00315	.00075	.00090	.00152	-.00001	.0272
SDev	.00089	.00043	.00009	.00056	.00001	.0007
%RSD	28.440	57.299	10.441	36.977	216.38	2.726
#1	.00378	.00105	.00097	.00112	.00000	.0267
#2	.00251	.00044	.00083	.00192	-.00001	.0278
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: 0506217-17L 5X Operator: SW
Run Time: 07/08/05 11:54:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00029	.00134	.00182	.00230	.00070	.00970	.02354
SDev	.00124	.00048	.00349	.00268	.00015	.00125	.00001
%RSD	429.47	35.884	191.89	116.61	21.229	12.856	.05040
#1	-.00116	.00168	-.00065	.00040	.00081	.01058	.02355
#2	.00059	.00100	.00429	.00420	.00060	.00882	.02353
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00006	32.295	-.00021	.00058	.00017	-.00172	.00746
SDev	.00000	.053	.00002	.00024	.00026	.00007	.00118
%RSD	.06863	.16482	10.140	41.489	157.19	3.8611	15.841
#1	-.00006	32.332	-.00019	.00075	.00035	-.00168	.00829
#2	-.00006	32.257	-.00022	.00041	-.00002	-.00177	.00662
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.21793	.68587	.06945	.41422	.00036	-.00060	.00023
SDev	.00851	.00170	.00006	.00117	.00034	.00145	.00018
%RSD	3.9039	.24755	.08313	.28306	95.807	243.06	79.267
#1	.22395	.68707	.06949	.41339	.00060	.00043	.00035
#2	.21192	.68467	.06941	.41505	.00012	-.00162	.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01112	-.00081	.00080	.00214	.00404	-.00091	-.00008
SDev	.00080	.00038	.00009	.00295	.00055	.00028	.00012
%RSD	7.1945	46.471	11.480	137.91	13.696	31.032	148.76
#1	.01169	-.00108	.00073	.00005	.00365	-.00112	.00000
#2	.01056	-.00055	.00086	.00423	.00443	-.00071	-.00017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00293	.15509	.00143	.00082	.11226	.0190
SDev	.00014	.00061	.00038	.00043	.00007	.0055
%RSD	4.6440	.39345	26.244	51.973	.06477	28.85
#1	.00283	.15552	.00116	.00112	.11221	.0229
#2	.00302	.15466	.00169	.00052	.11231	.0151
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-17MS Operator: SW
Run Time: 07/08/05 11:58:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48573	.48985	2.0339	2.0272	.05047	1.8793	2.0527
SDev	.00298	.00327	.0114	.0177	.00002	.0067	.0059
%RSD	.61359	.66791	.56116	.87234	.03738	.35444	.28631
#1	.48363	.48753	2.0259	2.0147	.05045	1.8746	2.0486
#2	.48784	.49216	2.0420	2.0397	.05048	1.8840	2.0569
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05064	169.33	.04988	.47951	.18797	.24747	.87087
SDev	.00022	1.01	.00022	.00083	.00111	.00043	.00424
%RSD	.43842	.59601	.44884	.17313	.58815	.17404	.48646
#1	.05049	168.62	.04972	.47892	.18719	.24717	.86788
#2	.05080	170.04	.05004	.48009	.18876	.24778	.87387
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.76465	3.3267	.81099	1.9712	.47905	.48444	.48776
SDev	.01110	.0124	.00328	.0019	.00176	.00528	.00126
%RSD	1.4514	.37265	.40403	.09526	.36683	1.0895	.25901
#1	.75681	3.3180	.80868	1.9698	.47781	.48071	.48686
#2	.77250	3.3355	.81331	1.9725	.48029	.48817	.48865
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49187	1.9405	.48848	2.0294	1.9995	.62591	.47659
SDev	.00290	.0098	.00317	.0156	.0076	.00477	.00153
%RSD	.58875	.50365	.64992	.76848	.38129	.76197	.32028
#1	.48982	1.9336	.48623	2.0184	1.9941	.62254	.47551
#2	.49392	1.9475	.49072	2.0404	2.0049	.62928	.47767
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0077	2.3945	.46051	.95892	1.0241	.0316
SDev	.0034	.0081	.00075	.00839	.0031	.0023
%RSD	.34159	.33820	.16352	.87476	.30340	7.418
#1	1.0053	2.3888	.45998	.95299	1.0219	.0332
#2	1.0102	2.4002	.46105	.96485	1.0263	.0299
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-17MSD Operator: SW
Run Time: 07/08/05 12:00:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48876	.49651	2.0503	2.0557	.05042	1.8980	2.0794
SDev	.00394	.00111	.0042	.0068	.00005	.0089	.0080
%RSD	.80514	.22370	.20318	.33194	.09204	.46793	.38267
#1	.48598	.49573	2.0473	2.0508	.05046	1.8917	2.0738
#2	.49154	.49730	2.0532	2.0605	.05039	1.9043	2.0851
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05105	170.71	.05049	.48351	.18955	.25183	.87995
SDev	.00002	.05	.00007	.00031	.00022	.00119	.00542
%RSD	.03114	.02954	.14059	.06405	.11370	.47105	.61552
#1	.05106	170.67	.05044	.48329	.18940	.25099	.88378
#2	.05103	170.74	.05054	.48373	.18971	.25267	.87612
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.77026	3.3399	.81760	1.9808	.48388	.49163	.49310
SDev	.00570	.0022	.00068	.0102	.00008	.00074	.00009
%RSD	.74050	.06585	.08300	.51492	.01628	.15138	.01774
#1	.77429	3.3383	.81712	1.9736	.48382	.49111	.49304
#2	.76623	3.3414	.81808	1.9880	.48393	.49216	.49316
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49736	1.9610	.49393	2.0539	2.0188	.69142	.48130
SDev	.00043	.0032	.00205	.0059	.0092	.01900	.00067
%RSD	.08711	.16549	.41529	.28914	.45806	2.7472	.13846
#1	.49766	1.9587	.49248	2.0497	2.0253	.67799	.48083
#2	.49705	1.9633	.49538	2.0581	2.0122	.70485	.48177
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0201	2.3708	.46228	.97341	1.0352	.0158
SDev	.0018	.0079	.00109	.00040	.0032	.0089
%RSD	.17918	.33381	.23489	.04071	.31205	56.15
#1	1.0188	2.3652	.46304	.97313	1.0329	.0221
#2	1.0214	2.3764	.46151	.97369	1.0375	.0095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506265-20 Operator: SW
Run Time: 07/08/05 12:04:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00031	.00075	.00340	-.00007	.00075	.01067	.07301
SDev	.00288	.00101	.00574	.00061	.00010	.00104	.00000
%RSD	920.80	134.73	168.73	913.65	13.144	9.7946	.00000
#1	-.00173	.00004	.00747	.00036	.00082	.01141	.07301
#2	.00235	.00147	-.00066	-.00050	.00068	.00993	.07301
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00004	181.48	-.00022	.00089	.00171	-.00179	.01040
SDev	.00000	.47	.00006	.00003	.00033	.00005	.00398
%RSD	.00000	.26067	25.655	3.8327	19.354	2.5418	38.223
#1	-.00004	181.15	-.00026	.00091	.00194	-.00176	.01321
#2	-.00004	181.82	-.00018	.00086	.00147	-.00182	.00759
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.72274	7.3530	.03546	.58649	-.00030	-.00079	.00061
SDev	.00717	.0153	.00004	.00015	.00028	.00060	.00000
%RSD	.99205	.20834	.10850	.02582	92.715	75.138	.35717
#1	.71767	7.3422	.03544	.58660	-.00010	-.00037	.00061
#2	.72781	7.3638	.03549	.58639	-.00050	-.00122	.00061
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01878	.00218	.00061	.00109	.00481	.00257	.00086
SDev	.00031	.00028	.00164	.00232	.00521	.00000	.00014
%RSD	1.6406	12.927	269.98	212.85	108.24	.00000	15.788
#1	.01857	.00238	-.00055	.00273	.00849	.00257	.00095
#2	.01900	.00198	.00176	-.00055	.00113	.00257	.00076
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03340	.68734	.00183	.00271	.21446	.0267
SDev	.00061	.00065	.00019	.00000	.00008	.0093
%RSD	1.8225	.09509	10.181	.12995	.03827	34.88
#1	.03383	.68780	.00170	.00271	.21452	.0333
#2	.03297	.68688	.00196	.00271	.21440	.0201
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506265-21 Operator: SW
Run Time: 07/08/05 12:06:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00299	.00110	.00598	-.00415	.00019	.01099	.07229
SDev	.00077	.00181	.00195	.00337	.00049	.00184	.00006
%RSD	25.852	165.17	32.633	81.274	256.17	16.761	.08213
#1	.00353	-.00018	.00735	-.00653	-.00016	.00969	.07234
#2	.00244	.00238	.00460	-.00176	.00054	.01229	.07225
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00004	179.58	-.00013	.00021	.00111	-.00189	.03651
SDev	.00000	.45	.00005	.00058	.00047	.00006	.00010
%RSD	.16943	.25267	37.522	281.19	41.990	3.1709	.28199
#1	-.00004	179.26	-.00017	-.00020	.00078	-.00193	.03644
#2	-.00004	179.90	-.00010	.00062	.00144	-.00185	.03659
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.82688	7.4496	.03365	.61039	-.00045	.00178	.00004
SDev	.01118	.0159	.00009	.00099	.00080	.00460	.00027
%RSD	1.3520	.21371	.25730	.16282	178.08	258.10	707.71
#1	.81898	7.4383	.03359	.61110	-.00101	-.00147	-.00015
#2	.83479	7.4608	.03371	.60969	.00012	.00503	.00023
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01944	.00275	.00173	-.00077	.00538	.00137	.00075
SDev	.00012	.00027	.00095	.00160	.00240	.00170	.00007
%RSD	.63273	9.9753	55.150	206.16	44.662	124.51	8.9335
#1	.01935	.00294	.00105	-.00190	.00368	.00016	.00070
#2	.01952	.00256	.00240	.00035	.00708	.00257	.00080
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03371	.79045	.00153	.00131	.22212	.0084
SDev	.00002	.00143	.00061	.00085	.00037	.0134
%RSD	.06944	.18084	39.864	64.666	.16566	159.0
#1	.03373	.79146	.00196	.00071	.22238	-.0010
#2	.03369	.78944	.00110	.00191	.22186	.0179
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506265-22 Operator: SW
Run Time: 07/08/05 12:08:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00083	.00376	.00517	.00270	.00101	.01084	.08175
SDev	.00217	.00110	.00068	.00231	.00017	.00033	.00004
%RSD	259.87	29.289	13.180	85.317	17.065	3.0648	.04358
#1	-.00070	.00454	.00469	.00433	.00088	.01061	.08177
#2	.00237	.00298	.00565	.00107	.00113	.01108	.08172
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00003	178.17	-.00012	.00052	.00185	.00316	.01430
SDev	.00001	.39	.00004	.00020	.00008	.00021	.00370
%RSD	26.701	.22130	34.821	39.133	4.3664	6.5145	25.896
#1	-.00002	177.89	-.00009	.00038	.00191	.00301	.01168
#2	-.00004	178.45	-.00015	.00067	.00179	.00330	.01692
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.80113	9.7829	.03652	.97076	.00040	.00483	.00073
SDev	.00442	.0060	.00000	.00440	.00013	.00186	.00000
%RSD	.55185	.06147	.00000	.45326	31.065	38.612	.11643
#1	.79800	9.7787	.03652	.97388	.00032	.00614	.00073
#2	.80425	9.7872	.03652	.96765	.00049	.00351	.00073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02884	.00326	.00279	.00352	.00442	.00312	.00078
SDev	.00025	.00028	.00001	.00131	.00126	.00159	.00028
%RSD	.85189	8.5827	.47958	37.182	28.600	50.954	35.473
#1	.02867	.00346	.00280	.00445	.00531	.00200	.00058
#2	.02901	.00306	.00278	.00260	.00352	.00425	.00098
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04278	.70364	.00027	.00073	.27239	.0308
SDev	.00039	.00007	.00127	.00028	.00005	.0007
%RSD	.90994	.01013	474.10	39.014	.01790	2.210
#1	.04250	.70359	-.00063	.00053	.27235	.0313
#2	.04305	.70369	.00117	.00093	.27242	.0303
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506265-23 Operator: SW
Run Time: 07/08/05 12:10:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.01068	.00942	.01066	-.00119	.00054	.00967	.08911
SDev	.00259	.00015	.00630	.00217	.00065	.00218	.00026
%RSD	24.242	1.6336	59.134	182.85	120.51	22.591	.29323
#1	.01252	.00952	.01511	.00035	.00008	.00812	.08893
#2	.00885	.00931	.00620	-.00272	.00100	.01121	.08930
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00005	175.85	.00030	.00065	.00178	.01333	.01516
SDev	.00002	2.16	.00009	.00031	.00063	.00033	.00490
%RSD	45.382	1.2293	30.250	47.729	35.133	2.5004	32.304
#1	-.00007	174.32	.00024	.00043	.00134	.01310	.01170
#2	-.00004	177.37	.00036	.00087	.00222	.01357	.01863
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.86941	8.5027	.06431	1.1731	-.00005	-.00073	.00047
SDev	.02884	.0645	.00058	.0028	.00036	.00398	.00071
%RSD	3.3178	.75870	.89776	.23467	725.52	543.84	150.67
#1	.84901	8.4571	.06390	1.1751	-.00030	-.00355	-.00003
#2	.88981	8.5483	.06472	1.1712	.00021	.00208	.00098
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.10004	.00073	.00984	.00276	.00466	.00338	.00066
SDev	.00216	.00106	.00097	.00355	.00306	.00278	.00005
%RSD	2.1548	146.04	9.8097	128.72	65.714	82.277	7.5218
#1	.09852	.00148	.01052	.00526	.00682	.00141	.00062
#2	.10157	-.00002	.00916	.00025	.00249	.00534	.00069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04208	.83946	.00189	.00062	.26414	.0132
SDev	.00073	.00791	.00066	.00100	.00028	.0182
%RSD	1.7391	.94190	34.958	161.72	.10491	137.1
#1	.04157	.83387	.00143	-.00009	.26394	.0004
#2	.04260	.84505	.00236	.00132	.26433	.0261
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: IP050707-4MB Operator: SW
Run Time: 07/08/05 12:23:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00013	-.00015	.00343	-.00144	.00061	.01335	-.00006
SDev	.00039	.00089	.00296	.00523	.00069	.00210	.00012
%RSD	295.07	581.36	86.228	364.27	113.61	15.726	212.65
#1	.00014	-.00078	.00134	.00226	.00109	.01483	.00003
#2	-.00041	.00047	.00552	-.00513	.00012	.01186	-.00014
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00016	.04598	-.00032	.00040	.00046	-.00191	.01530
SDev	.00001	.00085	.00021	.00048	.00064	.00020	.00840
%RSD	4.8546	1.8534	65.151	120.27	137.45	10.268	54.905
#1	-.00017	.04659	-.00017	.00074	.00091	-.00178	.02124
#2	-.00016	.04538	-.00047	.00006	.00001	-.00205	.00936
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03963	-.01469	-.00008	.06903	-.00011	-.00062	.00022
SDev	.01406	.00359	.00007	.00018	.00028	.00269	.00018
%RSD	35.474	24.476	79.937	.25983	268.05	436.68	83.564
#1	.04957	-.01214	-.00004	.06915	.00009	.00129	.00035
#2	.02969	-.01723	-.00013	.06890	-.00031	-.00252	.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00067	-.00160	-.00015	.00019	.00474	-.00192	.00007
SDev	.00006	.00058	.00046	.00250	.00142	.00114	.00023
%RSD	9.2297	36.060	315.25	1350.8	30.000	59.188	312.63
#1	.00063	-.00201	-.00047	.00195	.00574	-.00112	.00024
#2	.00072	-.00119	.00018	-.00158	.00373	-.00272	-.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00162	.00987	.00595	-.00046	-.00030	.0080
SDev	.00035	.00095	.00038	.00054	.00003	.0200
%RSD	21.311	9.6522	6.3894	116.71	9.1165	251.0
#1	.00187	.01054	.00622	-.00008	-.00028	.0221
#2	.00138	.00919	.00568	-.00084	-.00032	-.0062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: IP050707-4LCS Operator: SW
Run Time: 07/08/05 12:25:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49328	.49115	2.0097	2.0206	.04972	1.9184	1.9196
SDev	.00202	.00389	.0112	.0128	.00033	.0072	.0063
%RSD	.40955	.79151	.55704	.63529	.67174	.37291	.32651
#1	.49185	.48840	2.0018	2.0115	.04949	1.9133	1.9152
#2	.49471	.49390	2.0176	2.0296	.04996	1.9234	1.9241
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05174	40.141	.05014	.48798	.19174	.24780	.91978
SDev	.00031	.246	.00016	.00288	.00130	.00055	.00502
%RSD	.59745	.61197	.32030	.59022	.67699	.22185	.54531
#1	.05152	39.968	.05003	.48594	.19082	.24741	.91623
#2	.05195	40.315	.05026	.49002	.19265	.24819	.92332
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	33.976	39.084	.48519	35.751	.48229	.48499	.49218
SDev	.125	.222	.00238	.109	.00331	.00732	.00250
%RSD	.36746	.56861	.48991	.30610	.68680	1.5088	.50795
#1	33.888	38.927	.48351	35.673	.47995	.47982	.49042
#2	34.064	39.241	.48687	35.828	.48463	.49017	.49395
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49670	1.9448	.49186	2.0169	2.0442	.68135	.48157
SDev	.00345	.0051	.00327	.0123	.0046	.01314	.00203
%RSD	.69458	.25977	.66395	.60932	.22461	1.9281	.42201
#1	.49426	1.9413	.48955	2.0082	2.0409	.67206	.48014
#2	.49914	1.9484	.49417	2.0256	2.0474	.69064	.48301
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0032	L1.5494	.47214	.97775	.47361	.0208
SDev	.0044	.0054	.00184	.00866	.00189	.0048
%RSD	.43956	.34947	.38935	.88543	.40023	23.05
#1	1.0000	L1.5456	.47084	.97162	.47226	.0174
#2	1.0063	L1.5533	.47344	.98387	.47495	.0242
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: 0506231-1 Operator: SW
Run Time: 07/08/05 12:27:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.4169	1.4386	-.00077	.01030	.00573	55.609	1.1214
SDev	.0004	.0087	.00613	.00207	.00034	.216	.0057
%RSD	.02642	.60211	792.06	20.104	5.8417	.38919	.50846
#1	1.4167	1.4325	.00356	.00883	.00597	55.456	1.1173
#2	1.4172	1.4447	-.00511	.01176	.00549	55.762	1.1254
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00548	92.950	.02661	.05360	.12241	.48798	187.54
SDev	.00000	.122	.00002	.00046	.00010	.00221	.34
%RSD	.00215	.13160	.07208	.85907	.08272	.45221	.17879
#1	.00548	92.864	.02659	.05393	.12248	.48642	187.30
#2	.00548	93.037	.02662	.05328	.12234	.48954	187.78
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.300	34.126	3.3443	1.6043	.08498	.02695	.23458
SDev	.072	.043	.0064	.0099	.00058	.00097	.00052
%RSD	.37454	.12626	.19037	.61852	.68175	3.5815	.22268
#1	19.249	34.095	3.3398	1.5973	.08457	.02627	.23421
#2	19.351	34.156	3.3488	1.6114	.08539	.02764	.23494
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.0841	.10965	1.4314	.00661	.00368	.09691	3.0671
SDev	.0026	.00224	.0059	.00066	.00250	.00345	.0090
%RSD	.12412	2.0412	.41233	10.018	67.979	3.5565	.29339
#1	2.0823	.11123	1.4272	.00708	.00191	.09934	3.0607
#2	2.0859	.10807	1.4355	.00614	.00545	.09447	3.0734
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07128	8.2419	.08729	.00908	.52134	.0234
SDev	.00022	.0193	.00179	.00152	.00227	.0046
%RSD	.30432	.23434	2.0516	16.736	.43489	19.84
#1	.07144	8.2283	.08856	.01016	.51974	.0266
#2	.07113	8.2556	.08603	.00801	.52294	.0201
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/08/05 12:32:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49163	.50117	.52259	.52675	.51088	50.710	.49524
SDev	.00220	.00158	.00969	.00055	.00079	.126	.00071
%RSD	.44756	.31492	1.8550	.10364	.15387	.24912	.14232
#1	.49319	.50005	.51574	.52636	.51032	50.621	.49474
#2	.49007	.50228	.52945	.52713	.51143	50.799	.49574
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.52003	52.185	.50761	.49455	.48694	.50044	20.750
SDev	.00108	.136	.00061	.00089	.00069	.00121	.005
%RSD	.20774	.26059	.12073	.17993	.14273	.24162	.02520
#1	.51926	52.089	.50718	.49392	.48644	.49959	20.754
#2	.52079	52.282	.50804	.49518	.48743	.50130	20.747
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.946	50.686	.49189	21.075	.49132	.49646	.49723
SDev	.040	.127	.00083	.044	.00108	.00056	.00089
%RSD	.19984	.24972	.16895	.21078	.22045	.11262	.17916
#1	19.918	50.596	.49130	21.044	.49056	.49686	.49660
#2	19.975	50.775	.49248	21.107	.49209	.49607	.49786
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50594	.49589	.49799	.52536	.52160	.72063	.48429
SDev	.00012	.00204	.00032	.00359	.00207	.01004	.00034
%RSD	.02453	.41177	.06426	.68378	.39618	1.3931	.06953
#1	.50603	.49445	.49777	.52282	.52306	.71353	.48406
#2	.50586	.49734	.49822	.52790	.52014	.72773	.48453
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0176	.26057	.48922	.50138	.49814	10.25
SDev	.0035	.00078	.00085	.00134	.00059	.02
%RSD	.34277	.30053	.17419	.26733	.11832	.1912
#1	1.0152	.26113	.48862	.50043	.49772	10.24
#2	1.0201	.26002	.48982	.50233	.49855	10.26
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/08/05 12:40:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00190	-.00195	.00232	-.00512	.00069	.00564	-.00011
SDev	.00188	.00029	.00173	.00333	.00036	.00004	.00004
%RSD	98.910	14.976	74.558	65.025	52.510	.74294	31.080
#1	.00057	-.00175	.00355	-.00277	.00094	.00567	-.00009
#2	.00323	-.00216	.00110	-.00748	.00043	.00561	-.00014
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00015	.02661	-.00027	.00038	-.00005	-.00183	.01292
SDev	.00000	.00000	.00008	.00017	.00034	.00003	.00402
%RSD	.05379	.00000	28.765	45.163	674.88	1.4503	31.152
#1	-.00015	.02661	-.00021	.00050	.00019	-.00185	.01576
#2	-.00015	.02661	-.00032	.00026	-.00029	-.00181	.01007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08444	-.01339	-.00029	.06742	-.00036	.00392	.00022
SDev	.02220	.00085	.00007	.00038	.00030	.00119	.00035
%RSD	26.295	6.3754	23.357	.56004	82.687	30.332	156.44
#1	.10014	-.01279	-.00024	.06768	-.00015	.00476	.00047
#2	.06874	-.01399	-.00034	.06715	-.00057	.00308	-.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00072	-.00159	-.00067	-.00264	.00487	-.00172	.00007
SDev	.00018	.00254	.00043	.00280	.00195	.00028	.00009
%RSD	25.611	160.07	64.515	105.87	40.034	16.526	120.98
#1	-.00059	.00021	-.00097	-.00066	.00349	-.00152	.00013
#2	-.00085	-.00338	-.00036	-.00462	.00625	-.00192	.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00200	.00159	.00266	.00092	-.00021	.0137
SDev	.00030	.00047	.00080	.00084	.00001	.0105
%RSD	15.222	29.400	30.147	92.073	2.9275	76.91
#1	.00222	.00192	.00322	.00032	-.00020	.0212
#2	.00179	.00126	.00209	.00151	-.00021	.0063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: 0506231-1D Operator: SW
Run Time: 07/08/05 12:42:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.6112	1.6564	-.00623	.00076	.00654	56.527	1.2397
SDev	.0095	.0096	.00251	.00163	.00037	.104	.0031
%RSD	.58818	.57992	40.236	214.99	5.6250	.18391	.25032
#1	1.6179	1.6496	-.00446	-.00039	.00628	56.454	1.2375
#2	1.6045	1.6631	-.00800	.00191	.00680	56.601	1.2419
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00586	88.233	.03173	.05429	.13518	.59093	179.59
SDev	.00001	.523	.00006	.00043	.00079	.00019	.76
%RSD	.13360	.59251	.18635	.79772	.58743	.03152	.42581
#1	.00586	87.863	.03169	.05399	.13462	.59107	179.05
#2	.00587	88.602	.03177	.05460	.13574	.59080	180.13
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	21.025	29.808	3.2513	1.7123	.08616	.02837	.23613
SDev	.023	.117	.0143	.0037	.00019	.00377	.00044
%RSD	.10708	.39392	.43923	.21459	.21764	13.269	.18768
#1	21.041	29.725	3.2412	1.7149	.08630	.02571	.23582
#2	21.009	29.891	3.2614	1.7097	.08603	.03104	.23645
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.3491	.15433	1.6413	-.00157	-.00025	.09978	3.1102
SDev	.0169	.00119	.0033	.00025	.00011	.00250	.0069
%RSD	.71873	.76938	.19809	16.095	43.830	2.5070	.22037
#1	2.3372	.15517	1.6390	-.00175	-.00033	.10155	3.1054
#2	2.3611	.15349	1.6436	-.00139	-.00017	.09802	3.1151
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08022	7.7171	.07707	.00957	.57454	.0229
SDev	.00045	.0222	.00193	.00000	.00122	.0107
%RSD	.55955	.28719	2.5021	.04164	.21214	46.62
#1	.07990	7.7015	.07571	.00957	.57367	.0153
#2	.08053	7.7328	.07843	.00957	.57540	.0304
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-1L 5X Operator: SW
Run Time: 07/08/05 12:44:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.30425	.31274	.00554	-.00497	.00173	10.955	.23957
SDev	.00147	.00123	.00605	.00380	.00032	.051	.00063
%RSD	.48278	.39365	109.23	76.561	18.651	.46151	.26333
#1	.30321	.31361	.00126	-.00765	.00150	10.991	.24001
#2	.30528	.31187	.00981	-.00228	.00196	10.919	.23912
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00103	17.811	.00620	.01157	.02650	.10083	34.186
SDev	.00000	.015	.00021	.00003	.00011	.00030	.006
%RSD	.00391	.08656	3.3792	.26768	.40722	.29547	.01767
#1	.00103	17.800	.00605	.01159	.02642	.10105	34.182
#2	.00103	17.821	.00635	.01155	.02658	.10062	34.190
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.0339	6.8779	.72111	.34957	.01832	.00864	.05033
SDev	.0117	.0037	.00053	.00165	.00020	.00142	.00018
%RSD	.29051	.05394	.07387	.47323	1.1121	16.367	.35458
#1	4.0422	6.8805	.72148	.35074	.01817	.00764	.05020
#2	4.0256	6.8753	.72073	.34840	.01846	.00965	.05045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.45419	.02349	.30991	-.00147	.00373	.01744	.65017
SDev	.00075	.00142	.00033	.00455	.00282	.00035	.00201
%RSD	.16394	6.0516	.10713	309.91	75.459	2.0201	.30850
#1	.45367	.02449	.31015	-.00469	.00572	.01769	.65158
#2	.45472	.02248	.30968	.00175	.00174	.01719	.64875
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01538	1.7404	.02002	.00122	.11136	.0169
SDev	.00009	.0093	.00033	.00014	.00024	.0115
%RSD	.56246	.53577	1.6297	11.190	.21219	68.33
#1	.01532	1.7470	.02025	.00132	.11153	.0087
#2	.01544	1.7339	.01979	.00112	.11120	.0251
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-1MS Operator: SW
Run Time: 07/08/05 12:46:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.1313	2.1917	1.9970	2.0311	.06050	73.760	3.0513
SDev	.0101	.0112	.0152	.0083	.00017	.334	.0092
%RSD	.47588	.51053	.76122	.40924	.27824	.45332	.30152
#1	2.1241	2.1838	1.9863	2.0252	.06038	73.524	3.0448
#2	2.1385	2.1996	2.0078	2.0370	.06062	73.996	3.0578
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05685	119.29	.07675	.52483	.32312	.81326	180.29
SDev	.00032	.93	.00033	.00370	.00219	.00271	1.24
%RSD	.55714	.77784	.43111	.70516	.67943	.33291	.68724
#1	.05662	118.63	.07651	.52221	.32157	.81135	179.41
#2	.05707	119.94	.07698	.52745	.32467	.81518	181.17
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	54.725	70.987	3.5394	40.125	.56854	.29526	.71508
SDev	.158	.472	.0210	.174	.00413	.00483	.00408
%RSD	.28956	.66490	.59252	.43463	.72628	1.6358	.56996
#1	54.613	70.653	3.5245	40.001	.56562	.29184	.71220
#2	54.838	71.321	3.5542	40.248	.57146	.29867	.71796
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.5443	2.0461	2.1716	2.0197	1.9668	.83544	3.9230
SDev	.0232	.0128	.0108	.0106	.0006	.02939	.0191
%RSD	.91230	.62539	.49921	.52513	.03118	3.5182	.48580
#1	2.5279	2.0370	2.1639	2.0122	1.9673	.81465	3.9096
#2	2.5607	2.0551	2.1793	2.0272	1.9664	.85622	3.9365
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0126	9.7198	.52696	.93886	1.0047	.0238
SDev	.0090	.0578	.00249	.00559	.0034	.0016
%RSD	.88820	.59467	.47309	.59573	.33424	6.576
#1	1.0063	9.6789	.52520	.93490	1.0023	.0227
#2	1.0190	9.7607	.52873	.94281	1.0071	.0249
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-1MS Operator: SW
Run Time: 07/08/05 12:48:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	2.2134	2.2719	1.9968	2.0397	.05558	73.142	3.1341
SDev	.0060	.0070	.0036	.0213	.00006	.193	.0013
%RSD	.27068	.30973	.17894	1.0450	.10283	.26372	.04001
#1	2.2092	2.2669	1.9943	2.0246	.05554	73.278	3.1350
#2	2.2177	2.2769	1.9993	2.0547	.05562	73.006	3.1332
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05754	123.93	.07906	.52486	.31303	.74162	174.01
SDev	.00026	.64	.00040	.00323	.00136	.00192	.79
%RSD	.45456	.51449	.50494	.61622	.43286	.25871	.45374
#1	.05735	123.48	.07878	.52257	.31207	.74298	173.45
#2	.05772	124.38	.07934	.52715	.31398	.74026	174.57
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	54.541	68.083	3.6960	40.135	.56262	.29918	.71169
SDev	.121	.203	.0154	.099	.00334	.00222	.00222
%RSD	.22172	.29813	.41761	.24715	.59445	.74169	.31250
#1	54.627	67.940	3.6850	40.205	.56025	.30075	.71012
#2	54.456	68.227	3.7069	40.065	.56498	.29761	.71327
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.7834	2.0666	2.2524	2.0254	1.9749	.82170	3.8510
SDev	.0205	.0114	.0067	.0154	.0019	.03496	.0102
%RSD	.73479	.55087	.29696	.76070	.09631	4.2545	.26529
#1	2.7689	2.0586	2.2477	2.0145	1.9763	.84642	3.8438
#2	2.7979	2.0747	2.2572	2.0363	1.9736	.79698	3.8583
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0270	10.991	.52812	.95007	1.0061	.0262
SDev	.0019	.021	.00061	.00520	.0003	.0066
%RSD	.18763	.18695	.11572	.54686	.03477	25.26

#1	1.0256	10.977	.52769	.94639	1.0059	.0215
#2	1.0283	11.006	.52855	.95374	1.0064	.0309
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-2 Operator: SW
Run Time: 07/08/05 12:50:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	6.2670	6.4679	.00433	.01435	.04940	56.731	1.8914
SDev	.0078	.0196	.00415	.00072	.00062	.062	.0023
%RSD	.12460	.30234	95.988	5.0396	1.2517	.10883	.12181
#1	6.2726	6.4817	.00139	.01486	.04896	56.775	1.8930
#2	6.2615	6.4540	.00727	.01384	.04983	56.687	1.8897
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00542	88.952	.05724	.05399	.24484	.68599	198.01
SDev	.00002	.115	.00021	.00078	.00031	.00072	.19
%RSD	.29399	.12925	.36527	1.4518	.12774	.10549	.09792
#1	.00544	88.871	.05709	.05344	.24462	.68650	197.88
#2	.00541	89.033	.05739	.05455	.24506	.68548	198.15
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.600	27.623	5.3028	2.1671	.09831	.03616	.21892
SDev	.043	.015	.0042	.0201	.00063	.00127	.00036
%RSD	.22020	.05482	.07984	.92727	.63876	3.5157	.16225
#1	19.630	27.613	5.2998	2.1813	.09787	.03526	.21867
#2	19.569	27.634	5.3058	2.1529	.09875	.03706	.21917
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.3266	.93938	6.4010	.01101	-.00082	.09134	2.9815
SDev	.0096	.00634	.0156	.00090	.00003	.01007	.0005
%RSD	.22139	.67513	.24439	8.1849	3.6209	11.021	.01764

#1	4.3198	.93489	6.4121	.01037	-.00085	.09846	2.9811
#2	4.3334	.94386	6.3899	.01165	-.00080	.08422	2.9819
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06959	11.929	.08532	.02190	.51720	.0318
SDev	.00148	.001	.00028	.00040	.00051	.0177
%RSD	2.1269	.00594	.32677	1.8441	.09918	55.49
#1	.07064	11.930	.08552	.02219	.51756	.0193
#2	.06854	11.929	.08513	.02162	.51683	.0443
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-3 Operator: SW
Run Time: 07/08/05 12:52:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.5963	2.6750	-.00188	.00462	.00660	53.322	1.3427
SDev	.0041	.0117	.01022	.00305	.00025	.018	.0029
%RSD	.15717	.43848	543.41	65.996	3.8223	.03452	.21435
#1	2.5934	2.6667	-.00911	.00247	.00642	53.309	1.3447
#2	2.5992	2.6833	.00535	.00678	.00678	53.335	1.3407
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00548	130.54	.02893	.05199	.11389	.66169	164.50
SDev	.00000	.66	.00008	.00059	.00040	.00155	.43
%RSD	.00217	.50279	.28519	1.1273	.34758	.23497	.25912
#1	.00548	130.07	.02888	.05157	.11361	.66279	164.20
#2	.00548	131.00	.02899	.05240	.11417	.66059	164.80
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	17.923	29.417	3.3078	4.3040	.08879	.05956	.21763
SDev	.032	.084	.0054	.0081	.00039	.00217	.00053
%RSD	.18104	.28464	.16294	.18854	.44219	3.6499	.24371

#1	17.946	29.358	3.3039	4.3097	.08851	.05802	.21726
#2	17.900	29.476	3.3116	4.2982	.08906	.06110	.21801
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000
Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.5247	.15332	2.6488	.00246	.00250	.10332	2.8006
SDev	.0146	.00201	.0092	.00544	.00069	.00499	.0037
%RSD	.57903	1.3107	.34667	221.32	27.563	4.8316	.13340
#1	2.5143	.15190	2.6423	-.00139	.00299	.10685	2.8032
#2	2.5350	.15475	2.6553	.00631	.00201	.09979	2.7979
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000
Elem	B	Si	Sn	Mo	Sr	U	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	.10332	8.1544	.15387	.01172	.82018	.0323	
SDev	.00078	.0158	.00108	.00055	.00123	.0151	
%RSD	.75476	.19405	.70060	4.6518	.14987	46.76	
#1	.10277	8.1656	.15463	.01210	.82105	.0216	
#2	.10387	8.1433	.15311	.01133	.81932	.0429	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	
High	10.000	50.000	10.000	10.000	10.000	50.00	
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000	

Method: 30EL Sample Name: 0506231-4 Operator: SW
Run Time: 07/08/05 12:54:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.6989	1.7628	-.00685	.00551	.00785	64.704	1.5179
SDev	.0007	.0093	.00011	.00377	.00041	.254	.0023
%RSD	.04218	.52704	1.5758	68.332	5.2029	.39268	.15334
#1	1.6984	1.7562	-.00677	.00285	.00756	64.884	1.5195
#2	1.6994	1.7694	-.00692	.00817	.00814	64.525	1.5162
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000
Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00601	79.178	.04361	.05517	.13186	.56805	173.83
SDev	.00003	.405	.00036	.00074	.00068	.00193	.70
%RSD	.52629	.51101	.81761	1.3480	.51425	.33891	.40284

#1	.00599	78.892	.04336	.05465	.13138	.56941	173.34
#2	.00604	79.464	.04387	.05570	.13234	.56669	174.33
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	21.302	26.650	3.9037	2.0765	.09033	.02487	.23760
SDev	.114	.079	.0138	.0142	.00126	.00051	.00036
%RSD	.53435	.29734	.35241	.68528	1.3892	2.0524	.15043
#1	21.382	26.594	3.8939	2.0865	.08944	.02523	.23734
#2	21.222	26.706	3.9134	2.0664	.09122	.02451	.23785
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.2703	.15490	1.7415	.00140	-.00130	.10904	3.0154
SDev	.0158	.00072	.0064	.00248	.00287	.00062	.0046
%RSD	.69443	.46348	.36953	177.38	220.94	.57016	.15280
#1	2.2592	.15439	1.7370	-.00035	.00073	.10948	3.0122
#2	2.2815	.15541	1.7461	.00315	-.00333	.10861	3.0187
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10003	9.2925	.07111	.01706	.60932	.0280
SDev	.00045	.0582	.00042	.00069	.00061	.0104
%RSD	.44782	.62664	.59420	4.0429	.10064	37.30
#1	.09971	9.3336	.07141	.01657	.60975	.0206
#2	.10034	9.2513	.07081	.01755	.60889	.0354
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-5 Operator: SW
Run Time: 07/08/05 12:56:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.92925	.96585	-.01224	.00838	.00410	73.611	1.5728
SDev	.00328	.00402	.00585	.00147	.00004	.361	.0067
%RSD	.35288	.41595	47.777	17.537	.95186	.49020	.42660

#1	.93157	.96301	-.00810	.00734	.00413	73.355	1.5681
#2	.92694	.96870	-.01637	.00942	.00407	73.866	1.5776
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00587	106.90	.00634	.07164	.19556	1.4654	H236.09
SDev	.00002	.01	.00026	.00011	.00027	.0076	.35
%RSD	.26740	.01001	4.0225	.15073	.13991	.51985	.14941
#1	.00586	106.89	.00616	.07156	.19575	1.4600	H235.85
#2	.00589	106.91	.00652	.07171	.19537	1.4708	H236.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	22.753	44.283	3.9338	3.8236	.13986	.02149	.31235
SDev	.136	.072	.0052	.0289	.00002	.00216	.00071
%RSD	.59807	.16207	.13306	.75640	.01132	10.047	.22600
#1	22.656	44.232	3.9301	3.8031	.13985	.02302	.31185
#2	22.849	44.334	3.9375	3.8440	.13987	.01997	.31285
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.3196	.08313	.95367	.00151	-.00134	.13630	3.8904
SDev	.0019	.00256	.00159	.00097	.00005	.01133	.0178
%RSD	.14368	3.0845	.16648	63.956	3.9887	8.3165	.45670
#1	1.3210	.08131	.95254	.00220	-.00137	.12828	3.8778
#2	1.3183	.08494	.95479	.00083	-.00130	.14431	3.9030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05333	9.7264	.06726	.00674	.43675	.0285
SDev	.00084	.0097	.00013	.00069	.00169	.0074
%RSD	1.5731	.09935	.19964	10.230	.38716	25.90
#1	.05393	9.7196	.06716	.00625	.43555	.0337
#2	.05274	9.7333	.06735	.00723	.43795	.0232
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00

Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-6 Operator: SW
Run Time: 07/08/05 12:58:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.1606	2.2279	-.00870	.00279	.00672	70.048	1.5663
SDev	.0039	.0058	.00191	.00191	.00006	.242	.0048
%RSD	.18240	.26234	21.922	68.557	.92817	.34526	.30904
#1	2.1578	2.2238	-.00735	.00144	.00676	70.219	1.5697
#2	2.1634	2.2321	-.01005	.00414	.00667	69.877	1.5629
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00587	105.04	.02951	.06368	.16107	.69214	H203.68
SDev	.00003	.40	.00006	.00027	.00027	.00305	.42
%RSD	.54018	.38490	.19012	.41915	.16632	.44028	.20383
#1	.00585	104.76	.02955	.06350	.16088	.69430	H203.38
#2	.00589	105.33	.02947	.06387	.16126	.68999	H203.97
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	23.165	35.939	3.6105	5.3435	.11653	.03586	.27701
SDev	.080	.063	.0064	.0226	.00039	.00142	.00009
%RSD	.34723	.17525	.17682	.42321	.33597	3.9480	.03121
#1	23.222	35.894	3.6060	5.3595	.11681	.03485	.27695
#2	23.109	35.983	3.6150	5.3275	.11626	.03686	.27707
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.1841	.14545	2.2055	-.00104	.00144	.13327	3.6069
SDev	.0120	.00206	.0052	.00064	.00018	.00644	.0024
%RSD	.54844	1.4160	.23626	61.806	12.668	4.8342	.06606
#1	2.1756	.14400	2.2018	-.00149	.00132	.13783	3.6052
#2	2.1925	.14691	2.2092	-.00058	.00157	.12872	3.6086
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000

Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07807	9.7654	.09820	.00732	.59305	.0153
SDev	.00012	.0058	.00033	.00042	.00144	.0009
%RSD	.14873	.05897	.33618	5.6724	.24199	5.752
#1	.07798	9.7695	.09844	.00761	.59406	.0159
#2	.07815	9.7613	.09797	.00703	.59203	.0147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-7 Operator: SW
Run Time: 07/08/05 13:00:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.9716	2.0340	-.01281	-.00009	.01168	49.157	1.5335
SDev	.0004	.0049	.00660	.00248	.00012	.107	.0013
%RSD	.01838	.24218	51.501	2779.2	1.0181	.21758	.08304
#1	1.9718	2.0305	-.00815	-.00184	.01176	49.081	1.5326
#2	1.9713	2.0375	-.01748	.00166	.01159	49.232	1.5344
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00401	81.228	.02231	.05321	.18270	.62728	178.38
SDev	.00001	.029	.00016	.00028	.00002	.00057	.24
%RSD	.19665	.03511	.69802	.52246	.01291	.09053	.13451
#1	.00402	81.208	.02242	.05340	.18268	.62688	178.21
#2	.00401	81.248	.02220	.05301	.18271	.62768	178.55
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	16.641	31.126	2.7216	3.1837	.15275	.03245	.22859
SDev	.028	.041	.0020	.0075	.00003	.00418	.00018
%RSD	.16862	.13290	.07299	.23652	.02076	12.890	.07716
#1	16.621	31.097	2.7202	3.1784	.15277	.02949	.22871
#2	16.661	31.156	2.7230	3.1890	.15273	.03541	.22846
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000

Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000
Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.8357	.17828	2.0132	-.00433	.00232	.10023	3.4069
SDev	.0015	.00198	.0032	.00054	.00109	.00375	.0028
%RSD	.08073	1.1117	.15720	12.548	47.215	3.7429	.08131
#1	1.8347	.17688	2.0110	-.00394	.00309	.09757	3.4049
#2	1.8368	.17968	2.0154	-.00471	.00154	.10288	3.4089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08005	8.0749	.07352	.00742	.41325	.0229
SDev	.00027	.0253	.00184	.00000	.00019	.0005
%RSD	.33838	.31280	2.4960	.00234	.04666	2.028
#1	.07986	8.0570	.07482	.00742	.41312	.0233
#2	.08024	8.0928	.07222	.00742	.41339	.0226
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/08/05 13:02:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49352	.50875	.51998	.52474	.51302	50.821	.49577
SDev	.00281	.00237	.00575	.01074	.00040	.076	.00120
%RSD	.56905	.46679	1.1065	2.0473	.07709	.15041	.24097
#1	.49551	.50707	.51591	.51714	.51274	50.875	.49661
#2	.49154	.51043	.52405	.53233	.51330	50.767	.49492
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.52347	52.903	.51271	.49796	.49053	.50095	20.884
SDev	.00046	.053	.00073	.00052	.00036	.00108	.048
%RSD	.08714	.09960	.14277	.10339	.07386	.21582	.23064
#1	.52315	52.866	.51220	.49759	.49027	.50172	20.918
#2	.52379	52.940	.51323	.49832	.49079	.50019	20.850
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500

Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.945	51.002	.49588	21.091	.49619	.49872	.50080
SDev	.029	.046	.00046	.037	.00147	.00060	.00027
%RSD	.14529	.09045	.09354	.17697	.29720	.11968	.05334
#1	19.966	50.970	.49621	21.117	.49515	.49914	.50061
#2	19.925	51.035	.49555	21.065	.49724	.49830	.50099
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.51327	.49948	.50368	.52315	.51902	.68152	.48513
SDev	.00099	.00310	.00065	.00908	.00562	.04360	.00081
%RSD	.19267	.62029	.12881	1.7359	1.0828	6.3980	.16654
#1	.51257	.50167	.50322	.51673	.52299	.71235	.48570
#2	.51397	.49729	.50414	.52958	.51505	.65068	.48456
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0190	Q.27708	.48880	.50094	.49940	10.33
SDev	.0014	.00569	.00146	.00093	.00061	.00
%RSD	.13751	2.0522	.29897	.18611	.12294	.0268
#1	1.0181	Q.28110	.48983	.50028	.49984	10.33
#2	1.0200	.27306	.48777	.50160	.49897	10.33
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/08/05 13:05:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00060	-.00077	.00093	-.00348	.00040	.02132	.00016
SDev	.00009	.00083	.00018	.00063	.00040	.00048	.00002
%RSD	14.524	108.40	18.881	18.001	99.156	2.2590	14.618
#1	.00054	-.00135	.00106	-.00393	.00012	.02098	.00015
#2	.00066	-.00018	.00081	-.00304	.00068	.02166	.00018
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00010	.04454	-.00028	.00016	-.00026	-.00176	.03703
SDev	.00000	.00009	.00027	.00027	.00022	.00008	.00037
%RSD	.03877	.20171	97.787	172.74	87.500	4.5976	1.0007
#1	-.00010	.04448	-.00047	-.00003	-.00041	-.00170	.03677
#2	-.00010	.04461	-.00009	.00035	-.00010	-.00182	.03730
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08318	-.00527	.00039	.07049	-.00070	-.00125	-.00003
SDev	.00831	.00057	.00003	.00013	.00016	.00053	.00017
%RSD	9.9893	10.790	7.3637	.18748	22.205	42.263	662.94
#1	.07731	-.00568	.00037	.07058	-.00059	-.00087	-.00015
#2	.08906	-.00487	.00041	.07039	-.00081	-.00162	.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00007	.00089	-.00031	-.00201	.00347	-.00212	.00076
SDev	.00012	.00158	.00058	.00036	.00027	.00028	.00003
%RSD	178.48	177.14	187.78	17.864	7.8064	13.395	4.4306
#1	.00002	-.00022	-.00072	-.00227	.00366	-.00232	.00078
#2	-.00016	.00200	.00010	-.00176	.00328	-.00192	.00073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00320	.00837	.00069	.00111	-.00008	.0023
SDev	.00026	.00006	.00197	.00141	.00000	.0117
%RSD	7.9790	.69320	284.11	127.00	3.5700	512.6
#1	.00338	.00841	.00209	.00210	-.00009	-.0060
#2	.00302	.00833	-.00070	.00011	-.00008	.0106
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: 0506231-8 Operator: SW
Run Time: 07/08/05 13:07:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.1852	2.2444	-.00522	.00308	.01119	58.856	2.0306
SDev	.0052	.0138	.00782	.00093	.00004	.082	.0041
%RSD	.24005	.61284	149.89	30.368	.35166	.13967	.20090
#1	2.1815	2.2346	.00031	.00242	.01116	58.798	2.0277
#2	2.1889	2.2541	-.01074	.00374	.01121	58.914	2.0335
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00709	71.048	.02182	.05742	.13081	.57247	H201.30
SDev	.00004	.450	.00022	.00063	.00118	.00017	1.13
%RSD	.55686	.63332	1.0130	1.0991	.90196	.02897	.56152
#1	.00706	70.730	.02166	.05697	.12997	.57259	H200.50
#2	.00712	71.366	.02197	.05787	.13164	.57235	H202.10
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.068	27.993	2.9976	3.1024	.10306	.03184	.26356
SDev	.000	.114	.0146	.0022	.00041	.00305	.00080
%RSD	.00199	.40891	.48640	.07046	.39622	9.5808	.30163
#1	19.068	27.912	2.9873	3.1039	.10277	.02969	.26299
#2	19.069	28.074	3.0079	3.1008	.10335	.03400	.26412
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.1305	.22313	2.2246	.00032	-.00339	.10089	3.0833
SDev	.0170	.00003	.0109	.00198	.00173	.00156	.0110
%RSD	.80012	.01584	.49091	626.41	51.003	1.5486	.35630
#1	2.1185	.22311	2.2169	.00172	-.00461	.09979	3.0755
#2	2.1426	.22316	2.2324	-.00108	-.00217	.10200	3.0911
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07865	7.8416	.07472	.00821	.51647	.0362
SDev	.00026	.0245	.00057	.00000	.00136	.0075
%RSD	.32478	.31284	.75773	.03394	.26346	20.58
#1	.07883	7.8242	.07512	.00821	.51551	.0309
#2	.07847	7.8589	.07432	.00821	.51743	.0415
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-9 Operator: SW
Run Time: 07/08/05 13:09:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	7.7581	7.9331	.00003	.00284	.02866	43.219	1.4366
SDev	.0071	.0518	.00009	.00473	.00051	.027	.0034
%RSD	.09206	.65323	258.47	166.34	1.7884	.06210	.23602
#1	7.7530	7.8965	-.00003	-.00050	.02830	43.200	1.4342
#2	7.7631	7.9698	.00010	.00618	.02902	43.238	1.4390
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00428	32.280	.11268	.03673	.13401	.55376	153.93
SDev	.00002	.127	.00063	.00036	.00101	.00050	.68
%RSD	.55082	.39366	.55586	.97544	.75466	.09060	.44248
#1	.00426	32.190	.11224	.03648	.13330	.55341	153.45
#2	.00430	32.369	.11313	.03699	.13473	.55412	154.41
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	13.483	15.676	2.3193	4.5533	.07287	.04234	.18767
SDev	.014	.053	.0077	.0021	.00049	.00285	.00097
%RSD	.10147	.33844	.33188	.04625	.66736	6.7343	.51723
#1	13.493	15.638	2.3139	4.5548	.07253	.04032	.18699
#2	13.473	15.713	2.3248	4.5518	.07322	.04435	.18836
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	3.6372	.85215	7.8748	.00191	.00201	.10794	3.4027
SDev	.0204	.00342	.0369	.00318	.00096	.00591	.0100
%RSD	.56076	.40118	.46914	166.89	47.819	5.4758	.29387
#1	3.6228	.84974	7.8487	-.00034	.00269	.11212	3.3957
#2	3.6516	.85457	7.9010	.00416	.00133	.10376	3.4098
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05392	6.8892	.05952	.01686	.36005	.0162
SDev	.00033	.0044	.00038	.00068	.00095	.0156
%RSD	.60509	.06353	.63226	4.0336	.26475	96.13
#1	.05369	6.8923	.05926	.01734	.35938	.0052
#2	.05415	6.8862	.05979	.01638	.36073	.0273
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-10 Operator: SW
Run Time: 07/08/05 13:11:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	4.6037	4.7621	-.00724	.00289	.01688	55.928	2.5426
SDev	.0089	.0167	.01261	.00221	.00025	.061	.0070
%RSD	.19369	.34968	174.17	76.675	1.4607	.10900	.27685
#1	4.6100	4.7503	.00168	.00132	.01671	55.885	2.5376
#2	4.5974	4.7739	-.01616	.00445	.01706	55.971	2.5476
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00693	58.562	.04059	.04600	.12525	.67055	153.34
SDev	.00001	.109	.00004	.00018	.00015	.00095	.31
%RSD	.11227	.18580	.10922	.39739	.11599	.14175	.20104
#1	.00692	58.485	.04056	.04613	.12514	.66987	153.12
#2	.00693	58.639	.04062	.04587	.12535	.67122	153.56
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	12.784	16.273	3.4984	1.7405	.08349	.02277	.20310
SDev	.015	.031	.0087	.0014	.00113	.00248	.00070
%RSD	.11426	.18945	.24777	.08096	1.3513	10.874	.34618
#1	12.774	16.251	3.4923	1.7395	.08269	.02102	.20261
#2	12.795	16.295	3.5045	1.7414	.08429	.02452	.20360
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	3.5408	.22609	4.7094	-.00049	-.00347	.09513	2.9885
SDev	.0090	.00114	.0081	.00272	.00080	.00282	.0072
%RSD	.25515	.50569	.17280	559.91	23.172	2.9677	.24090
#1	3.5344	.22528	4.7036	.00144	-.00404	.09314	2.9834
#2	3.5472	.22690	4.7151	-.00241	-.00290	.09713	2.9936
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20323	5.9698	.05666	.02587	.91477	.0353
SDev	.00017	.0102	.00085	.00109	.00251	.0081
%RSD	.08310	.17015	1.4930	4.2131	.27438	22.86
#1	.20311	5.9627	.05606	.02664	.91300	.0296
#2	.20334	5.9770	.05726	.02510	.91655	.0410
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-11 Operator: SW
Run Time: 07/08/05 13:13:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	2.2890	2.3418	.00354	-.00508	.00314	11.486	.16985
SDev	.0075	.0034	.01222	.00040	.00058	.043	.00002
%RSD	.32618	.14681	344.98	7.9053	18.489	.37861	.01401
#1	2.2837	2.3394	.01219	-.00480	.00355	11.455	.16987
#2	2.2943	2.3443	-.00510	-.00537	.00273	11.517	.16984
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00089	358.30	.00099	.09331	.46905	1.3494	22.343
SDev	.00000	.56	.00030	.00017	.00001	.0081	.028
%RSD	.06231	.15659	29.969	.18440	.00227	.60308	.12724
#1	.00089	358.70	.00120	.09343	.46905	1.3437	22.363
#2	.00089	357.91	.00078	.09319	.46906	1.3552	22.323
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	6.0931	125.37	6.2725	.70609	.03153	.02771	1.1300
SDev	.0289	.11	.0065	.00528	.00006	.00534	.0025
%RSD	.47417	.08464	.10335	.74838	.19809	19.269	.21780
#1	6.0727	125.30	6.2679	.70236	.03149	.03148	1.1283
#2	6.1135	125.45	6.2771	.70983	.03158	.02393	1.1318
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	7.3203	.20506	2.3243	-.00221	.00266	.08868	.29725
SDev	.0233	.00147	.0048	.00434	.00470	.00630	.00024
%RSD	.31845	.71797	.20563	196.35	176.49	7.1084	.08113
#1	7.3368	.20402	2.3209	.00086	.00599	.08422	.29742
#2	7.3039	.20610	2.3276	-.00528	-.00066	.09314	.29708
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04523	5.0283	.02538	.01473	2.2642	.0215
SDev	.00016	.0374	.00098	.00124	.0108	.0149
%RSD	.36129	.74402	3.8795	8.4319	.47519	69.32

#1	.04534	5.0019	.02468	.01561	2.2566	.0320
#2	.04511	5.0548	.02607	.01385	2.2718	.0109
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-12 Operator: SW
Run Time: 07/08/05 13:15:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	3.2641	3.3527	.00714	.00346	.00806	48.744	2.7147
SDev	.0073	.0194	.00648	.00319	.00052	.200	.0001
%RSD	.22411	.57887	90.813	92.231	6.4982	.41021	.00501
#1	3.2693	3.3390	.01172	.00120	.00769	48.603	2.7146
#2	3.2589	3.3664	.00255	.00572	.00843	48.886	2.7148
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00407	47.466	.02989	.04956	.17071	.49495	140.28
SDev	.00002	.074	.00007	.00029	.00028	.00022	.45
%RSD	.38574	.15557	.24254	.58002	.16425	.04428	.31795
#1	.00406	47.414	.02984	.04936	.17051	.49480	139.96
#2	.00408	47.518	.02994	.04977	.17091	.49511	140.59
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	14.581	15.361	2.0138	3.1913	.11541	.01798	.19431
SDev	.036	.018	.0027	.0118	.00020	.00097	.00071
%RSD	.24656	.11987	.13303	.37062	.17689	5.4093	.36382
#1	14.555	15.348	2.0119	3.1829	.11526	.01867	.19381
#2	14.606	15.374	2.0157	3.1997	.11555	.01730	.19481
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	4.6973	.09859	3.3232	.00469	-.00179	.08333	3.0140
SDev	.0195	.00191	.0105	.00003	.00043	.00190	.0109
%RSD	.41461	1.9343	.31623	.62471	24.215	2.2789	.36280

#1	4.6836	.09724	3.3158	.00471	-.00210	.08467	3.0063
#2	4.7111	.09994	3.3306	.00466	-.00148	.08198	3.0217
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04809	6.9199	.07903	.04311	.37880	.0212
SDev	.00059	.0783	.00071	.00040	.00052	.0141
%RSD	1.2289	1.1313	.89211	.93397	.13721	66.43
#1	.04767	6.8646	.07853	.04339	.37916	.0113
#2	.04851	6.9753	.07953	.04282	.37843	.0312
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507003-1 Operator: SW
Run Time: 07/08/05 13:17:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04237	.06166	-.01651	.00128	.00093	71.996	1.2329
SDev	.00472	.00345	.00233	.00530	.00068	.175	.0011
%RSD	11.134	5.5937	14.131	414.65	72.908	.24240	.09108
#1	.04570	.06410	-.01816	-.00247	.00045	71.873	1.2336
#2	.03903	.05923	-.01486	.00503	.00141	72.120	1.2321
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00330	18.709	-.00511	.06343	.16571	.13035	161.20
SDev	.00002	.082	.00021	.00015	.00109	.00028	.61
%RSD	.47227	.43983	4.1638	.23755	.65812	.21876	.38110
#1	.00329	18.651	-.00496	.06332	.16494	.13055	160.77
#2	.00332	18.767	-.00526	.06353	.16649	.13015	161.64
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.7404	22.674	2.1817	1.7128	.13669	.00844	.36387
SDev	.0071	.109	.0075	.0015	.00081	.00135	.00115
%RSD	.14940	.47976	.34467	.08893	.59642	15.979	.31610

#1	4.7354	22.597	2.1764	1.7117	.13612	.00748	.36305
#2	4.7454	22.751	2.1870	1.7138	.13727	.00939	.36468
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.24955	.02654	.05524	-.00464	.00064	.05314	4.7131
SDev	.00009	.00037	.00387	.00431	.00235	.00098	.0110
%RSD	.03451	1.4005	7.0087	92.871	367.40	1.8420	.23393
#1	.24961	.02681	.05798	-.00769	.00230	.05245	4.7053
#2	.24949	.02628	.05250	-.00159	-.00102	.05383	4.7209
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00667	7.9918	.03083	-.00027	.25472	.0214
SDev	.00014	.0240	.00033	.00001	.00000	.0186
%RSD	2.0198	.30020	1.0688	2.4860	.00120	86.92
#1	.00658	7.9748	.03060	-.00027	.25471	.0082
#2	.00677	8.0087	.03107	-.00026	.25472	.0345
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507003-3 Operator: SW
Run Time: 07/08/05 13:19:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03941	.05808	-.01524	.00289	.00037	76.574	1.4720
SDev	.00038	.00295	.00212	.00074	.00038	.124	.0016
%RSD	.96571	5.0794	13.910	25.741	104.60	.16223	.10781
#1	.03968	.06017	-.01374	.00236	.00010	76.662	1.4731
#2	.03914	.05599	-.01674	.00341	.00064	76.487	1.4709
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00383	20.555	-.00663	.08138	.17102	.12634	184.28
SDev	.00001	.082	.00010	.00026	.00106	.00025	.68
%RSD	.20269	.39733	1.5611	.31951	.61916	.19440	.36980

#1	.00383	20.497	-.00656	.08120	.17027	.12652	183.79
#2	.00384	20.613	-.00671	.08156	.17177	.12617	184.76
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.8843	23.938	2.8752	1.2782	.14524	.01004	.42663
SDev	.0000	.068	.0090	.0031	.00096	.00142	.00071
%RSD	.00000	.28271	.31195	.24372	.65857	14.125	.16708
#1	4.8843	23.890	2.8688	1.2804	.14456	.00903	.42612
#2	4.8843	23.986	2.8815	1.2760	.14592	.01104	.42713
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.24924	.02231	.05186	-.00315	.00063	.05612	5.0855
SDev	.00177	.00186	.00209	.00021	.00098	.00650	.0080
%RSD	.70993	8.3548	4.0385	6.6813	154.41	11.585	.15766
#1	.24799	.02100	.05334	-.00300	-.00006	.06072	5.0798
#2	.25049	.02363	.05038	-.00330	.00133	.05153	5.0912
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00714	7.6957	.03115	-.00035	.26079	.0158
SDev	.00102	.0083	.00160	.00123	.00015	.0142
%RSD	14.308	.10735	5.1330	355.11	.05838	90.03
#1	.00642	7.6899	.03002	-.00122	.26089	.0057
#2	.00787	7.7016	.03228	.00052	.26068	.0258
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507003-4 Operator: SW
Run Time: 07/08/05 13:21:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02456	.03575	-.00612	-.00327	.00065	66.180	.83899
SDev	.00305	.00173	.00684	.00102	.00024	.222	.00177
%RSD	12.431	4.8394	111.66	31.097	37.169	.33615	.21034

#1	.02672	.03452	-.00129	-.00399	.00048	66.337	.84024
#2	.02240	.03697	-.01096	-.00255	.00082	66.023	.83774
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00244	19.406	-.00456	.06767	.22430	.15343	150.69
SDev	.00000	.012	.00020	.00011	.00031	.00013	.01
%RSD	.00165	.06240	4.2862	.15809	.13773	.08555	.00492
#1	.00244	19.398	-.00442	.06760	.22408	.15353	150.70
#2	.00244	19.415	-.00469	.06775	.22452	.15334	150.69
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	6.6534	27.170	2.1371	1.5426	.22587	.00631	.32354
SDev	.0160	.006	.0006	.0049	.00077	.00586	.00018
%RSD	.23980	.02222	.02666	.31814	.34014	92.899	.05575
#1	6.6646	27.166	2.1367	1.5461	.22533	.00216	.32342
#2	6.6421	27.174	2.1375	1.5391	.22641	.01045	.32367
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.25465	.02930	.03202	-.00422	.00511	.06346	4.1043
SDev	.00031	.00084	.00014	.00160	.00083	.00258	.0023
%RSD	.12302	2.8483	.42850	37.901	16.270	4.0640	.05618
#1	.25443	.02989	.03192	-.00309	.00452	.06528	4.1059
#2	.25487	.02871	.03212	-.00535	.00570	.06164	4.1027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00723	5.8958	.02992	.00062	.20231	.0194
SDev	.00010	.0119	.00113	.00071	.00030	.0068
%RSD	1.4237	.20195	3.7649	115.21	.14721	34.78
#1	.00731	5.9042	.03072	.00011	.20252	.0147
#2	.00716	5.8874	.02912	.00112	.20210	.0242
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00

Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507003-5 Operator: SW
Run Time: 07/08/05 13:23:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04152	.05829	-.01200	-.00250	.00034	86.527	1.6010
SDev	.00079	.00104	.00045	.00313	.00015	.205	.0038
%RSD	1.9093	1.7835	3.7318	125.19	43.525	.23660	.23805
#1	.04208	.05755	-.01169	-.00472	.00023	86.382	1.5984
#2	.04096	.05902	-.01232	-.00029	.00044	86.672	1.6037
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00367	27.399	-.00633	.08112	.16339	.15848	193.13
SDev	.00002	.061	.00012	.00021	.00000	.00013	.49
%RSD	.42678	.22339	1.8169	.26189	.00000	.07921	.25341
#1	.00366	27.355	-.00641	.08097	.16339	.15839	192.78
#2	.00368	27.442	-.00625	.08127	.16339	.15857	193.48
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	6.8996	29.387	2.1217	2.5113	.14751	.00928	.40076
SDev	.0090	.085	.0056	.0054	.00132	.00294	.00097
%RSD	.13071	.28951	.26345	.21696	.89277	31.704	.24170
#1	6.8932	29.327	2.1178	2.5074	.14658	.00720	.40008
#2	6.9059	29.447	2.1257	2.5151	.14844	.01136	.40145
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.31791	.02611	.05271	-.00566	.00538	.06869	5.6436
SDev	.00003	.00142	.00043	.00194	.00048	.00160	.0154
%RSD	.00860	5.4451	.81468	34.236	8.8557	2.3341	.27343
#1	.31789	.02511	.05240	-.00704	.00504	.06982	5.6327
#2	.31793	.02712	.05301	-.00429	.00572	.06755	5.6545
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000

Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00771	5.9921	.03405	.00012	.31353	.0190
SDev	.00063	.0020	.00198	.00028	.00076	.0000
%RSD	8.2154	.03311	5.8143	238.96	.24323	.0000
#1	.00816	5.9935	.03545	.00032	.31299	.0190
#2	.00726	5.9907	.03265	-.00008	.31407	.0190
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507003-6 Operator: SW
Run Time: 07/08/05 13:25:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.05338	.06245	-.00575	-.00417	.00079	62.553	.95625
SDev	.00134	.00065	.00471	.00063	.00001	.033	.00220
%RSD	2.5130	1.0411	81.990	15.021	1.4438	.05348	.23014
#1	.05433	.06199	-.00242	-.00462	.00079	62.530	.95470
#2	.05243	.06291	-.00908	-.00373	.00080	62.577	.95781
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00327	16.738	-.00441	.06491	.14858	.09931	140.83
SDev	.00000	.023	.00023	.00057	.00044	.00027	.17
%RSD	.00425	.13527	5.1949	.88005	.29541	.27519	.12021
#1	.00327	16.722	-.00425	.06450	.14827	.09951	140.71
#2	.00327	16.754	-.00457	.06531	.14889	.09912	140.95
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	3.1264	15.540	2.1446	1.6898	.08306	.00999	.38556
SDev	.0070	.006	.0027	.0024	.00014	.00401	.00062
%RSD	.22496	.04114	.12737	.14251	.17072	40.133	.15999
#1	3.1313	15.535	2.1427	1.6915	.08296	.01283	.38512
#2	3.1214	15.544	2.1465	1.6881	.08316	.00716	.38600
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000

Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.20101	.02272	.05943	-.00470	.00321	.04057	4.2409
SDev	.00017	.00066	.00001	.00115	.00149	.00033	.0057
%RSD	.08566	2.9210	.02202	24.514	46.290	.81918	.13434
#1	.20089	.02225	.05944	-.00388	.00216	.04034	4.2368
#2	.20113	.02319	.05942	-.00551	.00426	.04081	4.2449
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01022	9.1433	.03024	.00052	.19951	.0233
SDev	.00073	.0084	.00052	.00028	.00033	.0037
%RSD	7.1035	.09221	1.7069	54.202	.16602	15.73
#1	.00971	9.1492	.02988	.00072	.19928	.0207
#2	.01074	9.1373	.03061	.00032	.19974	.0259
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/08/05 13:27:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.49188	.50475	.52705	.52425	.50970	49.240	.49181
SDev	.00443	.00016	.00120	.00520	.00085	.264	.00037
%RSD	.90069	.03096	.22796	.99258	.16730	.53547	.07530
#1	.49501	.50486	.52790	.52057	.51031	49.427	.49207
#2	.48874	.50464	.52620	.52793	.50910	49.054	.49155
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.52302	51.698	.51068	.49494	.48912	.49915	20.692
SDev	.00129	.097	.00173	.00103	.00275	.00171	.012
%RSD	.24634	.18709	.33856	.20867	.56126	.34299	.05608
#1	.52211	51.629	.50946	.49421	.48718	.50036	20.683
#2	.52393	51.766	.51190	.49567	.49106	.49794	20.700
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500

Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.497	50.137	.49344	20.735	.49270	.49513	.49860
SDev	.094	.027	.00024	.131	.00246	.00110	.00108
%RSD	.48235	.05418	.04896	.63309	.49995	.22305	.21639
#1	19.564	50.156	.49327	20.828	.49096	.49591	.49784
#2	19.431	50.118	.49361	20.642	.49444	.49435	.49937
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50695	.49942	.50046	.52518	.51920	.73944	.48294
SDev	.00118	.00361	.00158	.00307	.00327	.08971	.00141
%RSD	.23182	.72251	.31561	.58469	.62956	12.132	.29279
#1	.50612	.50197	.50158	.52301	.51689	.80288	.48394
#2	.50778	.49686	.49934	.52735	.52151	.67601	.48194
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000
Elem	B	Si	Sn	Mo	Sr	U	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avge	1.0176	.27119	.48480	.49932	.49670	10.29	
SDev	.0011	.00266	.00298	.00401	.00005	.03	
%RSD	.11076	.97980	.61376	.80321	.00927	.2875	
#1	1.0168	.27306	.48269	.49649	.49673	10.27	
#2	1.0184	.26931	.48690	.50216	.49667	10.31	
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	
Value	1.0000	.25000	.50000	.50000	.50000	10.00	
Range	10.000	10.000	10.000	10.000	10.000	10.00	

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/08/05 13:31:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00245	-.00149	.00110	-.00415	.00079	.02784	.00021
SDev	.00286	.00059	.00455	.00023	.00007	.00076	.00002
%RSD	116.91	39.762	411.95	5.6247	8.7788	2.7247	11.158
#1	.00447	-.00191	.00432	-.00431	.00084	.02838	.00023
#2	.00042	-.00107	-.00211	-.00398	.00074	.02731	.00020
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00011	.03796	-.00026	.00011	.00014	-.00195	.03623
SDev	.00000	.00098	.00008	.00027	.00010	.00007	.00747
%RSD	.00000	2.5873	31.371	255.25	76.078	3.6243	20.625
#1	-.00011	.03865	-.00021	.00030	.00021	-.00190	.04151
#2	-.00011	.03726	-.00032	-.00009	.00006	-.00200	.03094
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.08905	-.00293	.00033	.06937	-.00064	.00121	.00035
SDev	.02363	.00142	.00006	.00060	.00025	.00071	.00000
%RSD	26.539	48.609	17.454	.85721	39.261	58.750	.62252
#1	.10577	-.00192	.00037	.06979	-.00081	.00172	.00035
#2	.07234	-.00393	.00029	.06895	-.00046	.00071	.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00029	-.00090	-.00018	-.00240	.00399	-.00035	.00120
SDev	.00055	.00117	.00056	.00136	.00211	.00164	.00035
%RSD	192.39	128.98	306.71	56.623	52.726	463.17	29.370
#1	.00010	-.00173	.00021	-.00144	.00250	.00081	.00145
#2	-.00068	-.00008	-.00057	-.00336	.00548	-.00152	.00095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00272	.00542	.00113	.00032	-.00009	.0159
SDev	.00011	.00110	.00259	.00057	.00003	.0006
%RSD	4.1220	20.303	229.05	178.33	35.668	4.086
#1	.00264	.00620	.00296	.00072	-.00007	.0164
#2	.00280	.00464	-.00070	-.00008	-.00012	.0155
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: 0507003-7 Operator: SW
Run Time: 07/08/05 13:33:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04090	.06021	-.00979	.00721	.00067	120.63	1.4643
SDev	.00300	.00160	.00633	.00351	.00004	.38	.0047
%RSD	7.3292	2.6648	64.676	48.630	6.3058	.31882	.32431
#1	.04302	.05907	-.01427	.00473	.00064	120.35	1.4609
#2	.03878	.06134	-.00531	.00969	.00070	120.90	1.4677
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00375	29.483	-.00806	.08239	.18303	.20877	H226.86
SDev	.00002	.054	.00036	.00051	.00039	.00039	.50
%RSD	.41674	.18185	4.4261	.62017	.21447	.18710	.22080
#1	.00373	29.445	-.00781	.08203	.18275	.20850	H226.51
#2	.00376	29.521	-.00831	.08276	.18330	.20905	H227.22
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	14.173	37.961	2.3101	4.6845	.16428	.01124	.44826
SDev	.044	.086	.0053	.0171	.00049	.00082	.00114
%RSD	.31335	.22536	.22880	.36592	.29538	7.2673	.25474
#1	14.141	37.900	2.3064	4.6724	.16463	.01066	.44745
#2	14.204	38.021	2.3138	4.6966	.16394	.01181	.44907
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.36218	.03581	.05378	.00155	.00282	.09113	7.1251
SDev	.00033	.00125	.00007	.00445	.00299	.00472	.0199
%RSD	.08994	3.4793	.13375	287.13	106.11	5.1783	.27910
#1	.36195	.03493	.05373	-.00160	.00493	.08780	7.1110
#2	.36241	.03669	.05383	.00469	.00070	.09447	7.1391
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00799	4.7452	.03613	-.00005	.40084	.0232
SDev	.00044	.0093	.00010	.00137	.00130	.0036
%RSD	5.5473	.19535	.27485	2789.0	.32516	15.34
#1	.00768	4.7387	.03620	.00092	.39992	.0206
#2	.00830	4.7518	.03606	-.00102	.40176	.0257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507003-8 Operator: SW
Run Time: 07/08/05 13:35:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.04683	.06154	-.00731	-.00133	.00046	102.50	1.4156
SDev	.00355	.00161	.00731	.00315	.00063	.30	.0020
%RSD	7.5871	2.6234	100.10	236.63	137.18	.29100	.14024
#1	.04934	.06040	-.00214	-.00356	.00001	102.71	1.4170
#2	.04432	.06268	-.01248	.00090	.00090	102.29	1.4142
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00464	22.991	-.00622	.07457	.18599	.13572	181.20
SDev	.00002	.092	.00004	.00053	.00080	.00076	.55
%RSD	.33572	.39998	.66344	.71667	.42894	.55609	.30256
#1	.00463	22.926	-.00619	.07419	.18543	.13626	180.82
#2	.00465	23.056	-.00625	.07495	.18656	.13519	181.59
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.6829	26.041	2.5199	2.6963	.12254	.00862	.42370
SDev	.0034	.049	.0068	.0139	.00094	.00758	.00132
%RSD	.07278	.18908	.27009	.51560	.76802	87.953	.31231
#1	4.6853	26.006	2.5151	2.7062	.12188	.00326	.42277
#2	4.6805	26.075	2.5247	2.6865	.12321	.01398	.42464
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.25990	.02424	.05664	-.00332	.00195	.07003	4.5070
SDev	.00196	.00313	.00011	.00034	.00113	.00801	.0057
%RSD	.75394	12.909	.18786	10.114	58.000	11.432	.12727
#1	.25851	.02203	.05672	-.00308	.00275	.07569	4.5029
#2	.26128	.02645	.05657	-.00356	.00115	.06437	4.5110
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00793	4.6526	.03312	.00111	.32976	.0079
SDev	.00086	.0023	.00132	.00112	.00030	.0218
%RSD	10.882	.04995	3.9830	100.67	.09163	274.4
#1	.00732	4.6542	.03219	.00191	.32998	-.0075
#2	.00854	4.6509	.03405	.00032	.32955	.0233
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 050623~~2~~1-5 2X Operator: SW
Run Time: 07/08/05 13:42:46 SW 7/8/05
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.48286	.49022	-.00082	.00002	.00192	36.672	.78556
SDev	.00450	.00098	.00612	.00065	.00038	.121	.00293
%RSD	.93216	.20013	744.93	2612.9	19.600	.32890	.37262
#1	.47968	.48953	-.00515	.00049	.00219	36.587	.78349
#2	.48604	.49091	.00350	-.00044	.00166	36.758	.78763
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00290	52.822	.00441	.03674	.09973	.73345	111.11
SDev	.00001	.101	.00037	.00063	.00007	.00311	.33
%RSD	.27181	.19169	8.3058	1.7059	.06736	.42412	.30069
#1	.00289	52.751	.00467	.03718	.09968	.73125	110.88
#2	.00290	52.894	.00415	.03630	.09978	.73565	111.35
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.646	22.493	2.0115	1.8283	.07067	.00862	.15821
SDev	.047	.049	.0055	.0092	.00028	.00028	.00026
%RSD	.40550	.21691	.27318	.50483	.40038	3.2374	.16683
#1	11.613	22.459	2.0076	1.8218	.07087	.00882	.15802
#2	11.679	22.528	2.0153	1.8348	.07047	.00843	.15839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.67511	.04244	.48777	-.00026	.00006	.07027	1.9589
SDev	.00085	.00114	.00215	.00160	.00205	.00384	.0075
%RSD	.12555	2.6962	.44144	623.67	3464.4	5.4672	.38105
#1	.67451	.04163	.48625	-.00139	-.00139	.06755	1.9536
#2	.67571	.04325	.48929	.00088	.00151	.07299	1.9642
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02689	4.9467	.03528	.00300	.21957	.0095
SDev	.00030	.0482	.00217	.00069	.00092	.0127
%RSD	1.1051	.97374	6.1440	23.109	.41960	134.2
#1	.02710	4.9126	.03682	.00251	.21892	.0184
#2	.02668	4.9807	.03375	.00349	.22022	.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 050623~~2~~1-6 2X Operator: SW
Run Time: 07/08/05 13:44:49
Comment: SW 7/8/05
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.1159	1.1443	.00402	.00212	.00371	35.053	.78588
SDev	.0009	.0049	.00074	.00052	.00020	.228	.00470
%RSD	.07866	.42480	18.434	24.317	5.3793	.64953	.59836
#1	1.1165	1.1409	.00350	.00248	.00385	34.892	.78255
#2	1.1152	1.1478	.00455	.00175	.00357	35.214	.78920
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00292	52.568	.01592	.03308	.08423	.34700	97.500
SDev	.00000	.019	.00008	.00072	.00033	.00125	.089
%RSD	.00068	.03696	.48801	2.1847	.39604	.36045	.09125
#1	.00292	52.555	.01586	.03359	.08447	.34611	97.438
#2	.00292	52.582	.01597	.03257	.08400	.34788	97.563
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.840	18.456	1.8623	2.5690	.06036	.01920	.14163
SDev	.056	.032	.0029	.0173	.00022	.00562	.00009
%RSD	.47350	.17440	.15520	.67442	.36198	29.273	.06250
#1	11.800	18.433	1.8602	2.5567	.06020	.02317	.14157
#2	11.879	18.479	1.8643	2.5812	.06051	.01522	.14169
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.1370	.07245	1.1348	.00275	.00217	.06528	1.8302
SDev	.0015	.00104	.0029	.00010	.00137	.00451	.0040
%RSD	.13132	1.4343	.25995	3.5129	63.070	6.9008	.21685
#1	1.1381	.07171	1.1328	.00282	.00313	.06209	1.8274
#2	1.1360	.07318	1.1369	.00268	.00120	.06846	1.8331
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03930	4.8074	.04965	.00339	.29975	.0114
SDev	.00030	.0018	.00089	.00042	.00158	.0047
%RSD	.77314	.03709	1.7952	12.267	.52589	40.88
#1	.03909	4.8061	.04902	.00310	.29863	.0147
#2	.03952	4.8086	.05028	.00369	.30086	.0081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-8 2X Operator: SW
Run Time: 07/08/05 13:47:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	1.1211	1.1575	-.00005	-.00562	.00564	29.468	1.0422
SDev	.0011	.0096	.00244	.00282	.00022	.054	.0050
%RSD	.10208	.83182	4759.8	50.267	3.9346	.18273	.47712
#1	1.1203	1.1507	.00168	-.00362	.00579	29.430	1.0387
#2	1.1219	1.1643	-.00178	-.00761	.00548	29.506	1.0458
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00346	35.411	.01175	.02873	.06660	.28813	95.512
SDev	.00001	.094	.00018	.00001	.00016	.00079	.326
%RSD	.22567	.26484	1.4964	.02733	.23394	.27436	.34119
#1	.00346	35.345	.01187	.02874	.06649	.28757	95.282
#2	.00347	35.477	.01162	.02873	.06671	.28869	95.742
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.6754	14.271	1.5367	1.4895	.05300	.01544	.13434
SDev	.0214	.029	.0048	.0031	.00011	.00125	.00053
%RSD	.22155	.20047	.31075	.21065	.20701	8.0727	.39135
#1	9.6603	14.251	1.5333	1.4873	.05308	.01633	.13397
#2	9.6906	14.292	1.5401	1.4918	.05293	.01456	.13472
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.0912	.11316	1.1453	-.00376	.00170	.04827	1.5700
SDev	.0027	.00081	.0068	.00270	.00078	.00460	.0050
%RSD	.24828	.71901	.59396	71.671	45.823	9.5254	.32056
#1	1.0893	.11259	1.1405	-.00186	.00115	.04502	1.5664
#2	1.0932	.11374	1.1502	-.00567	.00225	.05153	1.5735
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03976	4.2501	.04035	.00418	.26466	.0173
SDev	.00078	.0037	.00108	.00042	.00121	.0066
%RSD	1.9594	.08593	2.6730	10.033	.45566	38.42
#1	.03921	4.2475	.03959	.00448	.26381	.0220
#2	.04031	4.2527	.04112	.00389	.26551	.0126
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507003-7 2X Operator: SW
Run Time: 07/08/05 13:50:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02161	.03246	-.01024	.00252	.00034	60.573	.75006
SDev	.00169	.00034	.00028	.00132	.00011	.190	.00264
%RSD	7.8280	1.0506	2.7169	52.561	32.481	.31401	.35167
#1	.02280	.03222	-.01004	.00345	.00042	60.439	.74819
#2	.02041	.03270	-.01043	.00158	.00026	60.708	.75192
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00178	14.771	-.00342	.04198	.09341	.10432	106.82
SDev	.00000	.001	.00003	.00022	.00051	.00016	.14
%RSD	.00110	.00467	.99695	.52964	.54983	.15268	.13546
#1	.00178	14.772	-.00345	.04213	.09305	.10443	106.72
#2	.00178	14.771	-.00340	.04182	.09377	.10420	106.92
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	7.2442	19.319	1.1825	2.2650	.08389	.00182	.22949
SDev	.0194	.030	.0014	.0112	.00019	.00314	.00009
%RSD	.26828	.15382	.12096	.49440	.22455	172.93	.03765
#1	7.2305	19.298	1.1815	2.2571	.08402	-.00040	.22943
#2	7.2580	19.340	1.1835	2.2729	.08375	.00404	.22955
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.17761	.01841	.02884	-.00173	.00519	.04409	3.6335
SDev	.00070	.00035	.00034	.00098	.00075	.00066	.0099
%RSD	.39396	1.9095	1.1640	56.380	14.405	1.4992	.27242
#1	.17811	.01866	.02908	-.00104	.00572	.04362	3.6265
#2	.17712	.01816	.02861	-.00242	.00466	.04456	3.6405
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00434	3.3658	.01826	-.00008	.20584	.0112
SDev	.00016	.0018	.00259	.00027	.00065	.0033
%RSD	3.6676	.05268	14.185	344.16	.31449	29.37
#1	.00423	3.3670	.02009	.00011	.20539	.0135
#2	.00445	3.3645	.01643	-.00027	.20630	.0089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506231-1A Operator: SW
Run Time: 07/08/05 13:52:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	2.3163	2.3853	1.0460	1.0498	.00514	51.924	1.0993
SDev	.0002	.0204	.0004	.0074	.00013	.039	.0010
%RSD	.00732	.85615	.04274	.70511	2.5203	.07429	.08989
#1	2.3162	2.3708	1.0457	1.0446	.00504	51.897	1.0986
#2	2.3164	2.3997	1.0463	1.0550	.00523	51.952	1.1000
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.0258	193.97	1.0003	1.0029	1.0399	1.4712	175.26
SDev	.0026	.58	.0032	.0017	.0032	.0024	.55
%RSD	.25653	.29754	.31603	.16947	.31236	.16263	.31503
#1	1.0239	193.56	.99807	1.0017	1.0376	1.4695	174.87
#2	1.0277	194.38	1.0025	1.0041	1.0422	1.4729	175.65
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.784	32.425	4.1817	1.6617	1.0336	.97434	1.1851
SDev	.019	.081	.0101	.0006	.0031	.00603	.0022
%RSD	.09595	.24966	.24067	.03665	.29623	.61891	.18768
#1	19.770	32.368	4.1746	1.6613	1.0314	.97008	1.1835
#2	19.797	32.482	4.1889	1.6622	1.0358	.97860	1.1867
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	2.9754	1.0832	2.3623	1.0485	1.0055	.09225	3.9270
SDev	.0104	.0008	.0137	.0051	.0040	.00063	.0084
%RSD	.34894	.07128	.57899	.48507	.39498	.68152	.21342
#1	2.9680	1.0827	2.3526	1.0449	1.0027	.09180	3.9211
#2	2.9827	1.0837	2.3720	1.0521	1.0083	.09269	3.9329
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07059	8.6571	.08281	.96560	.51371	.0196
SDev	.00092	.0181	.00023	.00480	.00060	.0113
%RSD	1.3062	.20892	.28367	.49688	.11658	57.75
#1	.06993	8.6443	.08264	.96221	.51329	.0116
#2	.07124	8.6699	.08298	.96899	.51414	.0276
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CRI Operator: SW
Run Time: 07/08/05 13:55:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00746	.00800	.02051	.00771	.02118	.40313	.42447
SDev	.00223	.00252	.00244	.00204	.00004	.00277	.00147
%RSD	29.901	31.470	11.917	26.445	.19313	.68597	.34583
#1	.00588	.00978	.02224	.00627	.02121	.40509	.42551
#2	.00904	.00622	.01878	.00916	.02115	.40118	.42343
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01105	9.6358	.01126	.10894	.02165	.05291	.22142
SDev	.00005	.0504	.00000	.00031	.00003	.00027	.01555
%RSD	.43055	.52345	.02098	.28200	.15853	.51256	7.0222
#1	.01101	9.6001	.01127	.10872	.02162	.05272	.21042
#2	.01108	9.6714	.01126	.10915	.02167	.05310	.23241
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	8.7318	9.5983	.03355	8.9928	.08797	.13690	.10941
SDev	.0280	.0208	.00016	.0546	.00105	.00116	.00018
%RSD	.32028	.21622	.48738	.60674	1.1941	.84675	.16260
#1	8.7515	9.5837	.03344	9.0314	.08723	.13772	.10928
#2	8.7120	9.6130	.03367	8.9542	.08872	.13608	.10953
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04747	.00945	.00782	.01198	.02440	.03133	.02214
SDev	.00031	.00221	.00094	.00055	.00001	.00135	.00023
%RSD	.64750	23.385	11.972	4.5652	.03826	4.3200	1.0491
#1	.04726	.00789	.00848	.01159	.02439	.03229	.02197
#2	.04769	.01101	.00716	.01236	.02440	.03037	.02230
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20818	.10797	.10165	.02352	.02117	.2196
SDev	.00018	.00012	.00042	.00041	.00002	.0008
%RSD	.08479	.10967	.41639	1.7451	.09986	.3426
#1	.20831	.10805	.10195	.02323	.02119	.2191
#2	.20806	.10788	.10135	.02381	.02116	.2201
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: ICSA Operator: SW
Run Time: 07/08/05 13:57:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.04358	.01762	.00104	-.00273	.00086	465.62	.00180
SDev	.00492	.00064	.01125	.00361	.00017	.65	.00011
%RSD	11.297	3.6369	1083.9	132.48	20.035	.13941	5.9380
#1	-.04010	.01717	.00900	-.00528	.00074	465.16	.00187
#2	-.04707	.01807	-.00692	-.00017	.00098	466.07	.00172
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00097	514.51	-.00133	.00353	.00002	-.00382	203.94
SDev	.00000	1.49	.00001	.00027	.00037	.00010	.36
%RSD	.00406	.28964	.37908	7.7122	1705.1	2.6777	.17461
#1	.00097	513.46	-.00132	.00334	-.00024	-.00389	203.69
#2	.00097	515.57	-.00133	.00373	.00028	-.00374	204.19
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.04855	505.08	.00840	.12822	.00276	.00769	.00421
SDev	.00629	1.00	.00008	.00486	.00060	.01225	.00018
%RSD	12.952	.19878	.91642	3.7923	21.608	159.28	4.1846
#1	.05299	504.37	.00834	.13166	.00234	-.00097	.00408
#2	.04410	505.79	.00845	.12478	.00318	.01635	.00433
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.03484	.00274	-.00276	-.00147	.00112	-.00048	.00312
SDev	.00012	.00247	.00121	.00134	.00123	.00090	.00020
%RSD	.35219	90.079	43.921	90.862	109.71	190.04	6.2832
#1	.03476	.00099	-.00190	-.00053	.00199	-.00112	.00299
#2	.03493	.00448	-.00362	-.00242	.00025	.00016	.00326
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000	.00000		.00000
Range	.04000	.02000	.00600	.01000	.02000		.04000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00265	.00516	.00462	-.00149	.00772	.0277
SDev	.00048	.00049	.00010	.00040	.00002	.0053
%RSD	18.125	9.5824	2.0565	26.661	.27363	19.21
#1	.00299	.00551	.00455	-.00121	.00771	.0240
#2	.00231	.00481	.00469	-.00177	.00774	.0315
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.00000	.00000	.00000	.00000	.00000	
Range	.20000	.10000	.10000	.02000	.02000	

Method: 30EL Sample Name: ICSAB Operator: SW
Run Time: 07/08/05 14:00:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00716	.06544	.04845	.05105	.20439	456.66	.45802
SDev	.00711	.00588	.00729	.00406	.00045	.65	.00033
%RSD	99.361	8.9786	15.049	7.9490	.22008	.14308	.07299
#1	.01219	.06128	.05361	.04819	.20407	456.20	.45826
#2	.00213	.06959	.04330	.05392	.20471	457.13	.45778
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.47711	508.12	.91583	.45071	.43851	.49789	201.01
SDev	.00096	.91	.00110	.00117	.00015	.00036	.24
%RSD	.20111	.17911	.11996	.25854	.03296	.07339	.11944
#1	.47779	508.77	.91661	.44989	.43840	.49763	201.18
#2	.47644	507.48	.91506	.45153	.43861	.49815	200.84
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03578	498.65	.45518	.09997	.87706	.57177	.46556
SDev	.00063	.12	.00016	.00012	.00212	.00260	.00079
%RSD	1.7480	.02472	.03608	.12276	.24130	.45403	.16873
#1	.03622	498.73	.45530	.09988	.87855	.57360	.46611
#2	.03534	498.56	.45507	.10006	.87556	.56993	.46500
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.91345	.09539	.04603	.05019	.09392	1.4592	.90533
SDev	.00161	.00224	.00155	.00028	.00216	.0249	.00079
%RSD	.17568	2.3468	3.3671	.55531	2.3012	1.7081	.08718
#1	.91458	.09381	.04493	.04999	.09544	1.4768	.90589
#2	.91231	.09697	.04713	.05039	.09239	1.4415	.90477
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000		1.0000
Range	20.000	20.000	20.000	20.000	20.000		20.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97896	.90360	.92008	.94608	.91849	10.12
SDev	.00136	.00055	.00241	.00160	.00042	.01
%RSD	.13925	.06083	.26159	.16924	.04578	.0899
#1	.97992	.90399	.92178	.94494	.91879	10.11
#2	.97799	.90321	.91838	.94721	.91819	10.12
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	10.00
Range	20.000	20.000	20.000	20.000	20.000	20.00

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/08/05 14:19:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.47805	.49048	.51830	.52164	.49486	46.667	.48803
SDev	.00224	.00398	.00118	.00190	.00150	.334	.00263
%RSD	.46951	.81064	.22678	.36462	.30379	.71617	.53847
#1	.47646	.48766	.51913	.52299	.49379	46.431	.48617
#2	.47963	.49329	.51746	.52030	.49592	46.904	.48989
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50347	48.894	.48987	.47502	.46856	.48831	19.930
SDev	.00213	.196	.00213	.00198	.00183	.00299	.062
%RSD	.42265	.40172	.43461	.41795	.38999	.61161	.31153
#1	.50196	48.755	.48837	.47362	.46727	.48620	19.886
#2	.50497	49.033	.49138	.47643	.46985	.49043	19.974
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.135	47.907	.47466	19.741	.47325	.48551	.48346
SDev	.094	.223	.00185	.154	.00159	.00053	.00197
%RSD	.49227	.46477	.38878	.77855	.33519	.11008	.40722
#1	19.069	47.750	.47336	19.633	.47212	.48588	.48207
#2	19.202	48.064	.47597	19.850	.47437	.48513	.48485
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.48023	.48565	.48634	.52053	.50642	.74306	.47406
SDev	.00037	.00022	.00340	.00166	.00643	.05069	.00170
%RSD	.07786	.04617	.69898	.31892	1.2697	6.8218	.35890
#1	.48049	.48549	.48393	.52170	.50187	.70722	.47286
#2	.47997	.48581	.48874	.51935	.51097	.77891	.47526
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98356	.25105	.47366	.48592	.49547	10.24
SDev	.00707	.00166	.00003	.00429	.00258	.06
%RSD	.71856	.65955	.00746	.88271	.52162	.5996
#1	.97856	.25222	.47368	.48288	.49364	10.20
#2	.98856	.24988	.47363	.48895	.49730	10.29
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Analysis Report Blank Sample 07/08/05 02:25:20 PM page 1

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/08/05 14:23:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00037	.00024	-.00017	-.00374	.00078	.02017	.00006
SDev	.00010	.00106	.00314	.00121	.00009	.00349	.00007
%RSD	28.144	435.02	1838.1	32.489	11.152	17.322	115.45
#1	.00044	.00100	-.00239	-.00288	.00085	.02264	.00011
#2	.00030	-.00051	.00205	-.00459	.00072	.01770	.00001
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00018	.03600	-.00013	.00023	-.00003	-.00209	.02128
SDev	.00002	.00107	.00005	.00003	.00004	.00001	.00335
%RSD	8.7617	2.9694	38.607	14.905	151.62	.37037	15.765
#1	-.00019	.03676	-.00009	.00026	-.00006	-.00208	.01891
#2	-.00017	.03524	-.00016	.00021	.00000	-.00209	.02366
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.03706	-.00226	-.00002	.06708	-.00048	.00136	.00035
SDev	.01094	.00161	.00002	.00050	.00025	.00406	.00000
%RSD	29.529	71.467	83.581	.74582	51.982	299.36	.94152
#1	-.02932	-.00112	-.00001	.06743	-.00031	-.00151	.00035
#2	-.04479	-.00340	-.00004	.06672	-.00066	.00423	.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00033	-.00108	.00029	-.00255	.00359	-.00112	.00026
SDev	.00012	.00005	.00075	.00024	.00155	.00057	.00001
%RSD	37.417	4.7010	260.17	9.2881	43.211	50.895	1.7635
#1	-.00042	-.00112	.00081	-.00272	.00468	-.00071	.00026
#2	-.00024	-.00105	-.00024	-.00238	.00249	-.00152	.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00298	.00284	.00043	.00122	-.00013	.0176
SDev	.00053	.00069	.00094	.00015	.00000	.0120
%RSD	17.954	24.339	217.38	11.926	2.3723	68.41
#1	.00336	.00333	-.00023	.00132	-.00013	.0261
#2	.00260	.00235	.00109	.00112	-.00013	.0091
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

HEADER INFORMATION FOR ANALYTICAL SEQUENCE T50714A

SW

STANDARD SOLUTION CODES

MIX A High Standard (ST050601-4) exp 08/21/05

Element	ug/ml
Ca,Mg,Al	500
Fe	200
Na,K	100

The following dilutions of MIX A high standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX A (1/2)	1/2	5ml MIX A high standard diluted to 10ml final volume
MIX A (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX A (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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MIX B High Standard -- made fresh daily as described below

4.0ml Intermediate Mix (ST050523-14) exp 08/21/05
0.04ml 1000ug/ml Ag (ST040602-37) exp 08/21/05
brought to a final volume of 20ml. The resulting concentrations are:

Element	Concentration (ug/ml)
Ag,Sb	2
Ba,Be,Cd,Co,Cu	10
Cr,Mn,Ni,V,Zn	10
As,Pb,Se,Tl	10

The following dilutions of the MIX B high standard were made to provide additional calibration standards.

Standard	Dilution	Procedure
MIX B (1/10)	1/10	1ml of MIX B high standard to 10ml final volume
MIX B (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

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MIX C High Standard (ST040812-13) exp 08/21/05

Element	ug/ml
U,Si	50

Li,Mo,Ti	10
Sr,Sn,B	10

The following dilutions of MIX C High standard were made to provide additional calibration standards (prepared daily).

Standard	Dilution	Procedure
MIX C (1/10)	1/10	1ml MIX A high standard diluted to 10ml final volume
MIX C (1/100)	1/100	1ml of 1/10 dilution diluted to 10ml final volume

Reporting Limit Standard (RL STD) -- made fresh daily as described below

0.1ml Intermediate RL STD MIX 1 (ST050523-15) exp 8/21/05
0.1ml Intermediate RL STD MIX 2 (ST050601-6) exp 8/21/05
0.05ml Non-TAL Intermediate (ST040812-11) exp 8/21/05

brought to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Ca,Mg,Na,K	0.5
Al,Fe,B,U	0.1
Si,Sn	0.05
Li,Mo,Ti,Sr	0.01
Sb	0.008
Ni,Zn,As,Se,Tl	0.005
Pb	0.003
Ba,Cr,Co,Cu	0.002
Mn,Ag,V	0.002
Be,Cd	0.001

ICSA (preparation date: 07/05/05)
Made by diluting:
10ml (ST050505-12) exp 09/15/06
to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200

ICSAB (prepraration date: 06/30/05)
Made by diluting:
10ml (ST050505-12) exp 09/15/06
1.0ml (ST040525-42) exp 11/13/05
1.0ml Non-TAL ICSAB Int. (ST040812-15) exp 08/21/05
1.0ml of 1000ug/ml U (ST040301-3) exp 09/30/05

to 100ml final volume

Element	ug/ml
Ca,Mg,Al	500
Fe	200
U	10.0
Cd,Ni,Zn,Li,Sn	1.0
Mo,Si,Ti,Sr,B	1.0
Sb	0.6
Ba,Be,Co,Cr	0.5
Cu,Mn,V	0.5
Ag	0.2
As,Tl	0.1
Pb,Se	0.05

CCV (check standard) -- preparation date: 07/13/05
made by diluting:
0.5ml IV-7 (ST050601-3) exp 06/01/06
0.5ml IV-19 (ST050601-5) exp 06/01/06
5.0ml Major Element 2nd source (ST050601-7) exp 11/07/05
0.5ml Non-TAL CCV Int. (ST040812-14) exp 11/07/05
0.1ml of 10000ug/ml U (ST050209-2) exp 03/01/06

to 100ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	50.5
Fe,Na	20.5
K	20.0
U	10.0
B	1.0
Ba,Be,Cd,Co,Cr,Li	0.5
Cu,Mn,Ni,Sb,V,Zn	0.5
As,Pb,Se,Tl,Mo,Ti	0.5
Ag,Sr,Sn	0.5
Si	0.25

ICV (initial calibration check standard)
Prepared by diluting CCV (described above) 1/2. The 1/2 dilution was made by diluting 5ml of CCV to 10ml final volume. The resulting concentrations are:

Element	Concentration (ug/ml)
Al,Ca,Mg	25.25
Fe,Na	10.25
K	10.0
U	5.0
B	0.5
Ba,Be,Cd,Co,Cr,Li	0.25
Cu,Mn,Ni,Sb,V,Zn	0.25

As,Pb,Se,Tl,Mo,Ti	0.25
Ag,Sr,Sn	0.25
Si	0.125

CRI (preparation date: 07/06/05)

Made by diluting:

1.0ml intermediate solution 1 (ST040602-4) exp 11/07/05
1.0ml intermediate solution 2 (ST040602-5) exp 11/07/05
1.0ml intermediate solution 3 (ST040602-6) exp 11/07/05
0.5ml 2000ug/ml Ca,Mg,Na,K (ST040601-4) exp 11/07/05
0.1ml Non-TAL Int. (ST040812-11) exp 08/21/05

to 100ml final volume.

Element	ug/ml
Ca,Mg,Na,K	10.0
Si,Sn	0.1
Fe,U,B	0.2
Al,Ba	0.4
Tl,Cr,Ag,Li,Mo	0.02
Ti,Sr	0.02
Be,Cd,Se,As	0.01
Co,V	0.1
Cu	0.05
Pb	0.006
Mn	0.03
Ni	0.08
Zn	0.04
Sb	0.12

BLANK (used for CCB) 5%HNO3,2.5%HCL in double deionized water

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Acid Lot Numbers

HNO3 -- B01041
HCl -- A52026

Pipet ID Numbers

1.0 to 5.0ml M-55

0.1 to 1.0ml M-61

0.01 to 0.1ml M-57

Date of Multi-point calibration: 07/13/05

Interelement Interference Information

The following table summarizes spectral interferences which have been identified and for which IEC's are used. If a sample contains a concentration of an interfering element which exceeds the upper analytical range and an affected element is being determined, it is necessary to dilute the sample to bring the interfering element into the analytical range.

Interfering Element (and upper analytical range in ug/ml)	Affected Elements
Al (500)	Pb,Se
Fe (200)	Cd,Pb,Se,Tl
Ca (500)	Pb
Mg (500)	Pb
Ba (10)	Co
Co (10)	Al,Ni,Fe,Pb,Tl
Cr (10)	As,Sb
Mn (10)	Tl,Pb,Se
Ni (10)	Pb,Al
V (10)	Al,Be,Fe,Tl
U (50)	Al,Cr,Fe,Pb,Tl,Sn,Mo,Ag,Cu,V,Ti
Mo (10)	Sb,V,As,Pb,Sb,Co
Ti (10)	Co,Tl,Sn,Zn,Sb
Sn (10)	Se,Si

The following table lists element concentrations (ug/ml) for which no significant spectral interferences have been observed.

Element	Concentration	Element	Concentration
Pb	100	As	10
Ag	10	Tl	10
Cd	10	Se	10
Be	10	Na	500
Cu	100	K	500
Sb	10		
Zn	100		

Dilutions

5X dilutions made by diluting 1ml of sample to 5ml final volume.

2X dilutions made by diluting 5ml of sample to 10ml final volume.

3X dilutions made by diluting 2ml of sample to 6ml final volume.

10X dilutions made by diluting 1ml of sample to 10ml final volume.

25X dilutions made by diluting 0.2ml of sample to 5ml final volume.

50X dilutions made by diluting 0.1ml of sample to 5ml final volume.

200X dilutions made by diluting 0.05ml of sample to 10ml final volume.

100X dilutions made by diluting 0.1ml of sample to 10ml final volume.

500X dilutions made by diluting 0.02ml of sample to 10ml final volume.

ANALYTICAL SPIKES

No post digestion analytical spikes were made during this sequence

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COMMENTS

1. Please see run log and workorders for elements of interest.

ICP REVIEWER COMMENTS

_____
_____
_____
_____
_____

Daily Maintenance Items

1. Check/Change pump tubing
2. Check/Empty drain container
3. Check and record As profile

Daily Maintenance Performed SW

4. Record As,Se signal:background ratios

Monthly Maintenance Items

1. Check/Clean torch for deposits
2. Check/Clean nebulizer and spray chamber
3. Fill water recirculating reservoir
4. Clean air filters
5. Check/Fill vacuum pump oil

Monthly Maintenance Performed on 06/09/05 (SW)

Multi-point calibrations performed at beginning of sequence
Blank; RL STD; Mix A: High, 1/2, 1/10, 1/100; Mix B: High, 1/10, 1/100; Mix C: High, 1/10, 1/100

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	MIXCHIGH	T	30EL	07/14/05	09:46	SW	Q	CONC
2	MIXBHIGH	T	30EL	07/14/05	09:47	SW	Q	CONC
3	MIXAHIGH	T	30EL	07/14/05	09:49	SW	Q	CONC
4	ICV	T	30EL	07/14/05	10:01	SW	Q	CONC
5	ICB	T	30EL	07/14/05	10:04	SW	B	CONC
6	CRI	T	30EL	07/14/05	10:07	SW	S	CONC
7	ICSA	T	30EL	07/14/05	10:10	SW	Q	CONC
8	ICSAB	T	30EL	07/14/05	10:12	SW	Q	CONC
9	CCV	T	30EL	07/14/05	10:15	SW	Q	CONC
10	CCB	T	30EL	07/14/05	10:19	SW	B	CONC
11	IP050713-2MB Be	T	30EL	07/14/05	10:22	SW	S	CONC
12	IP050713-2LCS	T	30EL	07/14/05	10:24	SW	S	CONC
13	IP050713-2LCSD	T	30EL	07/14/05	10:27	SW	S	CONC
14	0507073-1	T	30EL	07/14/05	10:30	SW	S	CONC
15	0507073-2	T	30EL	07/14/05	10:33	SW	S	CONC
16	0507073-3	T	30EL	07/14/05	10:35	SW	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
17	0507073-4 Be	T	30EL	07/14/05	10:38	SW	S	CONC
18	0507073-5	T	30EL	07/14/05	10:41	SW	S	CONC
19	0507073-6	T	30EL	07/14/05	10:44	SW	S	CONC
20	EX050712-8MB	T	30EL	07/14/05	10:49	SW	S	CONC
21	CCV	T	30EL	07/14/05	10:52	SW	Q	CONC
22	CCB	T	30EL	07/14/05	10:56	SW	B	CONC
23	EX050712-8LCS	T	30EL	07/14/05	10:59	SW	S	CONC
24	~~0506217-12~~ SW 7/15/05	T	30EL	07/14/05	11:02	SW	S	CONC
25	0506217-12D RCRA	T	30EL	07/14/05	11:04	SW	S	CONC
26	0506217-12	T	30EL	07/14/05	11:08	SW	S	CONC
27	0506217-12L 5X	T	30EL	07/14/05	11:10	SW	S	CONC
28	0506217-12MS	T	30EL	07/14/05	11:12	SW	S	CONC
29	0506217-12MSD	T	30EL	07/14/05	11:14	SW	S	CONC
30	0506217-13	T	30EL	07/14/05	11:18	SW	S	CONC
31	0506217-14	T	30EL	07/14/05	11:20	SW	S	CONC
32	0506217-15	T	30EL	07/14/05	11:22	SW	S	CONC
33	CCV	T	30EL	07/14/05	11:24	SW	Q	CONC
34	CCB	T	30EL	07/14/05	11:29	SW	B	CONC
35	0506217-16	T	30EL	07/14/05	11:31	SW	S	CONC
36	0506217-18	T	30EL	07/14/05	11:33	SW	S	CONC
37	0506217-19	T	30EL	07/14/05	11:35	SW	S	CONC
38	0506217-20	T	30EL	07/14/05	11:37	SW	S	CONC
39	IP050711-4MB	T	30EL	07/14/05	11:43	SW	S	CONC
40	IP050711-4LCS	T	30EL	07/14/05	11:45	SW	S	CONC
41	IP050711-4LCSD	T	30EL	07/14/05	11:47	SW	S	CONC
42	~~0507014-1~~ SW 7/15/05	T	30EL	07/14/05	11:49	SW	S	CONC
43	0507014-3 RCRA Be	T	30EL	07/14/05	11:51	SW	S	CONC
44	0507014-3D	T	30EL	07/14/05	11:53	SW	S	CONC
45	CCV	T	30EL	07/14/05	11:55	SW	Q	CONC
46	CCB	T	30EL	07/14/05	11:59	SW	B	CONC
47	0507014-3L 5X	T	30EL	07/14/05	12:01	SW	S	CONC
48	0507014-3MS	T	30EL	07/14/05	12:03	SW	S	CONC
49	0507014-3MSD	T	30EL	07/14/05	12:05	SW	S	CONC
50	0507014-4	T	30EL	07/14/05	12:09	SW	S	CONC
51	0507014-5	T	30EL	07/14/05	12:12	SW	S	CONC
52	0507014-6	T	30EL	07/14/05	12:14	SW	S	CONC
53	0507014-7	T	30EL	07/14/05	12:16	SW	S	CONC
54	0507014-8	T	30EL	07/14/05	12:18	SW	S	CONC
55	0507014-9	T	30EL	07/14/05	12:20	SW	S	CONC
56	0507014-10	T	30EL	07/14/05	12:22	SW	S	CONC
57	CCV	T	30EL	07/14/05	12:26	SW	Q	CONC
58	CCB	T	30EL	07/14/05	12:30	SW	B	CONC
59	0507014-11	T	30EL	07/14/05	12:33	SW	S	CONC
60	0507014-12	T	30EL	07/14/05	12:35	SW	S	CONC
61	0507052-2	T	30EL	07/14/05	12:37	SW	S	CONC
62	0507052-3	T	30EL	07/14/05	12:39	SW	S	CONC
63	0507052-4	T	30EL	07/14/05	12:41	SW	S	CONC
64	0507052-5	T	30EL	07/14/05	12:43	SW	S	CONC
65	0507~~14-1~~ 014-1	T	30EL	07/14/05	12:46	SW	S	CONC
66	CRI SW 7/15/05	T	30EL	07/14/05	12:53	SW	S	CONC
67	ICSA	T	30EL	07/14/05	12:55	SW	Q	CONC
68	ICSAB	T	30EL	07/14/05	12:57	SW	Q	CONC
69	CCV	T	30EL	07/14/05	12:59	SW	Q	CONC
70	CCB	T	30EL	07/14/05	13:02	SW	B	CONC

#	Element	MIXCHIGH	MIXBHIGH	MIXAHIGH	ICV	ICB	CRI
1	Al	.27866	-.00466	498.58	23.997	.03631	.41468
2	Sb	-.03327	1.9747	.02582	.24840	.00192	.12908
3	As	-.00407	9.9370	.01376	.24785	.00041	.01063
4	Ba	.00014	9.8283	.00662	.24092	.00000	.41842
5	Be	.00426	10.016	.00595	.25490	.00006	.01088
6	Cd	-.00189	9.8996	.00574	.24666	.00008	.01092
7	Ca	.12871	.02973	512.11	25.035	.01001	9.7088
8	Cr	.01456	9.9506	.00885	.24167	.00008	.02109
9	Co	.00418	9.9718	.00788	.24393	.00047	.10569
10	Cu	.00464	9.9028	.00928	.24250	.00012	.05343
11	Fe	-.16841	.28129	203.74	10.120	.01053	.19875
12	Pb	.00442	9.9360	.00601	.24970	-.00092	.00517
13	Mg	-.21898	-.01746	510.67	24.708	.01253	9.7262
14	Mn	.00714	9.9521	.01237	.24312	-.00013	.03260
15	Ni	.00683	9.9106	.00848	.24675	.00012	.08895
16	K_	.15372	.06179	99.617	9.7925	.14299	9.1616
17	Se	-.00555	9.9276	.01719	.24486	.00103	.01535
18	Ag	.00966	1.9819	.00931	.24566	.00080	.02001
19	Na	.14626	.11341	100.26	9.7388	.09575	8.9853
20	Tl	.01709	9.9986	-.00529	.25546	.00332	.02560
21	V_	.00268	9.9496	.00816	.24372	.00022	.10622
22	Zn	-.01211	9.9776	.02756	.24592	-.00028	.04869
23	Ti	9.9332	.00611	.00380	.24704	-.00028	.02137
24	B	9.9724	.02671	.00425	.50027	.00138	.20482
25	Si	50.071	.03932	.01926	.12856	.00034	.10457
26	Sn	10.088	.00527	.00639	.24587	.00098	.10313
27	Mo	10.033	.04098	.00519	.24931	-.00024	.02279
28	Sr	9.8234	.00370	.00686	.24332	-.00054	.02058
29	U	48.93	-.0135	.0246	4.846	.0151	.1991

-0713 →

#	Element	ICSA	ICSAB	CCV	CCB	IPO'-2MB	IPO'2LCS
1	Al	507.26	505.79	49.430	.04234	.10559	.28711
2	Sb	.00979	.58743	.49984	.00103	-.00556	-.00442
3	As	.00050	.09520	.50097	.00038	.01084	.01597
4	Ba	.00158	.45737	.47841	.00000	.00697	.21829
5	Be	.00112	.46825	.50540	.00010	-.00002	.00530
6	Cd	-.00007	.88107	.48622	.00027	.00043	.00580
7	Ca	525.28	519.51	50.981	.03537	1.6802	1.6418
8	Cr	-.00034	.43040	.47587	-.00010	.00469	.00485
9	Co	.00305	.44047	.48210	.00018	.00025	.05311
10	Cu	-.00106	.50189	.48963	-.00011	.01333	.03738
11	Fe	208.97	207.19	20.644	.01972	.13056	.30794
12	Pb	-.00194	.04689	.49254	-.00214	.00536	.00562
13	Mg	524.31	519.22	50.029	.03712	.31585	.29747
14	Mn	.00783	.44629	.47924	-.00013	.00425	.02094
15	Ni	.00258	.86960	.48590	.00014	.00309	.04506
16	K_	.05339	.02566	20.085	.13871	.06085	.03930
17	Se	.00086	.05196	.49292	.00256	.00109	.00736
18	Ag	.00071	.20357	.49778	.00066	.00062	.00059
19	Na	.12671	.12886	20.211	.09781	1.3875	1.3068
20	Tl	-.01000	.08753	.50997	.00210	-.01634	-.00287

#	Element	ICSA	ICSAB	CCV	CCB	IPO'-2MB (-0713)	IPO'2LCS
21	V_	.00329	.45536	.48316	-.00015	.00022	.05422
22	Zn	.01404	.87971	.48713	-.00014	.23912	.10411
23	Ti	.00226	.93498	.49001	-.00028	.00233	.00281
24	B	.00231	.98165	1.0052	.00146	.00800	.01013
25	Si	.00311	.91124	.25941	-.00013	.11261	.10195
26	Sn	.00323	.93721	.48989	.00177	.01703	.01786
27	Mo	-.00151	.95001	.50248	.00057	.00079	.00036
28	Sr	.00722	.91327	.48333	-.00047	.00274	.00353
29	U	.0218	9.711	9.664	.0061	.0126	.0088

#	Element	IPO'LCSD (-0713)	050'73-1 (-073)	050'73-2	050'73-3	050'73-4	050'73-5
1	Al	.27053	18.293	22.005	29.362	7.5371	47.921
2	Sb	-.00656	-.00740	.00275	-.00185	-.00354	-.00019
3	As	.01608	.03285	.03459	.03915	.01802	.04654
4	Ba	.21784	.31660	.38077	.51317	.25619	.76565
5	Be	.00521	.00198	.00202	.00338	.00069	.00522
6	Cd	.00545	.00151	.00143	.00034	.00109	.00002
7	Ca	1.7929	31.286	35.394	28.392	24.048	50.227
8	Cr	.00482	.03970	.06112	.05937	.02222	.07868
9	Co	.05183	.01517	.02196	.02921	.00645	.04286
10	Cu	.04018	.15778	.27456	.13580	.06440	.15600
11	Fe	.23048	34.506	58.186	62.694	15.279	96.536
12	Pb	.00527	.11862	.12287	.07687	.03435	.10608
13	Mg	.29617	5.2803	12.056	9.0361	3.4414	15.517
14	Mn	.02083	.72946	1.2248	1.2682	.31239	1.7957
15	Ni	.04485	.05750	.08006	.06516	.02284	.09538
16	K_	.02029	4.7424	7.1005	6.8624	2.6322	11.423
17	Se	.00548	.00338	-.00073	.00537	.00406	.00217
18	Ag	.00027	.00309	.00067	.00077	.00063	.00100
19	Na	1.3888	3.2436	6.2818	4.0301	3.4790	5.5316
20	Tl	-.00303	-.01847	-.01812	-.01803	-.01776	L-.02147
21	V_	.05302	.08020	.10058	.13033	.03506	.20507
22	Zn	.09614	.50157	1.1546	.77995	.22948	.53724
23	Ti	.00192	.38606	.70739	.62540	.28706	.77955
24	B	.00920	.04223	.04654	.04716	.05650	.04581
25	Si	.09372	4.8500	4.5457	8.4062	2.3789	13.064
26	Sn	.01439	.02592	.02797	.02904	.02529	.03073
27	Mo	-.00044	.00367	.00643	.00561	.00419	.00908
28	Sr	.00335	.08764	.12980	.11679	.09494	.19220
29	U	.0028	-.0032	.0056	.0085	.0146	.0182

#	Element	050'73-6 (-073)	EXO'-8MB (-0712)	CCV	CCB	EXO'8LCS	~~050'7-12~~
1	Al	16.512	.03616	49.883	.04723	1.8864	.03400
2	Sb	-.00534	-.00122	.50029	.00026	.50234	-.00307
3	As	.02535	.00092	.50606	-.00182	2.0571	.00374
4	Ba	.37681	.01386	.47972	.00005	1.9177	.07810
5	Be	.00164	.00003	.51128	.00009	.05056	.00004
6	Cd	.00082	.00008	.49079	.00017	.05026	.00008
7	Ca	30.673	.09667	51.713	.03825	L.06185	32.981
8	Cr	.03810	.00054	.48205	-.00017	.19076	.00008

SW 7/15/05

#	Element	050'73-6	EX0'-8MB	CCV	CCB	EX0'8LCS	050'7-12
9	Co	.01552	.00003	.48971	.00032	.48986	.00030
10	Cu	.10989	.00011	.49346	-.00047	.24892	.00012
11	Fe	38.301	.02329	20.885	.01883	.88140	.01776
12	Pb	.06969	-.00133	.50114	-.00168	.50088	-.00037
13	Mg	7.6977	.01207	50.605	.04088	L.00756	1.1280
14	Mn	.73216	.00112	.48511	-.00008	.48255	.12446
15	Ni	.04068	.00104	.49120	.00014	.49833	.00035
16	K_	5.2928	.18879	20.194	.11808	L.14409	1.1922
17	Se	.00318	.00103	.50189	.00299	2.0633	.00776
18	Ag	.00039	.00031	.50268	.00050	.04854	.00028
19	Na	4.5068	H150.07	20.358	.10430	H146.00	H147.80
20	Tl	L-.02067	.00370	.51586	.00221	2.0866	.00502
21	V_	.07864	-.00016	.48891	.00009	.48822	-.00008
22	Zn	.32340	H.04625	.49492	-.00005	.53679	.02671
23	Ti	.53672	.00000	.49647	-.00031	.49406	.00031
24	B	.04846	.02617	1.0118	.00053	1.0359	.00812
25	Si	4.2211	H.06398	.26192	.00051	1.8567	.53018
26	Sn	.02851	.00247	.49437	.00008	.47799	.00229
27	Mo	.00714	-.00054	.50427	-.00004	.99961	.00181
28	Sr	.10768	-.00028	.48748	-.00045	.47139	.08516
29	U	.0042	-.0069	9.722	.0014	-.0124	.0019

#	Element	050'-12D	050'7-12	050'L 5X	050'12MS	050'2MSD	050'7-13
1	Al	.03609	.03537	.02066	1.8628	1.8466	.02721
2	Sb	.00137	-.00021	-.00144	.49842	.50137	.00271
3	As	.00120	.00345	.00069	2.0525	2.0530	.00462
4	Ba	.07774	.07761	.01613	1.9539	1.9436	.07998
5	Be	.00004	.00005	.00001	.05111	.05141	.00006
6	Cd	.00016	.00012	.00008	.04953	.05025	.00113
7	Ca	32.940	32.984	6.5585	33.088	32.968	65.231
8	Cr	.00101	.00035	-.00024	.18864	.19007	.00036
9	Co	.00032	.00035	-.00023	.48650	.48769	.00089
10	Cu	-.00030	.00018	-.00014	.24786	.24632	.00258
11	Fe	.02119	.02493	.01323	.86584	.87283	.01340
12	Pb	-.00029	-.00012	-.00113	.50328	.50364	-.00084
13	Mg	1.1264	1.1284	.24200	1.1279	1.1230	1.2212
14	Mn	.12479	.12439	.02617	.60135	.60229	.09644
15	Ni	.00148	.00149	.00071	.49073	.49325	.00238
16	K_	1.1839	1.1952	.35664	1.1883	1.1835	1.4152
17	Se	.00311	.00198	.00243	2.0713	2.0787	.00447
18	Ag	.00043	.00066	.00040	.04877	.04860	.00086
19	Na	H147.09	H145.53	26.017	H147.59	H143.97	H142.87
20	Tl	.00012	.00305	.00416	2.0613	2.0643	.00336
21	V_	-.00009	.00041	-.00028	.48600	.48723	.00218
22	Zn	.03340	.02716	.00844	.51463	.52322	.19343
23	Ti	-.00006	.00036	-.00016	.49206	.49232	.00023
24	B	.00719	.00758	.00185	1.0123	1.0177	.04478
25	Si	.52498	.52953	.10839	2.3590	2.3826	.22938
26	Sn	.00295	.00275	.00118	.47824	.48039	.00289
27	Mo	-.00012	.00006	-.00044	.99589	1.0024	.00214
28	Sr	.08491	.08468	.01732	.55085	.54843	.13663
29	U	.0096	.0151	-.0003	-.0051	.0146	.0277

-217

#	Element	050'7-14	050'7-15	CCV	CCB	050'7-16	050'7-18
1	Al	.03604	.03954	49.959	.04139	.05983	.02824
2	Sb	.00183	-.00102	.50902	.00147	-.00008	.00143
3	As	.00384	.00186	.51329	.00128	.00199	.00387
4	Ba	.07583	.11276	.48484	.00008	.09768	.13061
5	Be	.00002	.00000	.51514	.00012	.00001	.00002
6	Cd	.00028	.00010	.49983	.00031	.00029	.00015
7	Ca	37.937	18.822	52.534	.03626	19.410	47.773
8	Cr	.00015	.00000	.48333	.00011	.00101	.00015
9	Co	.00143	-.00037	.49087	.00012	.00149	.00056
10	Cu	-.00041	-.00111	.49153	-.00080	.00175	-.00084
11	Fe	.02554	.01906	20.983	.01921	.04133	.01916
12	Pb	.00118	-.00119	.50325	-.00116	.00384	-.00059
13	Mg	.82805	.56862	50.794	.03491	.93015	1.1930
14	Mn	.17128	.03191	.48793	-.00004	.23093	.41040
15	Ni	.00160	.00038	.49842	-.00002	.00242	.00081
16	K_	1.1533	.71534	19.929	.19380	1.7681	1.7826
17	Se	.00171	.00340	.51096	.00185	.00023	.00158
18	Ag	.00080	.00034	.50222	.00076	.00050	.00049
19	Na	H141.80	H141.71	20.092	.12595	H143.60	H144.09
20	Tl	.00220	.00076	.51729	.00471	.00477	.00051
21	V_	.00111	-.00003	.49181	-.00003	.00015	.00047
22	Zn	.09027	.02607	.50005	-.00001	.13493	.02983
23	Ti	.00007	-.00004	.49892	-.00016	.00017	-.00009
24	B	.04813	.02996	1.0146	.00108	.07744	.03001
25	Si	.23514	.57949	.25917	-.00066	.56601	.49946
26	Sn	.00268	.00177	.49363	.00039	.00184	.00288
27	Mo	.00285	-.00103	.50594	-.00073	.00047	-.00073
28	Sr	.09276	.08149	.49271	-.00040	.06622	.11840
29	U	.0194	.0006	9.986	.0067	.0024	.0105

-217 -0711

#	Element	050'7-19	050'7-20	IPO'-4MB	IPO'4LCS	IPO'LCSD	~~050'14-1~~
1	Al	.13437	.13338	.02300	1.8671	1.8675	76.257
2	Sb	.00106	.00093	-.00028	.51250	.51167	.00715
3	As	.00352	.00282	-.00034	2.0371	2.0503	.03674
4	Ba	.08076	.04150	-.00002	2.0375	2.0403	1.4414
5	Be	.00000	-.00001	-.00009	.05229	.05255	.00627
6	Cd	.00007	.00031	-.00002	.05224	.05233	-.00226
7	Ca	15.270	7.0952	.02601	L.07095	L.02702	27.765
8	Cr	.00002	.00051	.00025	.20092	.20135	.05338
9	Co	.00156	.00046	-.00053	.50713	.50814	.03660
10	Cu	-.00083	.00256	-.00137	.25726	.25762	.05327 W
11	Fe	.05667	.05872	.03683	.93938	.92626	126.33
12	Pb	-.00064	.00011	-.00075	.51468	.52021	.14107
13	Mg	.47706	.70623	.00994	L.00882	L.01047	19.629
14	Mn	.05013	.04581	.00011	.51038	.51151	4.9021
15	Ni	.00300	.00137	-.00004	.52292	.52397	.05237
16	K_	.87417	1.6027	.09496	L.10419	L.10420	44.440
17	Se	.00016	.00043	.00223	2.0092	2.0305	.00658
18	Ag	.00028	.00089	.00042	.04914	.04904	.00077
19	Na	H141.30	H139.54	.12329	L.12415	L.12055	1.0555
20	Tl	.00036	.00250	.00110	2.0337	2.0485	~~.00298~~

7/15/05

#	Element	050'7-19 (-217)	050'7-20	IPO'-4MB (-074)	IPO'4LCS	IPO'LCSD	050'14-1 (-0)
21	V_	.00078	.00085	-.00022	.51126	.51159	.18782
22	Zn	.05674	.04620	.00152	.50858	.50853	.35905
23	Ti	-.00012	.00195	-.00024	.52141	.52259	4.4720
24	B	.05236	.03239	.00131	1.0110	1.0195	.03198
25	Si	.22723	.62151	.00720	L1.4890	L1.5058	14.572
26	Sn	.00146	.00240	.00607	.48042	.48184	.04331
27	Mo	.00026	-.00043	-.00044	1.0154	1.0195	.00725
28	Sr	.06557	.08337	-.00056	.50016	.50115	.73433
29	U	.0022	.0196	-.0036	-.0032	-.0034	.0155

W 7/15/05

#	Element	050'14-3 (-014)	050'4-3D	CCV	CCB	050'L 5X	050'-3MS
1	Al	92.718	92.427	50.804	.05878	18.011	135.85
2	Sb	.00381	.00794	.51889	.00445	.00162	.22186
3	As	.03698	.03777	.51528	.00141	.00689	2.0635
4	Ba	1.3069	1.2499	.49385	.00040	.27316	3.2517
5	Be	.00801	.00787	.51854	.00014	.00161	.06180
6	Cd	-.00268	-.00276	.50671	.00038	-.00023	.04773
7	Ca	20.323	20.185	53.117	.04230	4.0711	29.158
8	Cr	.06268	.06329	.48580	.00030	.01312	.26452
9	Co	.04039	.04031	.49318	.00035	.00859	.52694
10	Cu	.06394	.06496	.49682	-.00123	.01227	.32302
11	Fe	123.00	125.11	21.091	.02940	23.142	129.88
12	Pb	.12468	.11322	.51162	-.00042	.02546	.59550
13	Mg	29.874	30.471	51.173	.04532	6.2071	32.958
14	Mn	4.2184	3.9345	.49297	.00054	.88621	4.3670
15	Ni	.07004	.07003	.50440	.00076	.01537	.58377
16	K_	66.732	65.082	20.034	.18664	14.309	70.822
17	Se	-.00143	.00277	.51394	.00335	.00242	2.0271
18	Ag	.00062	.00064	.50565	.00111	.00086	.04908
19	Na	1.0005	1.0014	20.198	.11611	.25874	1.2907
20	Tl	.00266	.00257	.52468	.00124	.00322	2.0315
21	V_	.16680	.16950	.49623	.00053	.03505	.64851
22	Zn	.34207	.33869	.50154	.00034	.07245	.88351
23	Ti	3.7987	3.8710	.50254	.00033	.78959	4.8391
24	B	.04646	.04735	1.0239	.00184	.01065	.99773
25	Si	18.130	17.557	.27362	.00232	3.7672	22.307
26	Sn	.04015	.03819	.48994	.00157	.01003	.51111
27	Mo	.00387	.00398	.50976	-.00004	-.00003	.92232
28	Sr	.64277	.61707	.50097	-.00027	.13437	1.2391
29	U	-.0039	.0029	10.26	.0180	.0123	.0163

#	Element	050'3MSD (-014)	050'14-4	050'14-5	050'14-6	050'14-7	050'14-8
1	Al	134.99	93.661	71.180	81.705	127.68	94.976
2	Sb	.21387	.00728	.00338	.00384	.00829	.00892
3	As	2.0783	.03048	.03201	.03585	.05093	.03373
4	Ba	3.5536	1.3271	1.1053	1.1417	1.1859	1.3905
5	Be	.06217	.00805	.00624	.00753	.01213	.00856
6	Cd	.04762	-.00204	-.00267	-.00389	-.00344	-.00269
7	Ca	23.260	26.318	24.903	30.318	37.915	30.701
8	Cr	.26072	.05383	.05057	.06288	.09239	.06072

#	Element	050'3MSD	050'14-4	050'14-5	050'14-6	050'14-7	050'14-8
9	Co	.52904	.03480	.03376	.03870	.05235	.03802
10	Cu	.32208	.04995	.04263	.04886	.10395	.05630
11	Fe	134.81	101.28	115.15	141.49	162.55	119.71
12	Pb	.62778	.09040	.11180	.10908	.14140	.11763
13	Mg	34.001	27.548	19.234	23.778	43.980	28.436
14	Mn	5.2802	3.1669	3.8857	4.0330	3.9724	3.8820
15	Ni	.57493	.06095	.04895	.05898	.10338	.06264
16	K_	70.650	70.408	34.772	38.166	54.815	50.596
17	Se	2.0351	.00228	.00268	.00360	.00002	.00356
18	Ag	.04844	.00056	.00025	.00085	.00144	.00073
19	Na	1.2682	1.9051	.98536	1.3968	1.3569	2.7115
20	Tl	2.0489	.00210	.00233	.00379	.00250	.00274
21	V_	.66957	.13391	.16780	.20209	.19693	.16006
22	Zn	.87141	.28555	.30708	.37837	.47979	.33641
23	Ti	4.9124	2.9410	3.7361	4.5650	4.1307	3.4092
24	B	1.0018	.04633	.02853	.03467	.06769	.04343
25	Si	21.231	15.346	14.192	16.800	21.536	16.867
26	Sn	.51604	.03954	.03757	.04287	.04570	.03729
27	Mo	.92751	.00398	.00243	.00275	.00367	.00213
28	Sr	1.2261	.82931	.67262	.76168	.64586	.80376
29	U	-.0039	.0068	-.0068	.0177	.0190	.0095

#	Element	050'14-9	050'4-10	CCV	CCB	050'4-11	050'4-12
1	Al	82.530	100.11	50.921	.04997	79.368	92.598
2	Sb	.00508	.00609	.52035	-.00019	.00999	.00046
3	As	.03328	.03407	.52307	.00080	.03276	.03129
4	Ba	1.0260	1.5789	.49484	.00030	1.3547	1.4255
5	Be	.00748	.00817	.52307	.00010	.00680	.00766
6	Cd	-.00093	-.00146	.51315	.00011	-.00111	-.00141
7	Ca	42.259	32.462	53.894	.03176	31.591	39.358
8	Cr	.05429	.05291	.49012	-.00010	.05310	.04942
9	Co	.03456	.03620	.49854	.00022	.03963	.03358
10	Cu	.06631	.06070	.49841	-.00141	.05755	.05084
11	Fe	108.96	111.36	21.277	.02496	108.66	99.807
12	Pb	.12647	.11569	.51873	.00010	.12156	.09402
13	Mg	25.064	27.461	51.616	.03343	24.863	25.187
14	Mn	3.6693	4.3586	.49613	.00055	4.9634	3.6690
15	Ni	.06318	.06391	.51009	.00011	.05989	.05587
16	K_	48.454	75.983	20.019	.18504	50.273	60.529
17	Se	.00164	.00131	.52648	.00198	.00432	.00252
18	Ag	.00089	.00065	.50762	.00057	.00091	.00076
19	Na	.81342	2.0934	20.247	.10707	.89077	2.1226
20	Tl	.00336	.00338	.52599	.00401	.00184	.00344
21	V_	.14453	.14088	.50055	.00003	.15812	.13717
22	Zn	.37594	.30780	.50784	-.00005	.34110	.30220
23	Ti	3.0296	3.0457	.50441	.00028	3.4644	3.1589
24	B	.04762	.04708	1.0330	.00167	.04256	.04139
25	Si	17.025	16.183	.27208	.00403	17.039	15.443
26	Sn	.04295	.03822	.49498	.00032	.03925	.04062
27	Mo	.00223	.00192	.51568	.00005	.00398	.00233
28	Sr	.58952	.81604	.50323	-.00030	.63962	.90743
29	U	.0035	-.0034	10.33	.0069	.0131	.0056

#	Element	050'52-2 (-052)	050'52-3	050'52-4	050'52-5	050714-1 (-014) -1	CRI
1	Al	107.86	108.13	114.96	108.09	77.312	.41700
2	Sb	.01008	.00590	.00584	.00627	.00528	.13308
3	As	.04095	.03831	.04658	.03900	.03188	.01059
4	Ba	.96363	1.0755	1.0505	1.1504	1.4468	.43337
5	Be	.01074	.01031	.01122	.01044	.00627	.01108
6	Cd	-.00235	-.00241	-.00342	-.00264	-.00248	.01154
7	Ca	38.533	41.585	35.474	42.376	28.103	10.213
8	Cr	.06768	.06432	.07577	.06946	.05328	.02139
9	Co	.04027	.04017	.04848	.04077	.03610	.10869
10	Cu	.06313	.05502	.07025	.06106	.05346	.05265
11	Fe	129.63	118.62	147.15	119.33	126.83	.20865
12	Pb	.13491	.10520	.13750	.12465	.14193	.00647
13	Mg	30.159	27.419	32.521	29.333	19.797	9.9466
14	Mn	3.3323	3.1500	3.6026	3.3584	4.9233	.03383
15	Ni	.07753	.07425	.08165	.07218	.05159	.09302
16	K_	53.189	54.983	53.824	49.491	44.839	9.0519
17	Se	.00126	.00103	-.00078	.00478	.00015	.01062
18	Ag	.00093	.00077	.00091	.00058	.00026	.02038
19	Na	1.0315	2.6473	.89690	2.0402	1.0813	8.9115
20	Tl	.00297	.00302	.00608	-.00131	.00466	.02613
21	V_	.15787	.14352	.18573	.15277	.18906	.10943
22	Zn	.37018	.32588	.39290	.33400	.36072	.04914
23	Ti	2.8026	2.5588	3.3542	2.8456	4.4880	.02243
24	B	.05512	.04772	.05789	.05235	.02968	.21001
25	Si	19.764	17.735	19.637	20.179	15.775	.10830
26	Sn	.04062	.03719	.03883	.03988	.04410	.10303
27	Mo	.00357	.00192	.00244	.00151	.00326	.02149
28	Sr	.63695	.70038	.66520	.77250	.73889	.02149
29	U	.0103	.0048	.0050	.0054	-.0044	.2181

#	Element	ICSA	ICSAB	CCV	CCB
1	Al	531.55	530.82	51.182	.07668
2	Sb	.00427	.62263	.52615	.00077
3	As	.00197	.10219	.52177	.00100
4	Ba	.00176	.47717	.49780	.00026
5	Be	.00099	.48451	.52201	.00013
6	Cd	-.00245	.93259	.51321	.00032
7	Ca	563.36	566.96	54.146	.06129
8	Cr	-.00064	.44450	.48905	-.00003
9	Co	.00337	.45559	.49568	.00037
10	Cu	-.00350	.51232	.49950	-.00166
11	Fe	214.42	214.62	21.262	.03331
12	Pb	.00040	.04986	.51710	-.00107
13	Mg	541.03	541.23	51.652	.06642
14	Mn	.00830	.46150	.49490	.00028
15	Ni	.00261	.91833	.51036	.00011
16	K_	.06687	.07429	19.990	.15277
17	Se	.00386	.05040	.52997	.00375
18	Ag	.00019	.20675	.50699	.00079
19	Na	.13244	.13514	20.245	.10528
20	Tl	.00025	.09488	.52584	.00442

#	Element	ICSA	ICSAB	CCV	CCB
21	V_	.00316	.47480	.50047	.00028
22	Zn	.01286	.91517	.50634	.00007
23	Ti	.00243	.96381	.50444	.00018
24	B	.00222	1.0101	1.0345	.00194
25	Si	.00303	.93243	.26672	.00199
26	Sn	.00247	.93793	.48991	.00094
27	Mo	-.00230	.97941	.51808	.00047
28	Sr	.00766	.95849	.50586	-.00028
29	U	-.0003	10.56	10.47	.0069

Method: 30EL Standard Name: BLANK Operator:
Run Time: 07/14/05 09:19:53
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.4597270	-.050247	-.197240	.2039898	-.055497	.2527373	.0014999
SDev	.0943940	.020152	.009545	.0721213	.002121	.0031818	.0042424
%RSD	20.53262	40.10456	4.839518	35.35533	3.822198	1.258941	282.8427
#1	.5264736	-.035998	-.190490	.1529923	-.056997	.2549872	.0044998
#2	.3929803	-.064497	-.203990	.2549872	-.053997	.2504875	-.001500
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.3074846	.0577471	.0794960	-.011249	.0202490	.7882106	.0427479
SDev	.0000000	.0010606	.0233333	.001061	.0201515	.0031818	.0116667
%RSD	.0000000	1.836641	29.35160	9.428090	99.51873	.4036782	27.29184
#1	.3074846	.0584971	.0629968	-.010499	.0344983	.7859607	.0509974
#2	.3074846	.0569972	.0959952	-.011999	.0059997	.7904605	.0344983
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	13.52257	.0494975	.0134993	4.455527	-.064497	.0224989	.0022499
SDev	.07955	.0000000	.0021212	.049849	.027576	.0890910	.0010606
%RSD	.5882431	.0000000	15.71349	1.118804	42.75529	395.9798	47.14045
#1	13.57882	.0494975	.0119994	4.490776	-.044998	.0854957	.0014999
#2	13.46633	.0494975	.0149993	4.420279	-.083996	-.040498	.0029999
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Avge	.0022499	-.104995	.0000000	.0000000	-.175491	-.001500	.0764962
SDev	.0031818	.023333	.0000000	.0000000	.010606	.002121	.0403031
%RSD	141.4214	22.22335	.0000000	.0000000	6.043650	141.4214	52.68639
#1	.0044998	-.088496	.0000000	.0000000	-.167992	.0000000	.1049947
#2	.0000000	-.121494	.0000000	.0000000	-.182991	-.003000	.0479976
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	B	Si	Sn	Mo	Sr	U
Avge	-.066747	.2354882	-.066747	.0127494	.0172491	-.373481
SDev	.007424	.0381819	.005303	.0031818	.0053030	.012727
%RSD	11.12303	16.21392	7.945023	24.95671	30.74377	3.407740
#1	-.071996	.2624869	-.070496	.0149993	.0209989	-.364482
#2	-.061497	.2084896	-.062997	.0104995	.0134993	-.382481
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	667	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	667	--	--	--	--	--	--
#2	667	--	--	--	--	--	--

Method: 30EL Standard Name: RLSTD Operator:
Run Time: 07/14/05 09:21:57
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Avge	.6329683	.2242388	-.142493	.3847308	.1199940	1.149693	.1934903
SDev	.0212121	.0434849	.040303	.0053030	.0657576	.020151	.0084849
%RSD	3.351215	19.39222	28.28427	1.378378	54.80077	1.752773	4.385158
#1	.6179691	.1934903	-.170991	.3809809	.1664917	1.163942	.1994900
#2	.6479676	.2549872	-.113994	.3884806	.0734963	1.135443	.1874906
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Avge	.4432278	4.659517	.2384881	.0502475	.2429878	.9187040	.3382331
SDev	.0010606	.024394	.0106061	.0031818	.0148485	.0053030	.0031818
%RSD	.2392910	.5235290	4.447214	6.332304	6.110801	.5772308	.9407224
#1	.4439778	4.676766	.2309884	.0524974	.2534873	.9224539	.3404830
#2	.4424779	4.642268	.2459877	.0479976	.2324884	.9149542	.3359832
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Avge	16.44443	5.433478	.2474876	49.72551	.2624869	.2354882	.0269986
SDev	.09227	.020152	.0063637	.15061	.0148485	.0869698	.0042424
%RSD	.5611178	.3708782	2.571299	.3028758	5.656856	36.93169	15.71349
#1	16.50967	5.447728	.2519874	49.61902	.2729863	.2969851	.0299985
#2	16.37918	5.419229	.2429878	49.83201	.2519874	.1739913	.0239988
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Zn	As	Tl	Li	Ti	B	Si
Avge	.0974951	.1634918	-.134993	.0352482	3.167841	13.70106	1.541923
SDev	.0021212	.0487879	.016970	.0031818	.048788	.01167	.021212
%RSD	2.175713	29.84121	12.57079	9.026895	1.540103	.0851534	1.375691
#1	.0989950	.1289935	-.122994	.0374981	3.202340	13.70931	1.556922
#2	.0959952	.1979901	-.146993	.0329984	3.133343	13.69281	1.526924
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sn	Mo	Sr	U
Avge	1.063447	.0959952	3.722064	4.774261
SDev	.000000	.0021212	.001061	.823031

%RSD	.0000000	2.209709	.0284945	17.23892
#1	1.063447	.0974951	3.721314	5.356232
#2	1.063447	.0944953	3.722814	4.192290
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	667	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	667	--	--	--	--	--	--
#2	667	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/100 Operator:
Run Time: 07/14/05 09:24:02
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	44.41278	45.37723	5.999700	19.79451	53.32383	102.3624
SDev	.29697	.23970	.050909	.11667	.18455	1.0288
%RSD	.6686590	.5282361	.8485259	.5893951	.3460839	1.005045
#1	44.62277	45.20774	5.963702	19.71201	53.19334	103.0898
#2	44.20279	45.54672	6.035698	19.87701	53.45433	101.6349
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/10 Operator:
Run Time: 07/14/05 09:25:29
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	431.8929	420.0795	55.99070	90.78896	519.8530	1116.846
SDev	.4221	2.8700	.27363	.24394	1.4933	1.759
%RSD	.0977350	.6832065	.4887149	.2686852	.2872587	.1574552
#1	431.5944	422.1089	56.18419	90.61647	520.9089	1115.602
#2	432.1914	418.0501	55.79721	90.96145	518.7971	1118.089

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: A 1/2 Operator:
Run Time: 07/14/05 09:26:51
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	1941.327	1803.649	249.2620	419.3550	2461.653	4884.188
SDev	7.774	2.641	.1888	1.7139	5.443	22.281
%RSD	.4004582	.1464224	.0757378	.4087055	.2211171	.4561887
#1	1935.830	1801.782	249.1285	418.1431	2457.804	4868.433
#2	1946.825	1805.517	249.3955	420.5670	2465.502	4899.943
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXAHIGH Operator:
Run Time: 07/14/05 09:28:13
Comment:
Correction Factor: 1

Elem	Al	Ca	Fe	K_	Mg	Na
Avge	3506.036	3137.179	460.5820	791.1310	4651.155	8347.834
SDev	8.171	13.468	1.4085	2.2718	14.783	19.869
%RSD	.2330529	.4292920	.3058077	.2871603	.3178340	.2380189
#1	3511.813	3127.655	459.5860	792.7374	4640.702	8361.884
#2	3500.258	3146.702	461.5779	789.5245	4661.608	8333.784
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: B 1/100 Operator:
Run Time: 07/14/05 09:29:43
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	7.232638	5.599220	1.370931	2.914354	2.641368	9.316034	13.47683
SDev	.165455	.193031	.199394	.010606	.023333	.103940	.07000
%RSD	2.287612	3.447454	14.54443	.3639229	.8833809	1.115706	.5194115
#1	7.115644	5.735713	1.229939	2.921854	2.624869	9.389530	13.52632
#2	7.349632	5.462727	1.511924	2.906855	2.657867	9.242537	13.42733
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	14.74426	3.035848	9.016048	6.799160	10.94795	6.578671	.5309734
SDev	.10606	.025455	.027576	.027576	.05303	.101818	.1357577
%RSD	.7193331	.8384699	.3058566	.4055772	.4843844	1.547699	25.56770
#1	14.81926	3.053847	9.035548	6.818659	10.98545	6.650667	.4349783
#2	14.66927	3.017849	8.996550	6.779661	10.91046	6.506675	.6269686
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	1.196940	1.669416	4.078296	.5504725
SDev	.008485	.002121	.061515	.0063636
%RSD	.7088842	.1270654	1.508355	1.156030
#1	1.202940	1.667917	4.121794	.5549722
#2	1.190940	1.670916	4.034798	.5459727
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: B 1/10 Operator:
Run Time: 07/14/05 09:31:05
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	67.51912	57.03765	15.30523	26.74966	26.26068	92.25738	130.6525
SDev	.14213	.05727	.09333	.18667	.01273	.17818	.2418
%RSD	.2104973	.1004094	.6098133	.6978283	.0484667	.1931329	.1850837
#1	67.61962	56.99715	15.23924	26.61767	26.25169	92.38338	130.4815
#2	67.41863	57.07814	15.37123	26.88165	26.26969	92.13139	130.8235
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	147.0317	30.40948	89.58452	60.70197	108.1086	66.32218	5.227239
SDev	.1782	.05515	.08909	.13152	.1230	.22697	.176061
%RSD	.1211843	.1813612	.0994476	.2166603	.1138007	.3422232	3.368143
#1	146.9057	30.37048	89.52152	60.79496	108.0216	66.16169	5.102745
#2	147.1576	30.44848	89.64751	60.60897	108.1956	66.48267	5.351732
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	11.91240	16.52917	40.21149	7.060147
SDev	.01273	.05091	.02334	.040303
%RSD	.1068439	.3079969	.0580312	.5708547
#1	11.90340	16.49318	40.22799	7.088646
#2	11.92140	16.56517	40.19499	7.031648
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXBHIGH Operator:
Run Time: 07/14/05 09:32:30
Comment:
Correction Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Ba	Be
Avge	661.9034	561.9514	154.0648	261.4279	254.2013	856.0972	1184.042
SDev	2.9082	1.3130	.2991	.4030	1.1709	1.4806	.117
%RSD	.4393668	.2336514	.1941380	.1541666	.4606267	.1729466	.0098488
#1	663.9598	562.8798	153.8533	261.7129	253.3733	855.0502	1183.960
#2	659.8470	561.0230	154.2763	261.1429	255.0292	857.1441	1184.125

Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
Elem	Cd	Co	Cr	Cu	Mn	Ni	Sb
Avge	1405.734	300.4095	879.0730	595.0682	1015.584	650.4934	52.23489
SDev	.702	.2227	.7848	2.1000	.717	.8061	.29061
%RSD	.0499516	.0741384	.0892798	.3529007	.0705988	.1239165	.5563464
#1	1405.238	300.2520	878.5181	593.5833	1015.077	649.9235	52.02940
#2	1406.231	300.5670	879.6280	596.5532	1016.091	651.0634	52.44038
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	V_	Zn	As	Tl
Avge	117.1831	159.2560	395.5032	71.50742
SDev	.0891	.1061	.5600	.12727
%RSD	.0760260	.0665915	.1415921	.1779872
#1	117.1201	159.3310	395.1072	71.59742
#2	117.2461	159.1810	395.8992	71.41743
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: C 1/100 Operator:
Run Time: 07/14/05 09:33:57
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	.3494825	29.00855	13.64632	13.14234	2.083396	.7904605	35.34573
SDev	.0148485	.00424	.17818	.00848	.023333	.0021212	.01909
%RSD	4.248705	.0146268	1.305715	.0645598	1.119967	.2683510	.0540079
#1	.3599820	29.01155	13.52032	13.13634	2.066897	.7889605	35.35923
#2	.3389831	29.00555	13.77231	13.14834	2.099895	.7919604	35.33223
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	23.16334
SDev	.11667
%RSD	.5036746
#1	23.08085
#2	23.24584

Factor 1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: C 1/10 Operator:
Run Time: 07/14/05 09:35:20
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	3.584821	287.3196	136.5097	129.0535	21.54942	7.852107	344.3273
SDev	.292728	.1273	.1676	.3946	.09970	.006364	.7361
%RSD	8.165752	.0442970	.1227555	.3057288	.4626444	.0810419	.2137693
#1	3.377831	287.2296	136.6282	128.7746	21.61992	7.856607	343.8068
#2	3.791810	287.4096	136.3912	129.3325	21.47893	7.847608	344.8478
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	230.8610
SDev	.4773
%RSD	.2067381
#1	231.1984
#2	230.5235

Factor 1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL Standard Name: MIXCHIGH Operator:
Run Time: 07/14/05 09:37:24
Comment:
Correction Factor: 1

Elem	Li	Ti	B	Si	Sn	Mo	Sr
Avge	35.35323	2810.963	1350.669	1219.919	214.2568	76.23219	2957.693
SDev	.93333	1.742	1.385	2.155	.3415	.19091	.462

%RSD	2.640027	.0619548	.1025574	.1766639	.1593989	.2504337	.0156367
#1	34.69326	2809.731	1349.689	1218.395	214.0153	76.09719	2958.020
#2	36.01320	2812.194	1351.648	1221.443	214.4983	76.36718	2957.366
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	U
Avge	2279.463
SDev	1.591
%RSD	.0697891
#1	2280.588
#2	2278.338
Factor	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	333	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	333	--	--	--	--	--	--
#2	333	--	--	--	--	--	--

Method: 30EL
Mode: Concentration
Standards Table: 6010I
Data File: 6010CAL

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
2203/1	220.351	07/14/05 09:44	Full Fit	1.000000
2203/2	220.352/2	07/14/05 09:44	Full Fit	1.000000
1960/1	196.021	07/14/05 09:44	Full Fit	1.000000
1960/2	196.022/2	07/14/05 09:44	Full Fit	1.000000
Ag	328.068	07/14/05 09:44	Full Fit	1.000000
Al	308.215	07/14/05 09:44	Full Fit	1.000000
Ba	493.409	07/14/05 09:44	Full Fit	1.000000
Be	313.042	07/14/05 09:44	Full Fit	1.000000
Ca	317.933	07/14/05 09:44	Full Fit	1.000000
Cd	226.502/2	07/14/05 09:44	Full Fit	1.000000
Co	228.616	07/14/05 09:44	Full Fit	1.000000
Cr	267.716	07/14/05 09:44	Full Fit	1.000000
Cu	324.753	07/14/05 09:44	Full Fit	1.000000
Fe	271.441	07/14/05 09:45	Full Fit	1.000000
K_	766.491	07/14/05 09:45	Full Fit	1.000000
Mg	279.078	07/14/05 09:45	Full Fit	1.000000
Mn	257.610	07/14/05 09:45	Full Fit	1.000000
Na	588.991	07/14/05 09:45	Full Fit	.999998
Ni	231.604/2	07/14/05 09:45	Full Fit	1.000000
Sb	206.838/2	07/14/05 09:45	Full Fit	1.000000

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
V_	292.402	07/14/05 09:45	Full Fit	1.000000
Zn	206.200	07/14/05 09:45	Full Fit	1.000000
As	189.042/2	07/14/05 09:45	Full Fit	1.000000
Pb	220.353	01/06/95 08:57	User Fit	1.000000
Se	196.026	01/06/95 08:57	User Fit	1.000000
Tl	190.864/2	07/14/05 09:45	Full Fit	1.000000
Li	670.784	07/14/05 09:45	Full Fit	1.000000
Ti	334.941	07/14/05 09:45	Full Fit	1.000000
B	249.678/2	07/14/05 09:45	Full Fit	1.000000
Si	251.612	07/14/05 09:45	Full Fit	1.000000
Sn	189.989	07/14/05 09:45	Full Fit	1.000000
Mo	202.003/2	07/14/05 09:45	Full Fit	1.000000
Sr	421.525	07/14/05 09:45	Full Fit	1.000000
U	409.014	07/14/05 09:45	Full Fit	1.000000

Method: 30EL Sample Name: MIXCHIGH Operator: SW
Run Time: 07/14/05 09:46:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00012	.00669	-.03652	.00990	.00966	.27867	.00014
SDev	.00478	.00404	.00353	.00116	.00006	.00002	.00005
%RSD	3930.4	60.403	9.6550	11.691	.65880	.00591	32.079
#1	-.00350	.00955	-.03901	.00908	.00971	.27868	.00017
#2	.00326	.00383	-.03403	.01072	.00962	.27866	.00011
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00426	.12871	-.00190	.00418	.01456	.00464	-.16841
SDev	.00000	.00020	.00020	.00060	.00072	.00022	.00409
%RSD	.00872	.15801	10.568	14.296	4.9246	4.8002	2.4299
#1	.00426	.12857	-.00176	.00461	.01507	.00449	-.16552
#2	.00426	.12886	-.00204	.00376	.01405	.00480	-.17131
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.15372	-.21898	.00715	.14627	.00683	-.03327	.00268
SDev	.01493	.00272	.00012	.00007	.00131	.00324	.00165
%RSD	9.7113	1.2419	1.6365	.04734	19.115	9.7447	61.538
#1	.14317	-.21706	.00723	.14622	.00776	-.03098	.00385
#2	.16428	-.22090	.00707	.14632	.00591	-.03556	.00152
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.01212	-.00407	.00442	-.00556	.01710	9.8833	9.9332
SDev	.00054	.00351	.00111	.00195	.00172	.3723	.0121
%RSD	4.4429	86.195	24.978	35.016	10.049	3.7670	.12151
#1	-.01174	-.00159	.00521	-.00693	.01588	9.6200	9.9246
#2	-.01250	-.00655	.00364	-.00418	.01831	10.147	9.9417
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass
Value						10.000	10.000
Range						5.0000	5.0000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.9724	50.071	10.088	10.033	9.8234	48.93
SDev	.0041	.001	.047	.039	.0030	.06
%RSD	.04145	.00201	.46585	.39259	.03019	.1128
#1	9.9695	50.070	10.055	10.005	9.8255	48.97
#2	9.9753	50.071	10.122	10.061	9.8213	48.89
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	50.000	10.000	10.000	10.000	50.00
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.000

Method: 30EL Sample Name: MIXBHIGH Operator: SW
Run Time: 07/14/05 09:47:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	10.060	9.8738	10.001	9.8912	1.9819	-.00466	9.8283
SDev	.009	.0065	.002	.0550	.0003	.00090	.0153
%RSD	.09089	.06577	.02071	.55636	.01415	19.228	.15565
#1	10.066	9.8692	9.9991	9.8523	1.9821	-.00530	9.8174
#2	10.054	9.8784	10.002	9.9301	1.9817	-.00403	9.8391
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass
Value					2.0000		10.000
Range					5.0000		5.0000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	10.016	.02973	9.8996	9.9718	9.9506	9.9028	.28130
SDev	.003	.00019	.0192	.0010	.0083	.0247	.00487
%RSD	.03289	.64504	.19407	.00997	.08330	.24963	1.7309
#1	10.019	.02987	9.9132	9.9711	9.9564	9.8854	.27786
#2	10.014	.02960	9.8860	9.9725	9.9447	9.9203	.28474
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	10.000		10.000	10.000	10.000	10.000	
Range	5.0000		5.0000	5.0000	5.0000	5.0000	

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.06179	-.01747	9.9521	.11342	9.9106	1.9747	9.9496
SDev	.01193	.00019	.0061	.00010	.0035	.0062	.0040
%RSD	19.312	1.1120	.06142	.09111	.03493	.31507	.04017
#1	.07023	-.01761	9.9564	.11349	9.9131	1.9703	9.9467
#2	.05335	-.01733	9.9478	.11334	9.9082	1.9791	9.9524
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value			10.000		10.000	2.0000	10.000
Range			5.0000		5.0000	5.0000	5.0000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	9.9776	9.9370	9.9360	9.9276	9.9986	.01716	.00611
SDev	.0231	.0128	.0013	.0374	.0411	.01155	.00346
%RSD	.23109	.12861	.01295	.37668	.41067	67.302	56.548
#1	9.9939	9.9279	9.9350	9.9012	9.9696	.02533	.00855
#2	9.9613	9.9460	9.9369	9.9541	10.028	.00900	.00367
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	10.000	10.000	10.000	10.000	10.000		
Range	5.0000	5.0000	5.0000	5.0000	5.0000		

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02672	.03932	.00527	.04099	.00371	-.0135
SDev	.00709	.01864	.00177	.01458	.00271	.0193
%RSD	26.546	47.397	33.509	35.572	73.065	143.1
#1	.03173	.05250	.00652	.05130	.00562	.0002
#2	.02170	.02614	.00402	.03068	.00179	-.0271
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

Method: 30EL Sample Name: MIXAHIGH Operator: SW
Run Time: 07/14/05 09:49:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.06588	.04191	.01509	.01825	.00932	498.58	.00663
SDev	.00034	.00950	.00627	.00690	.00512	1.49	.00297
%RSD	.51571	22.660	41.562	37.845	54.959	.29977	44.754
#1	-.06612	.04862	.01066	.02313	.01294	497.52	.00872
#2	-.06564	.03519	.01953	.01336	.00570	499.63	.00453
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value						500.00	
Range						5.0000	

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00596	512.11	.00574	.00788	.00886	.00929	203.74
SDev	.00311	2.31	.00317	.00299	.00326	.00304	.31
%RSD	52.194	.45176	55.201	37.988	36.788	32.709	.15082
#1	.00816	513.75	.00799	.01000	.01116	.01143	203.96
#2	.00376	510.47	.00350	.00577	.00655	.00714	203.52
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		500.00					200.00
Range		5.0000					5.0000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	99.617	510.67	.01237	100.26	.00848	.02582	.00816
SDev	.458	.93	.00298	.23	.00306	.01336	.00303
%RSD	.45996	.18201	24.110	.22693	36.083	51.733	37.062
#1	99.293	511.33	.01448	100.10	.01065	.03527	.01030
#2	99.941	510.01	.01026	100.42	.00632	.01638	.00603
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	100.00	500.00		100.00			
Range	5.0000	5.0000		5.0000			

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02756	.01376	.00601	.01720	-.00529	.00596	.00380
SDev	.00448	.00791	.00622	.00252	.00041	.00061	.00006
%RSD	16.243	57.491	103.44	14.634	7.7866	10.301	1.4664
#1	.03073	.01936	.01041	.01898	-.00500	.00553	.00376
#2	.02440	.00817	.00161	.01542	-.00558	.00640	.00384
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00425	.01926	.00639	.00519	.00686	.0246
SDev	.00124	.00107	.00039	.00056	.00004	.0059
%RSD	29.184	5.5630	6.1162	10.844	.53062	23.79
#1	.00513	.01851	.00612	.00559	.00684	.0287
#2	.00338	.02002	.00667	.00480	.00689	.0205
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value						
Range						

Method: 30EL Sample Name: ICV Operator: SW
Run Time: 07/14/05 10:01:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.24839	.25036	.24198	.24631	.24567	23.997	.24092
SDev	.00140	.00145	.00129	.00455	.00118	.064	.00028
%RSD	.56559	.57794	.53136	1.8482	.47867	.26485	.11748
#1	.24939	.25139	.24289	.24309	.24483	23.952	.24072
#2	.24740	.24934	.24107	.24953	.24650	24.042	.24112
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.25000	25.250	.25000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.25491	25.035	.24666	.24394	.24168	.24251	10.120
SDev	.00087	.111	.00129	.00084	.00120	.00084	.038
%RSD	.34304	.44409	.52297	.34295	.49716	.34769	.37670
#1	.25429	24.957	.24575	.24335	.24083	.24191	10.093
#2	.25553	25.114	.24757	.24453	.24253	.24310	10.147
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	25.250	.25000	.25000	.25000	.25000	10.250
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.7925	24.708	.24312	9.7388	.24675	.24840	.24372
SDev	.0281	.108	.00086	.0350	.00253	.00721	.00072
%RSD	.28745	.43799	.35400	.35910	1.0249	2.9019	.29480
#1	9.7726	24.631	.24251	9.7140	.24497	.24331	.24322
#2	9.8124	24.784	.24373	9.7635	.24854	.25350	.24423
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	25.250	.25000	10.250	.25000	.25000	.25000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.24592	.24785	.24971	.24487	.25546	.32303	.24705
SDev	.00141	.00414	.00143	.00261	.00081	.00414	.00064
%RSD	.57259	1.6697	.57385	1.0651	.31827	1.2819	.25723
#1	.24493	.24493	.25072	.24302	.25604	.32596	.24660
#2	.24692	.25078	.24869	.24671	.25489	.32011	.24750
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.25000	.25000	.25000	.25000	.25000		.25000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50028	.12857	.24587	.24932	.24333	4.846
SDev	.00020	.00138	.00186	.00140	.00031	.007
%RSD	.04036	1.0774	.75843	.56005	.12565	.1538
#1	.50042	.12759	.24455	.24833	.24311	4.840
#2	.50013	.12955	.24719	.25031	.24355	4.851
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.12500	.25000	.25000	.25000	5.000
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: ICB Operator: SW
Run Time: 07/14/05 10:04:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00225	-.00027	.00078	.00116	.00081	.03632	.00001
SDev	.00002	.00099	.00640	.00053	.00026	.00198	.00003
%RSD	1.0306	367.77	820.86	45.576	32.773	5.4536	403.01
#1	-.00226	.00043	-.00375	.00154	.00100	.03772	.00003
#2	-.00223	-.00097	.00531	.00079	.00062	.03492	-.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00007	.01002	.00008	.00047	.00009	.00013	.01053
SDev	.00000	.00000	.00008	.00010	.00035	.00006	.00258
%RSD	.11681	.00000	95.986	21.955	399.57	46.461	24.517
#1	.00007	.01002	.00014	.00055	.00033	.00009	.01236
#2	.00007	.01002	.00003	.00040	-.00016	.00017	.00871
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.14299	.01253	-.00013	.09575	.00013	.00192	.00022
SDev	.00158	.00254	.00002	.00003	.00054	.00063	.00036
%RSD	1.1053	20.228	14.909	.03585	427.22	32.462	160.20
#1	.14188	.01433	-.00012	.09573	.00051	.00237	.00047
#2	.14411	.01074	-.00014	.09578	-.00026	.00148	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00028	.00042	-.00093	.00103	.00332	.00160	-.00028
SDev	.00038	.00194	.00065	.00178	.00168	.00062	.00002
%RSD	135.56	463.02	70.261	171.86	50.540	38.978	6.4164
#1	-.00001	.00179	-.00047	-.00022	.00214	.00204	-.00027
#2	-.00055	-.00095	-.00139	.00229	.00451	.00116	-.00030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00139	.00035	.00098	-.00024	-.00055	.0151
SDev	.00073	.00000	.00010	.00014	.00001	.0069
%RSD	52.471	.33399	10.099	56.068	1.1074	45.70
#1	.00191	.00035	.00105	-.00034	-.00054	.0200
#2	.00087	.00035	.00091	-.00015	-.00055	.0102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: CRI Operator: SW
Run Time: 07/14/05 10:07:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00517	.00517	.01879	.01364	.02001	.41468	.41842
SDev	.00055	.00026	.00316	.00263	.00015	.00013	.00091
%RSD	10.643	4.9395	16.796	19.302	.76032	.03002	.21764
#1	.00556	.00536	.01656	.01178	.01991	.41477	.41778
#2	.00478	.00499	.02102	.01550	.02012	.41459	.41907
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01088	9.7088	.01093	.10569	.02109	.05343	.19876
SDev	.00002	.0020	.00004	.00007	.00009	.00020	.00565
%RSD	.14813	.02009	.40228	.06637	.40196	.36862	2.8423
#1	.01087	9.7101	.01090	.10574	.02103	.05329	.20275
#2	.01089	9.7074	.01096	.10564	.02115	.05357	.19476
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.1616	9.7262	.03260	8.9853	.08895	.12908	.10623
SDev	.0230	.0175	.00004	.0050	.00012	.00056	.00000
%RSD	.25091	.18025	.11965	.05583	.12898	.43460	.00301
#1	9.1453	9.7138	.03258	8.9817	.08887	.12868	.10623
#2	9.1778	9.7386	.03263	8.9888	.08903	.12948	.10622
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04869	.01063	.00517	.01535	.02560	.02897	.02138
SDev	.00038	.00057	.00035	.00281	.00028	.00212	.00004
%RSD	.78807	5.3714	6.8383	18.281	1.1109	7.3052	.18685
#1	.04896	.01023	.00542	.01337	.02581	.02747	.02141
#2	.04842	.01104	.00492	.01734	.02540	.03046	.02135
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20483	.10457	.10313	.02280	.02058	.1991
SDev	.00095	.00070	.00176	.00071	.00001	.0029
%RSD	.46235	.66752	1.7108	3.1277	.05901	1.433
#1	.20416	.10507	.10189	.02330	.02057	.2011
#2	.20550	.10408	.10438	.02229	.02059	.1971
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: ICSA Operator: SW
Run Time: 07/14/05 10:10:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.06950	.03179	.01115	-.00426	.00071	507.26	.00159
SDev	.00100	.00312	.00175	.00160	.00010	.90	.00001
%RSD	1.4421	9.8249	15.662	37.645	13.375	.17747	.74023
#1	-.06879	.02958	.00991	-.00540	.00078	506.62	.00160
#2	-.07021	.03399	.01238	-.00313	.00065	507.90	.00158
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00112	525.28	-.00008	.00305	-.00034	-.00107	208.97
SDev	.00001	.96	.00036	.00021	.00008	.00014	.01
%RSD	.72364	.18208	453.56	6.8194	22.595	12.701	.00480
#1	.00112	525.95	-.00033	.00291	-.00029	-.00097	208.97
#2	.00113	524.60	.00017	.00320	-.00040	-.00116	208.98
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05340	524.31	.00784	.12671	.00259	.00980	.00330
SDev	.00865	.31	.00000	.00004	.00034	.00044	.00027
%RSD	16.206	.05937	.00000	.03406	13.294	4.5264	8.1920
#1	.05952	524.09	.00784	.12674	.00283	.00949	.00349
#2	.04728	524.53	.00784	.12668	.00234	.01011	.00311
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01405	.00051	-.00194	.00087	-.01001	.00073	.00226
SDev	.00006	.00033	.00175	.00165	.00100	.00185	.00005
%RSD	.45614	64.644	89.987	189.90	10.017	255.61	2.3077
#1	.01400	.00074	-.00318	-.00030	-.00930	.00204	.00230
#2	.01409	.00028	-.00071	.00204	-.01072	-.00059	.00223
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000	.00000		.00000
Range	.04000	.02000	.00600	.01000	.02000		.04000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00231	.00311	.00324	-.00151	.00723	.0218
SDev	.00005	.00085	.00142	.00056	.00001	.0071
%RSD	2.0138	27.272	43.946	36.778	.12599	32.73
#1	.00228	.00371	.00424	-.00112	.00723	.0269
#2	.00234	.00251	.00223	-.00191	.00722	.0168
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.00000	.00000	.00000	.00000	.00000	
Range	.20000	.10000	.10000	.02000	.02000	

Method: 30EL Sample Name: ICSAB Operator: SW
Run Time: 07/14/05 10:12:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.02100	.08080	.05861	.04865	.20357	505.79	.45737
SDev	.00330	.00196	.00062	.00010	.00069	.29	.00051
%RSD	15.715	2.4203	1.0543	.19715	.33836	.05697	.11126
#1	-.02334	.07942	.05817	.04859	.20309	505.59	.45773
#2	-.01867	.08218	.05905	.04872	.20406	506.00	.45701
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.46825	519.51	.88108	.44047	.43040	.50189	207.19
SDev	.00233	4.10	.00449	.00290	.00206	.00071	1.24
%RSD	.49669	.78921	.51022	.65873	.47834	.14225	.60088
#1	.46661	516.61	.87790	.43842	.42895	.50240	206.31
#2	.46990	522.41	.88425	.44252	.43186	.50139	208.07
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02567	519.22	.44630	.12886	.86960	.58744	.45536
SDev	.02409	3.20	.00214	.00218	.00297	.00319	.00190
%RSD	93.851	.61604	.47901	1.6951	.34115	.54232	.41749
#1	.00863	516.96	.44479	.12732	.86750	.58519	.45402
#2	.04270	521.48	.44781	.13041	.87170	.58969	.45671
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.87972	.09521	.04690	.05197	.08754	1.5632	.93498
SDev	.00811	.00284	.00240	.00027	.00210	.0303	.00164
%RSD	.92192	2.9859	5.1249	.51906	2.4003	1.9375	.17577
#1	.87398	.09320	.04520	.05178	.08902	1.5418	.93382
#2	.88545	.09722	.04860	.05216	.08605	1.5846	.93615
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000		1.0000
Range	20.000	20.000	20.000	20.000	20.000		20.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98166	.91125	.93721	.95002	.91327	9.711
SDev	.00383	.00321	.00505	.00969	.00114	.014
%RSD	.38978	.35217	.53924	1.0203	.12445	.1473
#1	.97895	.90898	.93364	.94316	.91408	9.721
#2	.98436	.91352	.94079	.95687	.91247	9.700
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	10.00
Range	20.000	20.000	20.000	20.000	20.000	20.00

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/14/05 10:15:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.49645	.49060	.49938	.48969	.49779	49.430	.47841
SDev	.00040	.00080	.00460	.00020	.00117	.179	.00117
%RSD	.07955	.16352	.92216	.04057	.23541	.36217	.24497
#1	.49673	.49003	.49613	.48955	.49696	49.303	.47759
#2	.49617	.49117	.50264	.48984	.49862	49.556	.47924
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.50541	50.981	.48623	.48211	.47588	.48964	20.644
SDev	.00015	.088	.00102	.00101	.00006	.00131	.008
%RSD	.03061	.17197	.21046	.20942	.01155	.26734	.04110
#1	.50552	51.043	.48695	.48282	.47584	.48871	20.650
#2	.50530	50.919	.48550	.48139	.47592	.49056	20.638
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.085	50.029	.47924	20.211	.48591	.49984	.48316
SDev	.073	.035	.00004	.096	.00025	.00163	.00036
%RSD	.36137	.06966	.00819	.47304	.05099	.32648	.07522
#1	20.034	50.004	.47921	20.143	.48608	.50100	.48291
#2	20.136	50.054	.47927	20.278	.48573	.49869	.48342
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.48713	.50098	.49255	.49292	.50998	.72922	.49002
SDev	.00109	.00397	.00040	.00167	.00252	.01177	.00005
%RSD	.22404	.79179	.08194	.33800	.49475	1.6144	.00931
#1	.48791	.49817	.49226	.49174	.51176	.72090	.48999
#2	.48636	.50378	.49283	.49410	.50819	.73755	.49005
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0052	.25941	.48989	.50249	.48334	9.664
SDev	.0042	.00098	.00030	.00056	.00062	.022
%RSD	.42090	.37830	.06099	.11208	.12874	.2320

#1	1.0022	.26011	.48968	.50209	.48290	9.648
#2	1.0082	.25872	.49010	.50289	.48378	9.680
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/14/05 10:19:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00472	-.00085	.00394	.00187	.00066	.04235	-.00001
SDev	.00214	.00052	.00366	.00273	.00023	.00201	.00006
%RSD	45.296	61.186	92.796	145.74	34.699	4.7569	746.47
#1	-.00624	-.00048	.00136	-.00006	.00082	.04377	.00003
#2	-.00321	-.00122	.00653	.00380	.00050	.04092	-.00005
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00010	.03538	.00028	.00018	-.00011	-.00012	.01973
SDev	.00000	.00164	.00012	.00017	.00028	.00001	.00092
%RSD	.03893	4.6397	41.202	96.616	258.25	6.8839	4.6850
#1	.00010	.03654	.00036	.00030	.00009	-.00011	.02038
#2	.00010	.03422	.00020	.00006	-.00030	-.00012	.01907
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.13871	.03713	-.00014	.09782	.00015	.00103	-.00015
SDev	.02130	.00446	.00003	.00021	.00038	.00108	.00018
%RSD	15.353	12.018	21.244	.21064	252.43	104.95	117.81
#1	.12365	.04028	-.00012	.09767	.00042	.00180	-.00003
#2	.15377	.03397	-.00016	.09796	-.00012	.00027	-.00028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00015	.00038	-.00214	.00256	.00211	.00049	-.00028
SDev	.00006	.00184	.00037	.00304	.00253	.00032	.00004
%RSD	43.340	479.07	17.056	118.61	120.20	64.075	13.652
#1	-.00019	.00168	-.00240	.00041	.00032	.00027	-.00031
#2	-.00010	-.00091	-.00188	.00471	.00390	.00071	-.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00146	-.00013	.00178	.00058	-.00048	.0061
SDev	.00080	.00035	.00024	.00015	.00000	.0116
%RSD	54.689	267.24	13.639	26.284	.63588	191.8
#1	.00203	.00012	.00161	.00069	-.00048	.0143
#2	.00090	-.00038	.00195	.00047	-.00048	-.0022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: IP050713-2MB Operator: SW
Run Time: 07/14/05 10:22:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00361	.00625	.01117	-.00394	.00063	.10560	.00698
SDev	.00219	.00060	.00169	.00688	.00051	.00028	.00002
%RSD	60.659	9.5903	15.127	174.40	80.605	.26242	.33671
#1	.00516	.00582	.01237	-.00881	.00027	.10540	.00696
#2	.00206	.00667	.00998	.00092	.00098	.10580	.00700
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00002	1.6802	.00043	.00025	.00469	.01334	.13057
SDev	.00000	.0126	.00013	.00070	.00024	.00014	.00129
%RSD	.17684	.75234	29.806	275.88	5.0748	1.0156	.98712
#1	-.00002	1.6713	.00053	-.00024	.00453	.01343	.12966
#2	-.00002	1.6892	.00034	.00074	.00486	.01324	.13148
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.06085	.31586	.00425	1.3875	.00309	-.00557	.00023
SDev	.02911	.00233	.00008	.0067	.00067	.00251	.00018
%RSD	47.844	.73707	1.8336	.48541	21.754	45.123	79.964
#1	.04027	.31421	.00420	1.3923	.00262	-.00734	.00010
#2	.08144	.31750	.00431	1.3827	.00357	-.00379	.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.23913	.01084	.00537	.00109	-.01634	.00093	.00233
SDev	.00282	.00172	.00033	.00402	.00411	.00094	.00001
%RSD	1.1788	15.829	6.1393	369.26	25.146	100.68	.40598
#1	.23714	.00963	.00560	-.00176	-.01925	.00027	.00233
#2	.24112	.01206	.00514	.00394	-.01343	.00160	.00234
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00801	.11262	.01703	.00079	.00275	.0126
SDev	.00079	.00074	.00074	.00014	.00000	.0140
%RSD	9.8846	.65762	4.3336	17.961	.11052	110.5
#1	.00745	.11209	.01651	.00089	.00275	.0028
#2	.00857	.11314	.01755	.00069	.00274	.0225
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: IP050713-2LCS Operator: SW
Run Time: 07/14/05 10:24:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00600	.00544	.01703	.00254	.00059	.28711	.21830
SDev	.00277	.00206	.00040	.00126	.00022	.00028	.00061
%RSD	46.126	37.876	2.3469	49.536	38.049	.09858	.28082
#1	.00405	.00689	.01731	.00342	.00075	.28691	.21786
#2	.00796	.00398	.01675	.00165	.00043	.28731	.21873
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00531	1.6418	.00581	.05312	.00486	.03738	.30794
SDev	.00002	.0070	.00024	.00024	.00025	.00031	.00140
%RSD	.30242	.42581	4.0860	.45972	5.2315	.82317	.45449
#1	.00530	1.6368	.00597	.05329	.00504	.03716	.30695
#2	.00532	1.6467	.00564	.05295	.00468	.03760	.30893
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.03931	.29748	.02094	1.3068	.04507	-.00442	.05423
SDev	.00481	.00136	.00005	.0069	.00041	.00149	.00026
%RSD	12.225	.45625	.23278	.52430	.90901	33.648	.48539
#1	.03591	.29652	.02091	1.3020	.04478	-.00337	.05404
#2	.04270	.29844	.02098	1.3117	.04536	-.00547	.05441
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.10411	.01598	.00563	.00736	-.00288	.00138	.00282
SDev	.00013	.00034	.00045	.00097	.00225	.00031	.00009
%RSD	.12312	2.1382	8.0225	13.189	78.225	22.630	3.3145
#1	.10420	.01622	.00595	.00805	-.00129	.00116	.00275
#2	.10402	.01574	.00531	.00668	-.00447	.00160	.00288
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01014	.10195	.01786	.00037	.00354	.0088
SDev	.00037	.00141	.00025	.00045	.00003	.0084
%RSD	3.6746	1.3815	1.3817	121.63	.77255	94.86
#1	.00987	.10096	.01804	.00069	.00352	.0148
#2	.01040	.10295	.01769	.00005	.00355	.0029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: IP050713-2LCSD Operator: SW
Run Time: 07/14/05 10:27:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00502	.00540	.01641	.00003	.00028	.27054	.21785
SDev	.00110	.00151	.00076	.00128	.00048	.00258	.00045
%RSD	21.960	28.014	4.6043	3717.7	170.56	.95364	.20565
#1	.00580	.00433	.01588	-.00087	-.00006	.26871	.21753
#2	.00424	.00648	.01695	.00094	.00062	.27236	.21816
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00521	1.7929	.00546	.05184	.00483	.04019	.23049
SDev	.00002	.0020	.00020	.00045	.00034	.00007	.00846
%RSD	.46139	.11362	3.6616	.87496	7.1140	.16456	3.6724
#1	.00520	1.7915	.00532	.05152	.00458	.04023	.22450
#2	.00523	1.7944	.00560	.05216	.00507	.04014	.23647
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.02030	.29618	.02083	1.3888	.04486	-.00656	.05303
SDev	.00443	.00223	.00013	.0020	.00005	.00094	.00054
%RSD	21.821	.75281	.60844	.14568	.10837	14.365	1.0176
#1	.01717	.29460	.02074	1.3902	.04489	-.00589	.05265
#2	.02343	.29775	.02092	1.3874	.04482	-.00723	.05341
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.09615	.01609	.00528	.00549	-.00304	.00053	.00193
SDev	.00090	.00159	.00064	.00110	.00017	.00275	.00000
%RSD	.93176	9.8660	12.176	20.083	5.4967	521.49	.23274
#1	.09551	.01721	.00482	.00471	-.00316	-.00142	.00193
#2	.09678	.01497	.00573	.00627	-.00292	.00248	.00193
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00920	.09373	.01440	-.00044	.00336	.0028
SDev	.00116	.00028	.00113	.00070	.00002	.0157
%RSD	12.647	.30138	7.8538	159.40	.45226	563.6
#1	.00838	.09393	.01360	-.00094	.00334	-.0083
#2	.01003	.09353	.01519	.00006	.00337	.0139
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507073-1 Operator: SW
Run Time: 07/14/05 10:30:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.11990	.11800	.01610	-.00296	.00309	18.293	.31661
SDev	.00096	.00371	.00432	.00217	.00023	.111	.00064
%RSD	.80425	3.1487	26.838	73.237	7.3813	.60759	.20139
#1	.12058	.11537	.01915	-.00143	.00293	18.215	.31616
#2	.11921	.12062	.01304	-.00450	.00325	18.372	.31706
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00199	31.286	.00151	.01518	.03971	.15778	34.506
SDev	.00002	.139	.00016	.00035	.00028	.00054	.140
%RSD	.80470	.44501	10.476	2.2869	.70420	.34457	.40442
#1	.00198	31.187	.00140	.01493	.03951	.15740	34.407
#2	.00200	31.384	.00162	.01542	.03990	.15817	34.605
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	4.7424	5.2803	.72946	3.2436	.05751	-.00740	.08020
SDev	.0328	.0377	.00327	.0199	.00023	.00149	.00054
%RSD	.69190	.71375	.44802	.61424	.40004	20.126	.66885
#1	4.7192	5.2536	.72715	3.2295	.05735	-.00846	.07982
#2	4.7656	5.3069	.73177	3.2577	.05767	-.00635	.08058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50157	.03286	.11863	.00338	-.01847	.02319	.38607
SDev	.00308	.00161	.00216	.00289	.00180	.00182	.00096
%RSD	.61396	4.8851	1.8183	85.278	9.7572	7.8387	.24902
#1	.49940	.03172	.11710	.00542	-.01720	.02190	.38539
#2	.50375	.03399	.12015	.00134	-.01975	.02448	.38675
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04224	4.8500	.02593	.00367	.08765	-.0032
SDev	.00021	.0252	.00093	.00044	.00009	.0058
%RSD	.49603	.51935	3.5892	11.908	.10762	180.2

#1	.04209	4.8322	.02658	.00336	.08758	-.0073
#2	.04239	4.8679	.02527	.00398	.08771	.0009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507073-2 Operator: SW
Run Time: 07/14/05 10:33:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.12311	.12276	.01056	-.00638	.00067	22.005	.38078
SDev	.00254	.00143	.00079	.00006	.00012	.073	.00274
%RSD	2.0658	1.1675	7.4587	.90545	17.788	.33114	.72015
#1	.12491	.12175	.01000	-.00642	.00076	21.954	.37884
#2	.12131	.12378	.01112	-.00634	.00059	22.057	.38272
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00202	35.394	.00144	.02196	.06113	.27456	58.186
SDev	.00001	.045	.00016	.00007	.00008	.00112	.252
%RSD	.39632	.12765	11.165	.34286	.12979	.40751	.43271
#1	.00202	35.362	.00155	.02201	.06118	.27377	58.008
#2	.00203	35.426	.00132	.02191	.06107	.27536	58.364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	7.1005	12.056	1.2248	6.2818	.08006	.00275	.10059
SDev	.0344	.024	.0056	.0289	.00026	.00037	.00018
%RSD	.48475	.20118	.45472	.45949	.32791	13.437	.17572
#1	7.0762	12.039	1.2209	6.2614	.08025	.00249	.10046
#2	7.1249	12.073	1.2287	6.3022	.07988	.00301	.10071
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	1.1546	.03460	.12288	-.00074	-.01812	.03324	.70739
SDev	.0015	.00039	.00011	.00030	.00080	.00151	.00369
%RSD	.13344	1.1375	.08878	40.736	4.4245	4.5412	.52123

#1	1.1535	.03432	.12280	-.00095	-.01755	.03431	.70478
#2	1.1556	.03487	.12296	-.00053	-.01869	.03217	.71000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04655	4.5457	.02798	.00643	.12981	.0056
SDev	.00016	.0221	.00064	.00000	.00075	.0048
%RSD	.35006	.48535	2.2850	.02789	.57740	85.13
#1	.04666	4.5301	.02843	.00644	.12928	.0090
#2	.04643	4.5613	.02753	.00643	.13034	.0022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507073-3 Operator: SW
Run Time: 07/14/05 10:35:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07447	.07808	.02389	-.00387	.00077	29.362	.51317
SDev	.00293	.00298	.00147	.00105	.00005	.088	.00007
%RSD	3.9277	3.8222	6.1569	27.276	6.1490	.30100	.01385
#1	.07240	.08019	.02285	-.00461	.00074	29.299	.51322
#2	.07653	.07597	.02493	-.00312	.00081	29.424	.51312
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00338	28.392	.00034	.02922	.05938	.13580	62.694
SDev	.00004	.305	.00002	.00038	.00094	.00033	.578
%RSD	1.1865	1.0734	5.7545	1.2888	1.5884	.24522	.92225
#1	.00336	28.177	.00033	.02895	.05871	.13557	62.285
#2	.00341	28.608	.00036	.02948	.06004	.13604	63.103
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	6.8624	9.0361	1.2682	4.0301	.06517	-.00186	.13033
SDev	.0194	.0873	.0095	.0058	.00028	.00217	.00062
%RSD	.28200	.96575	.74828	.14377	.42858	116.76	.47758

#1	6.8487	8.9744	1.2615	4.0260	.06497	-.00339	.12989
#2	6.8761	9.0978	1.2749	4.0342	.06537	-.00032	.13077
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.77995	.03915	.07687	.00537	-.01804	.04283	.62540
SDev	.01048	.00086	.00102	.00119	.00234	.00241	.00329
%RSD	1.3438	2.1987	1.3223	22.205	12.974	5.6246	.52671
#1	.77254	.03976	.07759	.00453	-.01969	.04113	.62307
#2	.78736	.03855	.07615	.00622	-.01638	.04454	.62773
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04717	8.4062	.02904	.00562	.11679	.0085
SDev	.00067	.0545	.00093	.00029	.00006	.0038
%RSD	1.4147	.64848	3.2059	5.1135	.04955	44.11
#1	.04670	8.3677	.02839	.00582	.11675	.0059
#2	.04764	8.4448	.02970	.00542	.11683	.0112
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507073-4 Operator: SW
Run Time: 07/14/05 10:38:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.03496	.03405	.01125	.00048	.00064	7.5372	.25619
SDev	.00050	.00006	.01085	.00217	.00020	.0243	.00039
%RSD	1.4176	.18689	96.375	452.95	31.462	.32246	.15194
#1	.03531	.03400	.01892	.00201	.00050	7.5200	.25592
#2	.03461	.03409	.00358	-.00105	.00078	7.5543	.25647
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00070	24.048	.00109	.00645	.02223	.06441	15.279
SDev	.00002	.157	.00002	.00010	.00013	.00021	.095
%RSD	2.3004	.65396	1.9854	1.5894	.57143	.32416	.62456

#1	.00069	23.937	.00111	.00638	.02214	.06426	15.212
#2	.00071	24.159	.00108	.00652	.02232	.06455	15.347
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	2.6322	3.4414	.31240	3.4790	.02285	-.00355	.03507
SDev	.0174	.0205	.00171	.0090	.00013	.00200	.00018
%RSD	.66233	.59542	.54836	.25999	.57357	56.437	.50697
#1	2.6199	3.4269	.31119	3.4726	.02294	-.00213	.03494
#2	2.6445	3.4559	.31361	3.4854	.02276	-.00496	.03519
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.22948	.01802	.03435	.00407	-.01776	.00986	.28707
SDev	.00211	.00125	.00012	.00506	.00097	.00122	.00091
%RSD	.92034	6.9566	.35687	124.38	5.4571	12.396	.31784
#1	.22799	.01714	.03444	.00764	-.01708	.01072	.28642
#2	.23097	.01891	.03427	.00049	-.01845	.00900	.28771
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05651	2.3789	.02530	.00419	.09494	.0146
SDev	.00053	.0039	.00196	.00029	.00012	.0042
%RSD	.93377	.16470	7.7525	6.8735	.12501	28.78
#1	.05614	2.3762	.02391	.00439	.09486	.0116
#2	.05688	2.3817	.02669	.00399	.09503	.0176
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507073-5 Operator: SW
Run Time: 07/14/05 10:41:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09727	.11049	.00941	-.00144	.00101	47.921	.76566
SDev	.00114	.00116	.00038	.00270	.00032	.170	.00206
%RSD	1.1693	1.0511	3.9911	187.54	31.638	.35563	.26872

#1	.09647	.10967	.00915	.00047	.00078	47.800	.76420
#2	.09808	.11131	.00968	-.00335	.00123	48.041	.76711
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00523	50.227	.00002	.04287	.07868	.15600	96.536
SDev	.00002	.221	.00021	.00052	.00066	.00031	.494
%RSD	.30468	.43972	1058.0	1.2075	.83638	.20111	.51143
#1	.00522	50.071	-.00013	.04250	.07822	.15578	96.187
#2	.00524	50.384	.00017	.04323	.07915	.15622	96.885
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	11.423	15.517	1.7957	5.5316	.09539	-.00020	.20507
SDev	.038	.079	.0073	.0209	.00110	.00153	.00080
%RSD	.33125	.50668	.40768	.37732	1.1529	780.61	.39208
#1	11.396	15.462	1.7905	5.5168	.09461	-.00128	.20450
#2	11.450	15.573	1.8008	5.5463	.09617	.00089	.20564
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.53725	.04654	.10609	.00217	L-.02147	.05453	.77955
SDev	.00250	.00072	.00115	.00168	.00037	.00030	.00333
%RSD	.46481	1.5422	1.0872	77.092	1.7079	.55097	.42662
#1	.53548	.04604	.10527	.00336	L-.02173	.05432	.77720
#2	.53901	.04705	.10690	.00099	L-.02121	.05474	.78190
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04581	13.064	.03073	.00908	.19220	.0182
SDev	.00013	.041	.00015	.00058	.00048	.0057
%RSD	.28793	.31546	.47896	6.3499	.24778	31.19
#1	.04572	13.035	.03063	.00868	.19186	.0142
#2	.04591	13.093	.03084	.00949	.19254	.0222
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00

Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507073-6 Operator: SW
Run Time: 07/14/05 10:44:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.06945	.06981	.01905	-.00474	.00040	16.512	.37682
SDev	.00106	.00238	.00304	.00046	.00016	.059	.00095
%RSD	1.5327	3.4054	15.943	9.5947	40.225	.35847	.25092
#1	.07020	.06813	.01691	-.00507	.00028	16.470	.37615
#2	.06870	.07150	.02120	-.00442	.00051	16.554	.37748
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00165	30.673	.00083	.01552	.03810	.10990	38.301
SDev	.00000	.171	.00009	.00048	.00053	.00028	.236
%RSD	.00123	.55888	11.267	3.1074	1.3823	.25198	.61536
#1	.00165	30.552	.00089	.01518	.03773	.10970	38.134
#2	.00165	30.794	.00076	.01586	.03848	.11009	38.467
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	5.2928	7.6977	.73216	4.5068	.04068	-.00534	.07865
SDev	.0224	.0427	.00358	.0136	.00133	.00013	.00009
%RSD	.42293	.55454	.48942	.30104	3.2667	2.3663	.11461
#1	5.2770	7.6675	.72963	4.4972	.03974	-.00525	.07858
#2	5.3087	7.7279	.73470	4.5164	.04162	-.00543	.07871
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.32341	.02535	.06969	.00318	L-.02067	.02490	.53673
SDev	.00243	.00186	.00123	.00131	.00166	.00000	.00281
%RSD	.75135	7.3203	1.7668	41.347	8.0096	.00000	.52267
#1	.32169	.02667	.06882	.00225	-.01950	.02490	.53474
#2	.32513	.02404	.07056	.00411	L-.02184	.02490	.53871
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000

Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04846	4.2211	.02852	.00715	.10768	.0042
SDev	.00014	.0072	.00083	.00014	.00028	.0074
%RSD	.28820	.17066	2.9246	1.9767	.26013	176.7
#1	.04837	4.2262	.02793	.00725	.10749	-.0010
#2	.04856	4.2160	.02911	.00705	.10788	.0094
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: EX050712-8MB Operator: SW
Run Time: 07/14/05 10:49:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00106	-.00252	.00765	-.00226	.00031	.03616	.01387
SDev	.00105	.00067	.00616	.00152	.00089	.00310	.00003
%RSD	99.179	26.625	80.473	67.232	285.59	8.5737	.25423
#1	.00032	-.00205	.00330	-.00119	.00094	.03836	.01389
#2	.00180	-.00300	.01201	-.00334	-.00032	.03397	.01384
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00003	.09668	.00009	.00004	.00055	.00012	.02330
SDev	.00002	.00101	.00010	.00059	.00072	.00006	.00686
%RSD	46.227	1.0398	117.02	1658.4	132.50	53.397	29.463
#1	.00005	.09739	.00016	.00045	.00106	.00017	.02815
#2	.00002	.09597	.00001	-.00038	.00003	.00007	.01845
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.18879	.01208	.00112	H150.07	.00104	-.00123	-.00016
SDev	.02274	.00582	.00010	.64	.00059	.00372	.00090
%RSD	12.043	48.188	8.6747	.42561	56.720	303.46	558.21
#1	.20487	.01619	.00119	H149.62	.00146	.00140	.00047
#2	.17272	.00796	.00105	H150.52	.00062	-.00386	-.00079
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	H.04625	.00092	-.00133	.00104	.00370	.00030	-.00001
SDev	.00045	.00287	.00010	.00103	.00005	.00184	.00021
%RSD	.96701	310.15	7.4084	99.760	1.2296	618.09	3451.2
#1	H.04657	.00295	-.00126	.00031	.00374	.00160	.00014
#2	H.04594	-.00110	-.00140	.00177	.00367	-.00100	-.00016
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02617	H.06398	.00247	-.00054	-.00028	-.0069
SDev	.00095	.00036	.00202	.00029	.00002	.0293
%RSD	3.6466	.55934	81.590	52.829	7.4768	427.1
#1	.02685	H.06373	.00390	-.00034	-.00027	.0139
#2	.02550	H.06424	.00105	-.00075	-.00030	-.0276
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/14/05 10:52:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50049	.50148	.49775	.50396	.50269	49.883	.47972
SDev	.00337	.00404	.00336	.00635	.00173	.118	.00138
%RSD	.67266	.80664	.67589	1.2597	.34368	.23574	.28873
#1	.50287	.49861	.49537	.49947	.50146	49.800	.47874
#2	.49811	.50434	.50013	.50845	.50391	49.966	.48070
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.51128	51.713	.49079	.48971	.48205	.49347	20.885
SDev	.00051	.006	.00093	.00007	.00077	.00115	.037
%RSD	.09869	.01125	.19000	.01449	.16032	.23269	.17509
#1	.51092	51.717	.49013	.48966	.48151	.49266	20.860
#2	.51164	51.709	.49145	.48976	.48260	.49428	20.911
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.194	50.605	.48512	20.358	.49120	.50030	.48892
SDev	.056	.059	.00077	.047	.00026	.00407	.00082
%RSD	.27671	.11659	.15978	.23180	.05351	.81295	.16751
#1	20.155	50.563	.48457	20.325	.49139	.49742	.48834
#2	20.234	50.646	.48567	20.391	.49102	.50317	.48949
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.49493	.50607	.50115	.50189	.51587	.72131	.49647
SDev	.00147	.00300	.00158	.00536	.00136	.03120	.00095
%RSD	.29791	.59352	.31467	1.0669	.26330	4.3254	.19134
#1	.49388	.50395	.50003	.49811	.51683	.74337	.49580
#2	.49597	.50819	.50226	.50568	.51491	.69925	.49714
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0118	.26192	.49438	.50428	.48748	9.722
SDev	.0039	.00076	.00112	.00196	.00113	.045
%RSD	.38511	.28970	.22646	.38848	.23194	.4670
#1	1.0090	.26246	.49517	.50289	.48668	9.690
#2	1.0146	.26138	.49359	.50566	.48828	9.754
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/14/05 10:56:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00152	-.00178	.00654	.00123	.00050	.04723	.00005
SDev	.00227	.00004	.00318	.00333	.00027	.00109	.00005
%RSD	149.47	2.4562	48.639	272.06	54.199	2.2988	93.460
#1	.00009	-.00174	.00879	-.00113	.00069	.04800	.00008
#2	-.00312	-.00181	.00429	.00358	.00031	.04646	.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00009	.03825	.00018	.00033	-.00017	-.00047	.01884
SDev	.00000	.00068	.00011	.00010	.00020	.00020	.00568
%RSD	.04381	1.7726	64.389	31.868	120.11	42.643	30.156
#1	.00009	.03873	.00026	.00025	-.00003	-.00033	.02286
#2	.00009	.03777	.00010	.00040	-.00031	-.00062	.01482
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.11808	.04089	-.00009	.10430	.00015	.00026	.00009
SDev	.01637	.00295	.00006	.00060	.00021	.00000	.00018
%RSD	13.866	7.2046	65.418	.57691	142.32	.94311	192.67
#1	.12966	.04297	-.00005	.10473	.00030	.00026	.00022
#2	.10651	.03881	-.00013	.10388	-.00000	.00027	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00006	-.00183	-.00169	.00300	.00222	-.00016	-.00031
SDev	.00019	.00113	.00078	.00117	.00298	.00060	.00027
%RSD	338.49	61.980	46.394	38.885	134.60	381.30	85.660
#1	-.00019	-.00103	-.00113	.00217	.00432	.00027	-.00012
#2	.00008	-.00263	-.00224	.00382	.00011	-.00059	-.00050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00053	.00051	.00008	-.00004	-.00045	.0014
SDev	.00034	.00187	.00068	.00043	.00003	.0117
%RSD	63.918	364.11	849.95	1056.5	6.6897	827.4
#1	.00078	.00183	-.00040	.00027	-.00043	.0097
#2	.00029	-.00081	.00056	-.00035	-.00048	-.0069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: EX050712-8LCS Operator: SW
Run Time: 07/14/05 10:59:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50921	.49673	2.0866	2.0517	.04854	1.8864	1.9177
SDev	.00008	.00062	.0039	.0075	.00007	.0073	.0035
%RSD	.01623	.12426	.18869	.36398	.14067	.38575	.18260
#1	.50926	.49629	2.0838	2.0464	.04849	1.8916	1.9202
#2	.50915	.49717	2.0894	2.0569	.04859	1.8813	1.9152
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05057	L.06185	.05026	.48987	.19077	.24893	.88141
SDev	.00011	.00000	.00046	.00084	.00065	.00031	.00141
%RSD	.20693	.00000	.91449	.17142	.34340	.12429	.15953
#1	.05049	L.06185	.04994	.48928	.19030	.24915	.88042
#2	.05064	L.06185	.05059	.49046	.19123	.24871	.88240
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	L.14409	L.00756	.48255	H146.00	.49834	.50235	.48823
SDev	.01264	.00056	.00068	.58	.00112	.00312	.00091
%RSD	8.7704	7.4110	.14029	.39589	.22400	.62110	.18552
#1	L.13516	L.00717	.48207	H146.41	.49913	.50014	.48758
#2	L.15303	L.00796	.48303	H145.59	.49755	.50455	.48887
Errors	LC Low	LC Low	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.53679	2.0571	.50089	2.0633	2.0866	.74899	.49406
SDev	.00186	.0021	.00038	.0063	.0015	.02501	.00005
%RSD	.34692	.10307	.07669	.30496	.06975	3.3398	.01017
#1	.53548	2.0586	.50061	2.0589	2.0855	.76668	.49403
#2	.53811	2.0556	.50116	2.0678	2.0876	.73130	.49410
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0359	1.8567	.47800	.99961	.47139	-.0125
SDev	.0024	.0001	.00221	.00361	.00080	.0103
%RSD	.22751	.00667	.46143	.36074	.17049	82.40
#1	1.0342	1.8567	.47956	.99706	.47196	-.0197
#2	1.0376	1.8568	.47644	1.0022	.47082	-.0052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: 0506217-12 Operator: SW
Run Time: 07/14/05 11:02:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00148	-.00130	.01723	.00305	.00029	.03400	.07810
SDev	.00003	.00027	.00034	.00536	.00024	.00052	.00021
%RSD	2.0708	20.577	1.9893	175.84	85.425	1.5193	.27109
#1	.00146	-.00111	.01699	.00683	.00011	.03364	.07825
#2	.00151	-.00149	.01747	-.00074	.00046	.03437	.07795
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00005	32.981	.00006	.00031	.00008	.00013	.01776
SDev	.00000	.034	.00000	.00010	.00019	.00000	.00309
%RSD	.04368	.10225	.84685	33.650	227.21	.61725	17.374
#1	.00005	32.957	.00006	.00023	-.00005	.00013	.01558
#2	.00005	33.005	.00006	.00038	.00022	.00013	.01994
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

SW 7/14/05

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.1922	1.1280	.12447	H147.80	.00086	-.00307	-.00009
SDev	.0074	.0031	.00009	1.57	.00013	.00188	.00009
%RSD	.62367	.27879	.07061	1.0597	15.292	61.021	98.052
#1	1.1870	1.1258	.12441	H148.91	.00095	-.00175	-.00015
#2	1.1975	1.1302	.12453	H146.69	.00076	-.00440	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02671	.00375	-.00037	.00777	.00502	.00115	.00032
SDev	.00006	.00056	.00017	.00346	.00015	.00125	.00011
%RSD	.23848	15.076	45.147	44.519	2.9031	108.44	35.918
#1	.02667	.00415	-.00025	.01021	.00492	.00027	.00024
#2	.02676	.00335	-.00049	.00532	.00513	.00204	.00040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

SW 7/14/05

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00812	.53018	.00230	.00182	.08516	-.0019
SDev	.00019	.00027	.00206	.00073	.00021	.0009
%RSD	2.3883	.05092	89.599	40.099	.25008	50.70
#1	.00798	.53037	.00084	.00234	.08531	-.0025
#2	.00826	.52999	.00375	.00130	.08501	-.0012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-12D Operator: SW
Run Time: 07/14/05 11:04:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00106	.00008	.00482	.00226	.00044	.03609	.07775
SDev	.00024	.00057	.00040	.00432	.00083	.00351	.00020
%RSD	22.504	725.26	8.3139	191.48	189.89	9.7286	.25720
#1	-.00089	.00048	.00454	.00532	.00103	.03857	.07761
#2	-.00122	-.00033	.00511	-.00080	-.00015	.03361	.07789
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00004	32.940	.00016	.00033	.00102	-.00031	.02119
SDev	.00001	.224	.00031	.00104	.00070	.00037	.00969
%RSD	19.839	.67885	190.27	317.27	68.867	119.66	45.747
#1	.00005	33.098	.00038	.00107	.00152	-.00005	.02805
#2	.00003	32.782	-.00006	-.00041	.00052	-.00057	.01434
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.1839	1.1264	.12479	H147.09	.00148	.00138	-.00009
SDev	.0175	.0062	.00033	.12	.00000	.00459	.00045
%RSD	1.4747	.54965	.26604	.07893	.09161	333.99	491.74
#1	1.1962	1.1308	.12503	H147.01	.00148	.00462	.00023
#2	1.1715	1.1220	.12456	H147.18	.00148	-.00187	-.00041
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.03341	.00120	-.00030	.00311	.00013	.00181	-.00006
SDev	.00083	.00029	.00046	.00275	.00031	.00218	.00027
%RSD	2.4871	23.856	154.33	88.375	243.75	120.41	428.92
#1	.03399	.00140	.00003	.00506	.00035	.00335	.00013
#2	.03282	.00100	-.00063	.00117	-.00009	.00027	-.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00720	.52498	.00296	-.00012	.08492	.0096
SDev	.00033	.00045	.00113	.00115	.00024	.0267
%RSD	4.6338	.08650	38.281	941.53	.28306	279.0
#1	.00744	.52531	.00376	.00069	.08475	.0285
#2	.00696	.52466	.00216	-.00094	.08509	-.0093
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-12 Operator: SW
Run Time: 07/14/05 11:08:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00087	-.00062	.00246	.00175	.00067	.03538	.07761
SDev	.00130	.00020	.00185	.00099	.00006	.00092	.00025
%RSD	149.52	31.630	75.217	56.331	8.5164	2.6058	.31827
#1	-.00005	-.00076	.00115	.00245	.00071	.03472	.07744
#2	.00179	-.00048	.00378	.00105	.00063	.03603	.07779
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00005	32.984	.00013	.00035	.00035	.00019	.02493
SDev	.00002	.093	.00002	.00031	.00014	.00007	.00107
%RSD	47.074	.28255	11.583	88.494	40.301	38.158	4.2802
#1	.00003	32.918	.00014	.00013	.00025	.00014	.02418
#2	.00007	33.050	.00012	.00057	.00046	.00024	.02569
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.1952	1.1284	.12440	H145.53	.00149	-.00022	.00041
SDev	.0083	.0049	.00028	.25	.00005	.00276	.00009
%RSD	.69814	.43547	.22763	.17190	3.2639	1255.9	21.906
#1	1.1893	1.1250	.12420	H145.36	.00153	.00173	.00048
#2	1.2011	1.1319	.12460	H145.71	.00146	-.00217	.00035
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02716	.00346	-.00012	.00199	.00305	.00138	.00037
SDev	.00006	.00092	.00056	.00004	.00098	.00031	.00011
%RSD	.23635	26.726	459.09	2.0376	32.291	22.630	30.445
#1	.02721	.00411	-.00052	.00202	.00235	.00160	.00029
#2	.02712	.00280	.00028	.00196	.00375	.00116	.00045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00758	.52954	.00275	.00006	.08469	.0151
SDev	.00024	.00301	.00054	.00029	.00007	.0017
%RSD	3.1715	.56777	19.580	473.30	.08622	11.16
#1	.00775	.52741	.00237	.00027	.08463	.0163
#2	.00741	.53166	.00313	-.00015	.08474	.0139
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-12L 5X Operator: SW
Run Time: 07/14/05 11:10:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00149	-.00245	.01013	-.00140	.00040	.02066	.01614
SDev	.00048	.00033	.00408	.00204	.00030	.00104	.00002
%RSD	32.071	13.576	40.315	145.23	75.737	5.0390	.14567
#1	.00115	-.00269	.00724	.00004	.00062	.02140	.01615
#2	.00183	-.00222	.01302	-.00285	.00019	.01992	.01612
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00001	6.5585	.00009	-.00023	-.00024	-.00015	.01324
SDev	.00002	.0195	.00007	.00007	.00005	.00017	.00283
%RSD	137.80	.29755	82.471	30.177	21.993	115.04	21.377
#1	.00002	6.5723	.00014	-.00028	-.00021	-.00003	.01524
#2	.00000	6.5447	.00004	-.00018	-.00028	-.00027	.01124
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.35664	.24201	.02617	26.017	.00072	-.00145	-.00028
SDev	.00791	.00251	.00007	.030	.00000	.00297	.00018
%RSD	2.2180	1.0393	.26083	.11678	.01279	205.17	62.249
#1	.36224	.24379	.02622	25.996	.00072	-.00355	-.00016
#2	.35105	.24023	.02612	26.039	.00072	.00065	-.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00844	.00069	-.00114	.00244	.00416	.00027	-.00016
SDev	.00006	.00068	.00038	.00000	.00128	.00063	.00004
%RSD	.75606	98.703	33.525	.02083	30.806	229.16	27.458
#1	.00849	.00117	-.00141	.00244	.00507	.00071	-.00013
#2	.00840	.00021	-.00087	.00244	.00326	-.00017	-.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00186	.10839	.00119	-.00044	.01732	-.0003
SDev	.00030	.00024	.00079	.00069	.00002	.0075
%RSD	16.301	.22089	66.074	156.90	.08763	2991.
#1	.00207	.10856	.00174	-.00093	.01734	.0051
#2	.00164	.10822	.00063	.00005	.01731	-.0056
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-12MS Operator: SW
Run Time: 07/14/05 11:12:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50641	.50173	2.0850	2.0645	.04877	1.8628	1.9539
SDev	.00067	.00232	.0014	.0071	.00039	.0036	.0028
%RSD	.13257	.46154	.06488	.34601	.80541	.19084	.14458
#1	.50594	.50009	2.0840	2.0696	.04849	1.8603	1.9559
#2	.50689	.50337	2.0859	2.0595	.04905	1.8653	1.9519
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05111	33.088	.04953	.48650	.18865	.24787	.86585
SDev	.00018	.202	.00055	.00095	.00109	.00014	.00511
%RSD	.36221	.60926	1.1009	.19484	.57567	.05664	.59007
#1	.05098	32.945	.04915	.48583	.18788	.24797	.86223
#2	.05125	33.230	.04992	.48718	.18941	.24777	.86946
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.1883	1.1279	.60136	H147.59	.49073	.49843	.48601
SDev	.0197	.0087	.00210	.25	.00362	.00088	.00154
%RSD	1.6605	.77546	.34971	.17250	.73692	.17674	.31792
#1	1.1743	1.1218	.59987	H147.41	.48818	.49781	.48492
#2	1.2022	1.1341	.60284	H147.77	.49329	.49905	.48710
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.51464	2.0525	.50329	2.0713	2.0613	.75607	.49206
SDev	.00289	.0024	.00177	.0043	.0084	.00088	.00090
%RSD	.56104	.11485	.35132	.20828	.40955	.11676	.18344
#1	.51260	2.0541	.50204	2.0744	2.0553	.75669	.49142
#2	.51668	2.0508	.50454	2.0683	2.0673	.75544	.49270
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0123	2.3590	.47824	.99589	.55086	-.0051
SDev	.0017	.0046	.00010	.00749	.00050	.0198
%RSD	.17056	.19606	.02129	.75197	.09078	387.4
#1	1.0111	2.3557	.47817	.99060	.55121	-.0191
#2	1.0136	2.3623	.47832	1.0012	.55050	.0089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-12MSD Operator: SW
Run Time: 07/14/05 11:14:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50449	.50323	2.0922	2.0720	.04861	1.8466	1.9436
SDev	.00631	.00210	.0014	.0058	.00028	.0058	.0035
%RSD	1.2505	.41692	.06761	.28214	.57073	.31226	.17963
#1	.50003	.50471	2.0932	2.0679	.04880	1.8506	1.9460
#2	.50895	.50174	2.0912	2.0762	.04841	1.8425	1.9411
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05141	32.968	.05025	.48769	.19008	.24633	.87284
SDev	.00012	.116	.00012	.00011	.00020	.00003	.00747
%RSD	.23523	.35164	.23103	.02168	.10557	.01258	.85558
#1	.05133	32.886	.05033	.48762	.18994	.24630	.86756
#2	.05150	33.050	.05017	.48777	.19022	.24635	.87812
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.1835	1.1230	.60230	H143.97	.49326	.50138	.48723
SDev	.0149	.0002	.00117	.06	.00051	.00038	.00018
%RSD	1.2571	.01750	.19416	.04279	.10324	.07616	.03761
#1	1.1730	1.1229	.60147	H143.93	.49362	.50111	.48710
#2	1.1941	1.1231	.60312	H144.02	.49290	.50165	.48736
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.52322	2.0530	.50365	2.0788	2.0643	.67739	.49233
SDev	.00167	.0013	.00070	.0034	.0057	.04622	.00043
%RSD	.31891	.06410	.13927	.16493	.27479	6.8238	.08675
#1	.52204	2.0521	.50315	2.0763	2.0683	.64470	.49203
#2	.52440	2.0539	.50415	2.0812	2.0603	.71007	.49263
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0177	2.3826	.48040	1.0024	.54843	.0146
SDev	.0021	.0034	.00138	.0025	.00091	.0159
%RSD	.20941	.14215	.28663	.24824	.16603	109.3
#1	1.0161	2.3802	.48137	1.0006	.54908	.0258
#2	1.0192	2.3850	.47942	1.0041	.54779	.0033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-13 Operator: SW
Run Time: 07/14/05 11:18:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00208	-.00023	.00819	.00262	.00086	.02721	.07998
SDev	.00033	.00236	.00040	.00160	.00035	.00109	.00021
%RSD	15.765	1043.4	4.9483	60.986	40.701	3.9890	.26474
#1	-.00231	-.00189	.00791	.00149	.00062	.02644	.07983
#2	-.00185	.00144	.00848	.00375	.00111	.02798	.08013
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00007	65.231	.00114	.00090	.00036	.00258	.01340
SDev	.00000	.119	.00011	.00038	.00022	.00020	.00036
%RSD	.14837	.18187	9.4734	42.673	61.996	7.7045	2.6992
#1	.00007	65.147	.00106	.00063	.00020	.00244	.01366
#2	.00007	65.315	.00121	.00117	.00052	.00272	.01315
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.4152	1.2212	.09644	H142.87	.00239	.00271	.00218
SDev	.0086	.0054	.00013	.01	.00079	.00130	.00045
%RSD	.60425	.44298	.13158	.00702	32.978	48.036	20.584
#1	1.4091	1.2174	.09635	H142.88	.00183	.00363	.00187
#2	1.4212	1.2251	.09653	H142.87	.00294	.00179	.00250
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.19343	.00462	-.00084	.00448	.00336	.00422	.00024
SDev	.00083	.00051	.00168	.00120	.00271	.00247	.00008
%RSD	.43049	11.097	199.26	26.840	80.490	58.447	31.669
#1	.19284	.00498	-.00203	.00363	.00145	.00248	.00029
#2	.19402	.00426	.00035	.00533	.00528	.00596	.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04479	.22939	.00289	.00214	.13664	.0277
SDev	.00033	.00039	.00005	.00030	.00008	.0162
%RSD	.72765	.17138	1.8068	13.902	.05799	58.35
#1	.04502	.22967	.00286	.00193	.13658	.0163
#2	.04456	.22911	.00293	.00235	.13669	.0391
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-14 Operator: SW
Run Time: 07/14/05 11:20:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00217	.00287	.00319	.00098	.00081	.03604	.07583
SDev	.00039	.00008	.00833	.00319	.00021	.00000	.00001
%RSD	17.994	2.8038	261.20	324.70	25.547	.00867	.01551
#1	-.00190	.00281	.00908	-.00127	.00096	.03604	.07583
#2	-.00245	.00292	-.00270	.00323	.00066	.03604	.07584
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00002	37.937	.00028	.00144	.00016	-.00041	.02555
SDev	.00000	.047	.00001	.00004	.00008	.00007	.00283
%RSD	.00282	.12422	2.3881	2.4805	51.507	17.201	11.064
#1	.00002	37.904	.00029	.00147	.00010	-.00036	.02755
#2	.00002	37.971	.00028	.00141	.00022	-.00047	.02355
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.1533	.82805	.17129	H141.80	.00160	.00184	.00111
SDev	.0078	.00167	.00029	.29	.00007	.00423	.00000
%RSD	.67252	.20112	.17113	.20694	4.0953	229.76	.21629
#1	1.1479	.82687	.17108	H142.01	.00155	-.00115	.00112
#2	1.1588	.82923	.17150	H141.59	.00165	.00483	.00111
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.09027	.00384	.00119	.00172	.00221	.00269	.00008
SDev	.00026	.00183	.00008	.00065	.00014	.00031	.00001
%RSD	.28357	47.517	6.4475	37.788	6.3873	11.489	10.751
#1	.09009	.00513	.00124	.00218	.00211	.00291	.00008
#2	.09045	.00255	.00113	.00126	.00230	.00248	.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04814	.23514	.00268	.00286	.09277	.0194
SDev	.00015	.00034	.00005	.00073	.00006	.0007
%RSD	.32240	.14602	1.8211	25.419	.06233	3.730
#1	.04803	.23539	.00272	.00337	.09273	.0189
#2	.04825	.23490	.00265	.00234	.09281	.0199
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-15 Operator: SW
Run Time: 07/14/05 11:22:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00314	-.00023	.00766	.00128	.00035	.03954	.11276
SDev	.00359	.00100	.00396	.00447	.00005	.00010	.00016
%RSD	114.45	436.73	51.642	350.28	14.573	.26339	.14612
#1	-.00568	.00048	.01046	.00443	.00031	.03947	.11288
#2	-.00060	-.00093	.00486	-.00188	.00038	.03961	.11265
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00000	18.822	.00010	-.00037	-.00000	-.00111	.01906
SDev	.00000	.032	.00001	.00024	.00002	.00041	.00862
%RSD	.00000	.17036	5.8185	65.361	988.46	36.590	45.229
#1	.00000	18.799	.00010	-.00055	-.00002	-.00140	.01297
#2	.00000	18.845	.00011	-.00020	.00001	-.00082	.02516
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.71535	.56862	.03192	H141.71	.00038	-.00102	-.00003
SDev	.00880	.00068	.00000	.86	.00002	.00128	.00000
%RSD	1.2298	.12014	.00000	.61007	4.2242	125.13	6.9770
#1	.70913	.56814	.03192	H142.32	.00039	-.00012	-.00004
#2	.72157	.56910	.03192	H141.10	.00037	-.00193	-.00003
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02608	.00187	-.00120	.00340	.00077	.00049	-.00005
SDev	.00006	.00229	.00053	.00430	.00128	.00094	.00028
%RSD	.24761	122.93	44.400	126.33	166.26	189.85	568.08
#1	.02613	.00024	-.00157	.00644	-.00013	-.00017	-.00025
#2	.02603	.00349	-.00082	.00036	.00167	.00116	.00015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02996	.57949	.00178	-.00103	.08149	.0006
SDev	.00006	.00011	.00044	.00069	.00011	.0001
%RSD	.20717	.01881	24.798	67.145	.13066	14.71
#1	.03001	.57942	.00147	-.00152	.08157	.0006
#2	.02992	.57957	.00209	-.00054	.08142	.0005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/14/05 11:24:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50137	.50420	.51420	.50935	.50223	49.959	.48484
SDev	.00074	.00269	.00435	.00188	.00013	.141	.00221
%RSD	.14742	.53425	.84548	.37012	.02490	.28146	.45664
#1	.50189	.50230	.51112	.50801	.50214	49.860	.48328
#2	.50085	.50611	.51727	.51068	.50232	50.059	.48641
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.51515	52.534	.49983	.49087	.48334	.49153	20.983
SDev	.00046	.109	.00001	.00038	.00028	.00199	.003
%RSD	.08846	.20753	.00134	.07807	.05810	.40580	.01507
#1	.51483	52.612	.49984	.49060	.48353	.49012	20.985
#2	.51547	52.457	.49983	.49114	.48314	.49294	20.981
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.929	50.794	.48794	20.092	.49842	.50902	.49182
SDev	.079	.022	.00042	.057	.00048	.00098	.00072
%RSD	.39655	.04425	.08646	.28298	.09552	.19283	.14660
#1	19.873	50.810	.48764	20.052	.49876	.50972	.49131
#2	19.985	50.778	.48823	20.133	.49808	.50833	.49233
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50005	.51329	.50326	.51096	.51729	.66386	.49893
SDev	.00218	.00429	.00155	.00270	.00118	.05477	.00092
%RSD	.43693	.83615	.30811	.52942	.22726	8.2499	.18434
#1	.50160	.51633	.50216	.50905	.51646	.62513	.49828
#2	.49851	.51026	.50435	.51288	.51812	.70258	.49958
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0146	.25918	.49363	.50594	.49271	9.986
SDev	.0020	.00102	.00176	.00056	.00175	.028
%RSD	.19393	.39202	.35670	.11171	.35584	.2828
#1	1.0132	.25989	.49488	.50554	.49147	9.966
#2	1.0160	.25846	.49239	.50634	.49395	10.01
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Analysis Report Blank Sample 07/14/05 11:31:50 AM page 1

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/14/05 11:29:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00110	-.00119	.00449	.00054	.00077	.04140	.00008
SDev	.00061	.00037	.00831	.00133	.00023	.00190	.00005
%RSD	55.042	31.501	184.95	245.04	30.236	4.5949	56.272
#1	-.00153	-.00093	-.00138	-.00040	.00060	.04005	.00005
#2	-.00067	-.00146	.01037	.00149	.00093	.04274	.00012
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00013	.03627	.00031	.00013	.00011	-.00080	.01922
SDev	.00002	.00155	.00001	.00024	.00001	.00020	.00684
%RSD	12.771	4.2641	1.9549	188.03	6.9674	25.273	35.606
#1	.00011	.03517	.00031	-.00004	.00012	-.00095	.01438
#2	.00014	.03736	.00032	.00030	.00010	-.00066	.02406
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.19381	.03491	-.00004	.12595	-.00002	.00148	-.00003
SDev	.01599	.00266	.00007	.00026	.00003	.00045	.00036
%RSD	8.2502	7.6091	165.79	.20555	132.62	30.383	1103.0
#1	.18250	.03304	-.00009	.12613	-.00000	.00180	-.00029
#2	.20511	.03679	.00001	.12577	-.00005	.00116	.00022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00001	.00128	-.00116	.00186	.00471	.00116	-.00017
SDev	.00026	.00097	.00005	.00365	.00111	.00062	.00025
%RSD	2134.1	75.189	4.1022	196.68	23.580	54.029	148.93
#1	-.00019	.00060	-.00113	-.00073	.00550	.00160	-.00035
#2	.00017	.00197	-.00120	.00444	.00393	.00071	.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00108	-.00067	.00039	-.00074	-.00040	.0067
SDev	.00005	.00012	.00044	.00000	.00004	.0107
%RSD	4.2996	17.712	112.66	.52537	9.0557	160.0
#1	.00105	-.00058	.00008	-.00074	-.00043	-.0009
#2	.00112	-.00075	.00071	-.00073	-.00038	.0143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: 0506217-16 Operator: SW
Run Time: 07/14/05 11:31:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00078	.00538	-.00122	.00096	.00050	.05984	.09769
SDev	.00036	.00079	.00173	.00075	.00002	.00056	.00012
%RSD	46.578	14.596	141.48	78.766	2.9132	.93200	.12044
#1	.00052	.00594	.00000	.00042	.00049	.06023	.09760
#2	.00104	.00483	-.00244	.00149	.00051	.05944	.09777
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00002	19.410	.00030	.00149	.00102	.00175	.04133
SDev	.00001	.068	.00012	.00017	.00004	.00010	.00345
%RSD	46.787	.35051	39.053	11.696	4.1533	5.7241	8.3438
#1	.00002	19.362	.00021	.00162	.00105	.00182	.04377
#2	.00001	19.459	.00038	.00137	.00099	.00168	.03889
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.7681	.93015	.23094	H143.60	.00242	-.00009	.00016
SDev	.0095	.00235	.00053	.65	.00057	.00066	.00009
%RSD	.53508	.25307	.22865	.45593	23.688	753.51	53.407
#1	1.7614	.92849	.23056	H144.06	.00283	.00038	.00010
#2	1.7748	.93181	.23131	H143.14	.00202	-.00055	.00022
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.13494	.00199	.00385	.00023	.00477	.00226	.00018
SDev	.00006	.00059	.00040	.00007	.00028	.00093	.00005
%RSD	.04752	29.503	10.467	31.420	5.9258	41.254	25.366
#1	.13489	.00241	.00413	.00028	.00497	.00160	.00021
#2	.13498	.00158	.00356	.00018	.00457	.00291	.00014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07744	.56601	.00185	.00047	.06622	.0024
SDev	.00016	.00089	.00093	.00060	.00004	.0071
%RSD	.21044	.15715	50.467	126.55	.05510	290.3
#1	.07756	.56664	.00251	.00089	.06620	.0075
#2	.07733	.56538	.00119	.00005	.06625	-.0026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-18 Operator: SW
Run Time: 07/14/05 11:33:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00196	.00008	.00371	.00052	.00050	.02825	.13062
SDev	.00183	.00124	.00075	.00049	.00034	.00095	.00027
%RSD	93.434	1474.5	20.143	93.431	68.475	3.3700	.20730
#1	-.00325	.00096	.00424	.00087	.00074	.02892	.13043
#2	-.00066	-.00079	.00318	.00018	.00026	.02758	.13081
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00002	47.773	.00016	.00057	.00016	-.00085	.01917
SDev	.00000	.014	.00014	.00010	.00010	.00005	.00148
%RSD	.17485	.02841	91.487	18.350	63.628	5.4849	7.7111
#1	.00002	47.763	.00026	.00064	.00009	-.00081	.02021
#2	.00002	47.782	.00006	.00049	.00023	-.00088	.01812
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.7826	1.1930	.41041	H144.09	.00081	.00144	.00047
SDev	.0015	.0013	.00046	.21	.00013	.00203	.00018
%RSD	.08289	.10716	.11225	.14612	16.194	141.50	38.123
#1	1.7836	1.1921	.41008	H144.24	.00090	.00288	.00060
#2	1.7815	1.1939	.41073	H143.94	.00072	-.00000	.00034
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.02983	.00387	-.00060	.00158	.00052	.00248	-.00010
SDev	.00026	.00188	.00022	.00057	.00142	.00000	.00002
%RSD	.85763	48.467	36.431	36.253	274.11	.00000	17.143
#1	.03001	.00255	-.00044	.00199	.00153	.00248	-.00011
#2	.02965	.00520	-.00075	.00118	-.00049	.00248	-.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03002	.49947	.00289	-.00073	.11841	.0105
SDev	.00031	.00097	.00083	.00000	.00022	.0080
%RSD	1.0339	.19495	28.781	.39473	.19035	76.70
#1	.03024	.49878	.00230	-.00073	.11825	.0162
#2	.02980	.50016	.00348	-.00074	.11857	.0048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-19 Operator: SW
Run Time: 07/14/05 11:35:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00149	-.00023	.00616	-.00282	.00029	.13437	.08077
SDev	.00389	.00236	.00908	.00332	.00033	.00047	.00002
%RSD	261.64	1022.0	147.50	117.85	113.92	.35084	.02913
#1	.00127	-.00190	.01258	-.00517	.00006	.13404	.08078
#2	-.00424	.00144	-.00026	-.00047	.00052	.13470	.08075
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00001	15.270	.00007	.00156	.00002	-.00084	.05667
SDev	.00001	.034	.00008	.00014	.00019	.00010	.00252
%RSD	141.12	.22149	106.01	8.8757	898.71	11.578	4.4520
#1	-.00001	15.246	.00002	.00146	-.00012	-.00077	.05846
#2	-.00000	15.294	.00013	.00166	.00016	-.00091	.05489
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.87417	.47706	.05014	H141.30	.00300	.00106	.00079
SDev	.01147	.00244	.00002	.54	.00038	.00184	.00027
%RSD	1.3118	.51048	.03891	.38104	12.562	173.22	33.919
#1	.86607	.47534	.05015	H140.92	.00274	-.00024	.00060
#2	.88228	.47879	.05012	H141.68	.00327	.00237	.00098
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.05675	.00353	-.00065	.00017	.00037	.00138	-.00013
SDev	.00032	.00123	.00028	.00081	.00183	.00093	.00008
%RSD	.56395	34.931	42.838	476.15	493.36	67.990	59.026
#1	.05652	.00440	-.00085	.00074	.00166	.00071	-.00007
#2	.05697	.00266	-.00045	-.00040	-.00092	.00204	-.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05237	.22723	.00147	.00027	.06557	.0022
SDev	.00029	.00058	.00088	.00058	.00018	.0103
%RSD	.54828	.25555	60.287	219.31	.28288	476.1
#1	.05216	.22764	.00084	.00068	.06570	-.0051
#2	.05257	.22682	.00209	-.00015	.06544	.0095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0506217-20 Operator: SW
Run Time: 07/14/05 11:37:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	-.00219	.00126	.00034	.00047	.00090	.13338	.04151
SDev	.00168	.00091	.00006	.00141	.00007	.00085	.00018
%RSD	76.406	72.218	17.729	297.02	7.5315	.63905	.42483
#1	-.00338	.00062	.00030	.00147	.00085	.13278	.04163
#2	-.00101	.00191	.00039	-.00052	.00095	.13398	.04138
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00001	7.0952	.00031	.00046	.00052	.00256	.05872
SDev	.00002	.0544	.00000	.00021	.00010	.00046	.00883
%RSD	141.62	.76715	.42857	45.441	18.387	17.991	15.042
#1	-.00002	7.0567	.00031	.00031	.00045	.00224	.05248
#2	.00000	7.1337	.00031	.00061	.00059	.00289	.06497
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	1.6027	.70623	.04581	H139.54	.00138	.00094	.00085
SDev	.0214	.00538	.00026	.18	.00018	.00013	.00000
%RSD	1.3368	.76166	.57488	.13192	13.101	14.324	.25767
#1	1.5875	.70243	.04563	H139.67	.00125	.00084	.00085
#2	1.6178	.71004	.04600	H139.41	.00151	.00103	.00085
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04620	.00282	.00011	.00043	.00250	.00204	.00196
SDev	.00038	.00028	.00117	.00092	.00085	.00062	.00026
%RSD	.82949	10.049	1031.9	213.21	33.939	30.488	13.464
#1	.04593	.00262	-.00071	.00108	.00190	.00160	.00177
#2	.04647	.00302	.00094	-.00022	.00310	.00248	.00214
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03239	.62152	.00241	-.00043	.08337	.0196
SDev	.00038	.00109	.00044	.00070	.00025	.0012
%RSD	1.1737	.17483	18.351	160.29	.29922	6.041

#1	.03213	.62075	.00272	-.00093	.08355	.0205
#2	.03266	.62229	.00209	.00006	.08320	.0188

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: IP050711-4MB Operator: SW
Run Time: 07/14/05 11:43:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00210	-.00008	.00331	.00170	.00042	.02301	-.00002
SDev	.00114	.00116	.00443	.00008	.00007	.00011	.00001
%RSD	54.241	1484.8	134.08	4.5632	16.119	.49634	47.984
#1	-.00130	-.00090	.00017	.00176	.00047	.02293	-.00003
#2	-.00291	.00074	.00644	.00165	.00038	.02309	-.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	-.00009	.02601	-.00002	-.00053	.00026	-.00137	.03683
SDev	.00000	.00010	.00002	.00028	.00016	.00011	.00805
%RSD	.02201	.36668	96.192	52.048	59.976	7.9185	21.845
#1	-.00009	.02608	-.00004	-.00073	.00037	-.00129	.04252
#2	-.00009	.02594	-.00001	-.00034	.00015	-.00145	.03114
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.09496	.00995	.00011	.12329	-.00005	-.00029	-.00022
SDev	.02205	.00038	.00001	.00126	.00010	.00096	.00009
%RSD	23.220	3.7679	8.8228	1.0215	203.42	332.82	40.057
#1	.07937	.01021	.00012	.12418	-.00012	-.00097	-.00029
#2	.11056	.00968	.00010	.12240	.00002	.00039	-.00016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00153	-.00034	-.00075	.00224	.00111	.00029	-.00025
SDev	.00013	.00134	.00039	.00142	.00057	.00123	.00001
%RSD	8.3851	389.65	52.327	63.669	51.435	431.67	5.4783
#1	.00144	.00060	-.00103	.00123	.00070	.00116	-.00024
#2	.00162	-.00129	-.00047	.00324	.00151	-.00059	-.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00131	.00720	.00608	-.00045	-.00057	-.0036
SDev	.00000	.00066	.00054	.00014	.00001	.0029
%RSD	.00000	9.1652	8.8648	30.872	2.1476	80.94
#1	.00131	.00767	.00646	-.00035	-.00056	-.0057
#2	.00131	.00673	.00569	-.00054	-.00057	-.0016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: IP050711-4LCS Operator: SW
Run Time: 07/14/05 11:45:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.51227	.51589	2.0207	2.0034	.04915	1.8671	2.0375
SDev	.00094	.00215	.0013	.0002	.00031	.0117	.0096
%RSD	.18446	.41719	.06557	.01215	.63401	.62606	.47133
#1	.51294	.51741	2.0217	2.0036	.04893	1.8588	2.0307
#2	.51160	.51437	2.0198	2.0033	.04937	1.8754	2.0443
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05230	L.07095	.05225	.50713	.20092	.25727	.93939
SDev	.00015	.00020	.00005	.00140	.00098	.00170	.00375
%RSD	.29228	.27987	.09736	.27628	.48878	.66042	.39967
#1	.05219	L.07109	.05229	.50614	.20023	.25606	.93673
#2	.05240	L.07081	.05221	.50812	.20162	.25847	.94204
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	L.10420	L.00882	.51038	L.12416	.52293	.51250	.51127
SDev	.01293	.00009	.00157	.00167	.00148	.00774	.00171
%RSD	12.406	1.0609	.30769	1.3480	.28321	1.5098	.33492
#1	L.11334	L.00875	.50927	L.12534	.52188	.51797	.51006
#2	L.09505	L.00889	.51149	L.12297	.52397	.50703	.51248
Errors	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50858	2.0371	.51469	2.0092	2.0337	.50885	.52141
SDev	.00147	.0124	.00175	.0006	.0090	.01592	.00204
%RSD	.28945	.61077	.34006	.03003	.44344	3.1291	.39180
#1	.50754	2.0283	.51592	2.0096	2.0274	.49760	.51997
#2	.50962	2.0459	.51345	2.0088	2.0401	.52011	.52286
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0110	L1.4890	.48042	1.0154	.50016	-.0032
SDev	.0070	.0058	.00211	.0057	.00209	.0002
%RSD	.68929	.38711	.43897	.55944	.41778	7.696
#1	1.0061	L1.4849	.47893	1.0114	.49869	-.0031
#2	1.0159	L1.4931	.48191	1.0194	.50164	-.0034
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: IP050711-4LCSD Operator: SW
Run Time: 07/14/05 11:47:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.51393	.52335	2.0313	2.0301	.04905	1.8675	2.0403
SDev	.00011	.00359	.0029	.0056	.00063	.0026	.0004
%RSD	.02092	.68536	.14335	.27584	1.2832	.13815	.01845
#1	.51401	.52588	2.0333	2.0262	.04860	1.8657	2.0400
#2	.51386	.52081	2.0292	2.0341	.04949	1.8693	2.0406
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.06000	2.4000	2.4000
Low					.04000	1.6000	1.6000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.05256	L.02702	.05233	.50815	.20135	.25763	.92627
SDev	.00022	.00038	.00052	.00234	.00108	.00036	.00334
%RSD	.41302	1.4139	1.0013	.46018	.53507	.13928	.36066
#1	.05240	L.02675	.05196	.50649	.20059	.25737	.92391
#2	.05271	L.02729	.05270	.50980	.20211	.25788	.92863
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	48.000	.06000	.60000	.24000	.30000	1.2000
Low	.04000	32.000	.04000	.40000	.16000	.20000	.80000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	L.10421	L.01048	.51152	L.12056	.52397	.51168	.51160
SDev	.01005	.00244	.00178	.00045	.00349	.00355	.00305
%RSD	9.6479	23.260	.34732	.37189	.66553	.69310	.59539
#1	L.09710	L.00875	.51026	L.12088	.52151	.50917	.50944
#2	L.11132	L.01220	.51277	L.12024	.52644	.51418	.51375
Errors	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	48.000	48.000	.60000	48.000	.60000	.60000	.60000
Low	32.000	32.000	.40000	32.000	.40000	.40000	.40000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50853	2.0503	.52021	2.0305	2.0485	.49655	.52260
SDev	.00359	.0040	.00243	.0028	.0053	.01150	.00114
%RSD	.70654	.19651	.46677	.13621	.25709	2.3163	.21790
#1	.50599	2.0474	.52193	2.0286	2.0522	.50468	.52179
#2	.51107	2.0531	.51849	2.0325	2.0448	.48842	.52340
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.60000	2.4000	.60000	2.4000	2.4000		.60000
Low	.40000	1.6000	.40000	1.6000	1.6000		.40000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0195	L1.5058	.48184	1.0195	.50116	-.0034
SDev	.0020	.0054	.00049	.0040	.00021	.0153
%RSD	.19301	.35562	.10238	.39466	.04121	450.7
#1	1.0181	L1.5020	.48149	1.0167	.50101	-.0142
#2	1.0209	L1.5095	.48219	1.0224	.50130	.0074
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.2000	2.4000	.60000	1.2000	.60000	
Low	.80000	1.6000	.40000	.80000	.40000	

Method: 30EL Sample Name: 0507014-1 Operator: SW
Run Time: 07/14/05 11:49:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.12511	.14905	-.00143	.01059	.00078	76.257	1.4414
SDev	.00029	.00091	.00741	.00517	.00016	.127	.0040
%RSD	.23190	.61108	518.25	48.761	20.997	.16719	.27859
#1	.12490	.14970	.00381	.01424	.00066	76.347	1.4443
#2	.12532	.14841	-.00667	.00694	.00089	76.167	1.4386
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

SW 7/14/05

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00627	27.765	-.00226	.03660	.05339	.05327	126.33
SDev	.00000	.092	.00019	.00017	.00028	.00022	.23
%RSD	.00093	.33044	8.5816	.47142	.52380	.40749	.18530
#1	.00627	27.700	-.00240	.03672	.05319	.05343	126.16
#2	.00627	27.830	-.00213	.03648	.05358	.05312	126.49
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	44.440	19.629	4.9021	1.0555	.05238	.00715	.18783
SDev	.127	.045	.0081	.0036	.00031	.00070	.00026
%RSD	.28525	.23090	.16509	.34460	.59451	9.7804	.13845
#1	44.530	19.597	4.8964	1.0581	.05216	.00666	.18764
#2	44.350	19.661	4.9079	1.0530	.05260	.00764	.18801
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.35903	.03674	.14108	.00659	.00298	.08907	4.4720
SDev	.00110	.00021	.00051	.00591	.00199	.00538	.0032
%RSD	.30565	.57395	.36214	89.7	66.704	6.0435	.07256
#1	.35826	.03689	.14144	.01077	.00439	.09288	4.4743
#2	.35981	.03660	.14072	.00241	.00158	.08527	4.4697
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03199	14.572	.04332	.00725	.73433	.0155
SDev	.00046	.009	.00206	.00230	.00195	.0058
%RSD	1.4312	.06018	4.7482	31.749	.26551	37.26
#1	.03231	14.579	.04477	.00888	.73571	.0114
#2	.03166	14.566	.04186	.00562	.73295	.0195
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-3 Operator: SW
Run Time: 07/14/05 11:51:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.11185	.13109	-.01217	.00393	.00062	92.718	1.3069
SDev	.00190	.00398	.00238	.00080	.00015	.424	.0055
%RSD	1.6958	3.0385	19.533	20.328	23.469	.45727	.42136
#1	.11319	.12828	-.01049	.00336	.00052	92.419	1.3030
#2	.11051	.13391	-.01385	.00449	.00072	93.018	1.3108
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00801	20.323	-.00269	.04039	.06269	.06395	123.00
SDev	.00001	.019	.00011	.00023	.00048	.00031	.16
%RSD	.09930	.09296	4.1506	.56115	.76437	.48776	.13320
#1	.00801	20.310	-.00277	.04055	.06235	.06373	122.89
#2	.00802	20.337	-.00261	.04023	.06303	.06417	123.12
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	66.732	29.874	4.2184	1.0005	.07004	.00382	.16680
SDev	.270	.070	.0098	.0043	.00013	.00069	.00045
%RSD	.40451	.23580	.23186	.42811	.18692	18.006	.26989
#1	66.541	29.824	4.2115	.99745	.06995	.00430	.16648
#2	66.923	29.924	4.2253	1.0035	.07014	.00333	.16712
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.34208	.03698	.12468	-.00143	.00267	.13592	3.7987
SDev	.00015	.00119	.00202	.00026	.00342	.00417	.0117
%RSD	.04509	3.2136	1.6243	18.079	127.95	3.0685	.30784
#1	.34219	.03614	.12325	-.00125	.00509	.13297	3.7904
#2	.34197	.03782	.12612	-.00162	.00025	.13887	3.8069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04647	18.130	.04015	.00388	.64277	-.0039
SDev	.00026	.096	.00113	.00102	.00233	.0078
%RSD	.56776	.52990	2.8032	26.253	.36268	199.1

#1	.04665	18.062	.03936	.00316	.64112	-.0094
#2	.04628	18.198	.04095	.00459	.64442	.0016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-3D Operator: SW
Run Time: 07/14/05 11:53:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09877	.12044	-.00655	.00743	.00064	92.427	1.2499
SDev	.00354	.00199	.00081	.00460	.00007	.175	.0009
%RSD	3.5869	1.6510	12.364	61.845	11.477	.18893	.07001
#1	.10128	.11904	-.00712	.00418	.00059	92.304	1.2505
#2	.09627	.12185	-.00598	.01068	.00070	92.551	1.2493
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00788	20.185	-.00276	.04032	.06329	.06497	125.11
SDev	.00001	.048	.00013	.00010	.00023	.00015	.25
%RSD	.09927	.23924	4.6068	.24687	.36637	.22606	.19889
#1	.00787	20.151	-.00285	.04025	.06313	.06507	124.94
#2	.00788	20.219	-.00267	.04039	.06346	.06486	125.29
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	65.082	30.471	3.9345	1.0014	.07003	.00795	.16951
SDev	.073	.078	.0062	.0003	.00103	.00102	.00107
%RSD	.11226	.25488	.15714	.03339	1.4757	12.876	.63060
#1	65.030	30.416	3.9301	1.0016	.06930	.00722	.16875
#2	65.133	30.525	3.9388	1.0011	.07076	.00867	.17027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.33870	.03777	.11323	.00278	.00257	.13992	3.8710
SDev	.00160	.00097	.00015	.00333	.00163	.00089	.0025
%RSD	.47159	2.5816	.12942	120.17	63.303	.63855	.06582

#1	.33757	.03708	.11312	.00042	.00142	.14056	3.8692
#2	.33983	.03846	.11333	.00513	.00372	.13929	3.8728
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04736	17.557	.03819	.00398	.61708	.0029
SDev	.00025	.019	.00064	.00000	.00036	.0064
%RSD	.52433	.10814	1.6673	.06060	.05865	222.4
#1	.04718	17.544	.03864	.00398	.61733	-.0016
#2	.04753	17.571	.03774	.00398	.61682	.0074
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/14/05 11:55:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50134	.51676	.51133	.51525	.50565	50.804	.49385
SDev	.00187	.00458	.00069	.00305	.00004	.012	.00063
%RSD	.37256	.88622	.13555	.59158	.00758	.02422	.12708
#1	.50002	.52000	.51182	.51309	.50563	50.812	.49430
#2	.50266	.51353	.51084	.51740	.50568	50.795	.49341
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.51854	53.117	.50671	.49319	.48581	.49682	21.091
SDev	.00003	.009	.00006	.00039	.00051	.00052	.010
%RSD	.00628	.01684	.01110	.07833	.10547	.10406	.04698
#1	.51852	53.111	.50675	.49292	.48545	.49646	21.098
#2	.51857	53.123	.50667	.49346	.48617	.49719	21.084
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.034	51.173	.49297	20.198	.50441	.51889	.49624
SDev	.011	.026	.00089	.025	.00118	.00046	.00026
%RSD	.05251	.05003	.18113	.12200	.23467	.08899	.05305

#1	20.041	51.155	.49360	20.180	.50357	.51856	.49643
#2	20.026	51.191	.49234	20.215	.50525	.51922	.49605
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50154	.51529	.51163	.51394	.52469	.68052	.50255
SDev	.00045	.00017	.00243	.00180	.00663	.00353	.00077
%RSD	.08926	.03261	.47547	.35069	1.2639	.51916	.15285
#1	.50186	.51517	.51335	.51267	.52000	.68301	.50309
#2	.50122	.51540	.50991	.51522	.52938	.67802	.50201
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0239	.27362	.48994	.50977	.50098	10.26
SDev	.0016	.00404	.00314	.00139	.00047	.00
%RSD	.15421	1.4756	.64074	.27189	.09413	.0422
#1	1.0228	Q.27648	.48772	.50879	.50131	10.27
#2	1.0250	.27077	.49216	.51075	.50064	10.26
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Analysis Report Blank Sample 07/14/05 12:01:48 PM page 1

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/14/05 11:59:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00312	.00093	.00013	.00497	.00112	.05878	.00041
SDev	.00055	.00076	.00173	.00211	.00018	.00148	.00006
%RSD	17.543	82.501	1328.3	42.422	16.085	2.5245	14.415
#1	-.00351	.00039	-.00109	.00646	.00099	.05773	.00037
#2	-.00274	.00147	.00135	.00348	.00125	.05983	.00045
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00015	.04230	.00038	.00035	.00030	-.00124	.02941
SDev	.00002	.00078	.00001	.00014	.00007	.00003	.00232
%RSD	10.859	1.8393	1.9634	39.591	22.248	2.5199	7.8837
#1	.00014	.04175	.00039	.00025	.00026	-.00126	.02777
#2	.00016	.04285	.00038	.00045	.00035	-.00122	.03105
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.18664	.04533	.00054	.11612	.00076	.00445	.00054
SDev	.00896	.00143	.00004	.00010	.00033	.00000	.00009
%RSD	4.8026	3.1481	7.1580	.08162	42.935	.01107	16.635
#1	.18030	.04432	.00052	.11618	.00053	.00445	.00048
#2	.19298	.04634	.00057	.11605	.00100	.00445	.00060
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00035	.00141	-.00042	.00336	.00124	.00159	.00034
SDev	.00038	.00074	.00069	.00083	.00128	.00125	.00007
%RSD	110.00	52.297	164.08	24.735	102.69	78.085	20.417
#1	.00008	.00089	-.00091	.00395	.00034	.00071	.00029
#2	.00062	.00193	.00007	.00277	.00215	.00248	.00039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00185	.00233	.00157	-.00004	-.00028	.0180
SDev	.00019	.00015	.00093	.00014	.00002	.0050
%RSD	10.511	6.6726	59.232	326.02	7.7098	27.71
#1	.00171	.00222	.00091	.00006	-.00029	.0144
#2	.00198	.00244	.00223	-.00014	-.00026	.0215
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: 0507014-3L 5X Operator: SW
Run Time: 07/14/05 12:01:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.02020	.02809	.00096	.00316	.00087	18.011	.27316
SDev	.00228	.00010	.00229	.00139	.00004	.057	.00169
%RSD	11.273	.35566	239.12	44.034	4.9602	.31909	.61770
#1	.01859	.02802	-.00066	.00415	.00084	18.052	.27436
#2	.02181	.02816	.00257	.00218	.00090	17.970	.27197
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00162	4.0711	-.00023	.00860	.01312	.01227	23.142
SDev	.00002	.0231	.00001	.00024	.00004	.00007	.091
%RSD	1.4933	.56710	2.8222	2.8173	.27625	.56904	.39259
#1	.00160	4.0548	-.00023	.00877	.01315	.01222	23.078
#2	.00163	4.0874	-.00024	.00843	.01309	.01232	23.206
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	14.309	6.2071	.88621	.25875	.01537	.00163	.03505
SDev	.046	.0259	.00157	.00028	.00012	.00167	.00018
%RSD	.31895	.41796	.17699	.10835	.74873	102.64	.51245
#1	14.341	6.1888	.88510	.25895	.01545	.00281	.03492
#2	14.276	6.2254	.88732	.25855	.01529	.00045	.03518
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.07245	.00690	.02546	.00243	.00322	.02405	.78959
SDev	.00058	.00215	.00082	.00017	.00042	.00182	.00078
%RSD	.79714	31.125	3.2405	6.8939	12.997	7.5567	.09887
#1	.07205	.00538	.02488	.00255	.00352	.02276	.79014
#2	.07286	.00841	.02604	.00231	.00293	.02533	.78904
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01066	3.7672	.01004	-.00004	.13437	.0123
SDev	.00030	.0004	.00049	.00043	.00071	.0011
%RSD	2.8396	.01163	4.8888	1159.6	.52838	8.852
#1	.01044	3.7675	.00969	-.00034	.13487	.0116
#2	.01087	3.7669	.01038	.00027	.13387	.0131
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-3MS Operator: SW
Run Time: 07/14/05 12:03:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.57266	.60691	2.0237	2.0289	.04908	135.85	3.2517
SDev	.00046	.00596	.0037	.0061	.00018	.41	.0118
%RSD	.07994	.98198	.18462	.30148	.36645	.30297	.36189
#1	.57234	.60270	2.0211	2.0245	.04895	135.56	3.2434
#2	.57298	.61113	2.0264	2.0332	.04921	136.14	3.2601
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.06181	29.158	.04774	.52694	.26453	.32302	129.88
SDev	.00013	.018	.00018	.00162	.00028	.00093	.31
%RSD	.20834	.06269	.38413	.30795	.10583	.28772	.23570
#1	.06171	29.145	.04761	.52579	.26433	.32237	129.66
#2	.06190	29.171	.04787	.52809	.26472	.32368	130.10
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	70.822	32.958	4.3670	1.2907	.58377	.22187	.64852
SDev	.287	.072	.0104	.0064	.00265	.00429	.00135
%RSD	.40492	.21825	.23772	.49613	.45375	1.9337	.20852
#1	70.620	32.907	4.3597	1.2862	.58190	.21884	.64756
#2	71.025	33.009	4.3743	1.2952	.58565	.22490	.64947
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.88351	2.0635	.59551	2.0272	2.0315	.78915	4.8391
SDev	.00196	.0024	.00413	.0053	.0088	.02883	.0145
%RSD	.22228	.11559	.69312	.26263	.43476	3.6539	.30033
#1	.88212	2.0618	.59259	2.0234	2.0253	.76876	4.8288
#2	.88490	2.0652	.59843	2.0309	2.0378	.80954	4.8493
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99774	22.307	.51111	.92233	1.2391	.0163
SDev	.00047	.080	.00181	.00512	.0042	.0109
%RSD	.04677	.35803	.35388	.55536	.33786	66.76
#1	.99807	22.251	.50983	.91871	1.2362	.0240
#2	.99741	22.364	.51239	.92595	1.2421	.0086
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-3MSD Operator: SW
Run Time: 07/14/05 12:05:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.61005	.63664	2.0187	2.0433	.04845	134.99	3.5536
SDev	.00323	.00023	.0045	.0052	.00037	.49	.0049
%RSD	.52991	.03592	.22273	.25575	.76508	.36073	.13734
#1	.60777	.63680	2.0155	2.0470	.04871	134.64	3.5501
#2	.61234	.63648	2.0219	2.0396	.04819	135.33	3.5570
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.06218	23.260	.04762	.52904	.26073	.32209	134.81
SDev	.00002	.045	.00007	.00143	.00061	.00101	.13
%RSD	.02572	.19232	.14867	.27015	.23556	.31242	.10003
#1	.06219	23.291	.04757	.53005	.26116	.32138	134.91
#2	.06217	23.228	.04767	.52803	.26029	.32280	134.71
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	70.650	34.001	5.2802	1.2682	.57493	.21387	.66958
SDev	.248	.008	.0029	.0047	.00026	.00188	.00064
%RSD	.35106	.02271	.05461	.36849	.04544	.88110	.09497
#1	70.475	34.007	5.2822	1.2649	.57475	.21520	.67003
#2	70.825	33.996	5.2781	1.2715	.57511	.21254	.66913
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.87142	2.0783	.62779	2.0351	2.0489	.87610	4.9124
SDev	.00161	.0012	.00092	.0020	.0054	.06765	.0005
%RSD	.18460	.05557	.14717	.09770	.26135	7.7217	.01102
#1	.87255	2.0791	.62713	2.0365	2.0451	.82826	4.9127
#2	.87028	2.0775	.62844	2.0337	2.0527	.92393	4.9120
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0018	21.231	.51605	.92751	1.2261	-.0039
SDev	.0009	.058	.00108	.00222	.0008	.0181
%RSD	.08850	.27084	.20849	.23970	.06661	460.3
#1	1.0012	21.190	.51529	.92908	1.2255	.0089
#2	1.0024	21.271	.51681	.92594	1.2266	-.0168
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-4 Operator: SW
Run Time: 07/14/05 12:09:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.07697	.09711	.00089	.00298	.00057	93.661	1.3271
SDev	.00171	.00141	.00902	.00419	.00032	.106	.0012
%RSD	2.2216	1.4556	1014.9	140.77	56.944	.11314	.08681
#1	.07576	.09611	-.00549	.00001	.00034	93.586	1.3279
#2	.07818	.09811	.00726	.00595	.00080	93.736	1.3263
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00805	26.318	-.00204	.03481	.05383	.04995	101.28
SDev	.00006	.258	.00022	.00061	.00060	.00028	.76
%RSD	.69929	.98161	10.551	1.7448	1.1141	.55911	.74654
#1	.00801	26.135	-.00189	.03438	.05341	.04976	100.75
#2	.00809	26.500	-.00219	.03524	.05426	.05015	101.82
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	70.408	27.548	3.1669	1.9051	.06096	.00728	.13391
SDev	.088	.193	.0206	.0030	.00100	.00073	.00035
%RSD	.12472	.70031	.64918	.15495	1.6426	10.042	.26416
#1	70.470	27.412	3.1523	1.9072	.06025	.00676	.13366
#2	70.346	27.685	3.1814	1.9031	.06166	.00780	.13416
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.28556	.03049	.09040	.00228	.00211	.11674	2.9410
SDev	.00312	.00391	.00151	.00580	.00252	.00209	.0098
%RSD	1.0921	12.841	1.6728	254.03	119.68	1.7888	.33462
#1	.28335	.02772	.08933	-.00182	.00032	.11526	2.9341
#2	.28776	.03325	.09147	.00638	.00389	.11822	2.9480
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04633	15.346	.03955	.00398	.82931	.0068
SDev	.00001	.042	.00196	.00087	.00001	.0045
%RSD	.01675	.27618	4.9532	21.787	.00150	66.22
#1	.04632	15.316	.03816	.00460	.82930	.0036
#2	.04634	15.376	.04093	.00337	.82932	.0100
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-5 Operator: SW
Run Time: 07/14/05 12:12:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.10075	.11732	.00304	.00251	.00025	71.180	1.1053
SDev	.00034	.00036	.00159	.00049	.00002	.187	.0001
%RSD	.34222	.30299	52.205	19.382	9.3256	.26255	.00865
#1	.10050	.11707	.00417	.00285	.00027	71.048	1.1054
#2	.10099	.11758	.00192	.00216	.00024	71.313	1.1052
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00625	24.903	-.00267	.03376	.05058	.04263	115.15
SDev	.00001	.103	.00028	.00024	.00003	.00000	.39
%RSD	.12609	.41230	10.569	.69828	.04967	.00402	.34136
#1	.00624	24.830	-.00247	.03360	.05059	.04264	114.87
#2	.00625	24.975	-.00287	.03393	.05056	.04263	115.42
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	34.772	19.234	3.8857	.98536	.04895	.00338	.16780
SDev	.027	.072	.0104	.00071	.00033	.00149	.00080
%RSD	.07904	.37373	.26747	.07150	.66943	44.009	.47892
#1	34.753	19.183	3.8784	.98487	.04918	.00233	.16724
#2	34.792	19.285	3.8931	.98586	.04872	.00443	.16837
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.30709	.03201	.11180	.00269	.00233	.09309	3.7361
SDev	.00031	.00118	.00035	.00085	.00051	.00090	.0049
%RSD	.10083	3.6888	.31477	31.764	21.820	.96338	.13061
#1	.30687	.03285	.11156	.00329	.00197	.09373	3.7326
#2	.30730	.03118	.11205	.00208	.00269	.09246	3.7395
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02853	14.192	.03757	.00244	.67262	-.0068
SDev	.00021	.035	.00068	.00073	.00008	.0021
%RSD	.73428	.24683	1.8238	29.906	.01152	30.06
#1	.02868	14.167	.03709	.00192	.67268	-.0083
#2	.02838	14.217	.03806	.00295	.67257	-.0054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-6 Operator: SW
Run Time: 07/14/05 12:14:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.09403	.11660	-.00598	.00840	.00085	81.705	1.1417
SDev	.00066	.00095	.00007	.00023	.00001	.019	.0033
%RSD	.69797	.81747	1.1340	2.7004	.61052	.02337	.28611
#1	.09450	.11592	-.00594	.00824	.00085	81.692	1.1394
#2	.09357	.11727	-.00603	.00856	.00086	81.719	1.1440
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00754	30.318	-.00389	.03871	.06289	.04887	141.49
SDev	.00001	.079	.00016	.00010	.00006	.00018	.51
%RSD	.10583	.25976	4.0119	.24491	.09972	.37056	.35884
#1	.00753	30.263	-.00378	.03878	.06285	.04874	141.13
#2	.00754	30.374	-.00400	.03864	.06293	.04900	141.85
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	38.166	23.778	4.0330	1.3968	.05899	.00384	.20209
SDev	.055	.052	.0131	.0010	.00025	.00200	.00036
%RSD	.14441	.21922	.32491	.07244	.41683	52.181	.17551
#1	38.127	23.741	4.0238	1.3961	.05881	.00242	.20184
#2	38.205	23.815	4.0423	1.3975	.05916	.00526	.20234
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.37837	.03585	.10908	.00361	.00380	.10239	4.5650
SDev	.00099	.00236	.00042	.00013	.00143	.00627	.0146
%RSD	.26260	6.5980	.38245	3.5653	37.562	6.1260	.32039
#1	.37767	.03752	.10879	.00352	.00279	.09795	4.5547
#2	.37908	.03418	.10938	.00370	.00480	.10682	4.5753
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03467	16.800	.04287	.00276	.76168	.0177
SDev	.00019	.024	.00148	.00000	.00206	.0050
%RSD	.53712	.14253	3.4428	.06890	.27048	28.39
#1	.03454	16.783	.04392	.00276	.76022	.0212
#2	.03480	16.817	.04183	.00275	.76314	.0141
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-7 Operator: SW
Run Time: 07/14/05 12:16:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.12053	.15183	-.01180	.00593	.00144	127.68	1.1859
SDev	.00432	.00180	.00750	.00226	.00001	.06	.0006
%RSD	3.5869	1.1864	63.577	38.117	.71969	.04470	.05250
#1	.12359	.15055	-.00650	.00433	.00145	127.64	1.1855
#2	.11747	.15310	-.01711	.00753	.00144	127.72	1.1864
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01213	37.915	-.00344	.05236	.09239	.10396	162.55
SDev	.00002	.059	.00011	.00020	.00047	.00021	.33
%RSD	.19830	.15666	3.1371	.37649	.50974	.20647	.20222
#1	.01211	37.873	-.00352	.05222	.09206	.10411	162.32
#2	.01215	37.957	-.00337	.05250	.09273	.10381	162.79
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	54.815	43.980	3.9724	1.3569	.10338	.00829	.19694
SDev	.017	.087	.0080	.0004	.00061	.00001	.00053
%RSD	.03051	.19843	.20237	.02685	.58733	.14665	.26901
#1	54.803	43.919	3.9667	1.3567	.10295	.00828	.19656
#2	54.827	44.042	3.9781	1.3572	.10381	.00830	.19731
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.47979	.05094	.14140	.00003	.00251	.20971	4.1307
SDev	.00089	.00061	.00024	.00099	.00133	.00445	.0057
%RSD	.18464	1.1956	.16845	3734.4	53.137	2.1229	.13845
#1	.47917	.05051	.14157	.00073	.00345	.21286	4.1266
#2	.48042	.05137	.14124	-.00067	.00157	.20656	4.1347
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06770	21.536	.04571	.00368	.64586	.0190
SDev	.00035	.026	.00010	.00130	.00034	.0028
%RSD	.51583	.12227	.21703	35.448	.05321	14.81
#1	.06745	21.518	.04578	.00460	.64562	.0170
#2	.06794	21.555	.04564	.00276	.64611	.0210
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-8 Operator: SW
Run Time: 07/14/05 12:18:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.09924	.12681	-.00258	.00664	.00074	94.976	1.3905
SDev	.00267	.00013	.00126	.00119	.00026	.237	.0010
%RSD	2.6948	.10373	48.689	17.972	34.977	.24915	.07257
#1	.10113	.12691	-.00169	.00749	.00055	95.143	1.3913
#2	.09735	.12672	-.00347	.00580	.00092	94.809	1.3898
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00857	30.701	-.00270	.03802	.06072	.05630	119.71
SDev	.00002	.035	.00010	.00082	.00013	.00015	.17
%RSD	.18859	.11524	3.8170	2.1687	.20655	.26092	.14404
#1	.00858	30.676	-.00277	.03744	.06063	.05641	119.59
#2	.00856	30.726	-.00263	.03860	.06081	.05620	119.83
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10:000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.596	28.436	3.8820	2.7115	.06264	.00893	.16007
SDev	.131	.024	.0053	.0095	.00026	.00205	.00018
%RSD	.25879	.08369	.13744	.34915	.41720	22.976	.11402
#1	50.688	28.419	3.8782	2.7182	.06283	.00748	.15994
#2	50.503	28.453	3.8858	2.7048	.06246	.01038	.16020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.33642	.03373	.11763	.00357	.00275	.12960	3.4092
SDev	.00127	.00003	.00098	.00121	.00177	.00596	.0064
%RSD	.37690	.08414	.83167	34.035	64.398	4.5993	.18913
#1	.33552	.03371	.11832	.00443	.00400	.13382	3.4046
#2	.33731	.03375	.11694	.00271	.00150	.12539	3.4137
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04343	16.867	.03729	.00213	.80377	.0095
SDev	.00015	.016	.00083	.00088	.00043	.0065
%RSD	.33943	.09607	2.2364	41.116	.05304	68.33

#1	.04333	16.878	.03788	.00151	.80407	.0049
#2	.04354	16.855	.03670	.00275	.80347	.0140
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-9 Operator: SW
Run Time: 07/14/05 12:20:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.11125	.13407	-.00364	.00428	.00090	82.530	1.0260
SDev	.00142	.00048	.00892	.00187	.00046	.115	.0006
%RSD	1.2745	.35706	245.12	43.722	51.457	.13987	.05821
#1	.11225	.13373	.00267	.00296	.00057	82.611	1.0265
#2	.11025	.13441	-.00994	.00561	.00123	82.448	1.0256
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00749	42.259	-.00094	.03457	.05430	.06632	108.96
SDev	.00003	.158	.00011	.00038	.00075	.00001	.34
%RSD	.42856	.37473	12.023	1.0838	1.3825	.01060	.31611
#1	.00747	42.147	-.00102	.03430	.05377	.06632	108.71
#2	.00751	42.371	-.00086	.03483	.05483	.06631	109.20
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	48.454	25.064	3.6693	.81342	.06318	.00509	.14453
SDev	.101	.065	.0112	.00311	.00008	.00009	.00062
%RSD	.20793	.25963	.30390	.38241	.13056	1.6903	.43106
#1	48.526	25.018	3.6615	.81562	.06312	.00515	.14409
#2	48.383	25.110	3.6772	.81122	.06324	.00503	.14497
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.37594	.03329	.12647	.00165	.00336	.10978	3.0296
SDev	.00300	.00058	.00015	.00172	.00219	.00060	.0042
%RSD	.79936	1.7530	.12085	104.47	65.219	.54380	.13779

#1	.37382	.03288	.12658	.00286	.00491	.11020	3.0267
#2	.37807	.03370	.12636	.00043	.00181	.10936	3.0326
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04763	17.025	.04295	.00224	.58953	.0035
SDev	.00095	.009	.00074	.00043	.00011	.0084
%RSD	2.0040	.05010	1.7130	19.416	.01782	240.0
#1	.04695	17.019	.04243	.00254	.58960	-.0024
#2	.04830	17.031	.04347	.00193	.58945	.0095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-10 Operator: SW
Run Time: 07/14/05 12:22:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.10092	.12307	-.00305	.00350	.00066	100.11	1.5789
SDev	.00078	.00038	.00609	.00022	.00016	.59	.0082
%RSD	.77186	.31147	199.33	6.1729	25.163	.59379	.51820
#1	.10037	.12280	-.00736	.00365	.00077	99.695	1.5731
#2	.10147	.12334	.00125	.00334	.00054	100.54	1.5847
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00817	32.462	-.00146	.03621	.05291	.06071	111.36
SDev	.00006	.259	.00019	.00000	.00023	.00065	.95
%RSD	.78704	.79918	12.860	.00741	.44167	1.0729	.85523
#1	.00813	32.278	-.00133	.03620	.05275	.06025	110.68
#2	.00822	32.645	-.00159	.03621	.05308	.06117	112.03
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	75.983	27.461	4.3586	2.0934	.06391	.00609	.14088
SDev	.315	.213	.0304	.0119	.00010	.00288	.00063
%RSD	.41506	.77491	.69854	.57007	.15398	47.243	.44331

#1	75.760	27.310	4.3371	2.0849	.06384	.00813	.14044
#2	76.206	27.611	4.3801	2.1018	.06398	.00406	.14132
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.30781	.03408	.11569	.00132	.00339	.12939	3.0457
SDev	.00323	.00270	.00052	.00188	.00106	.00209	.0196
%RSD	1.0479	7.9352	.44521	143.18	31.215	1.6124	.64502
#1	.30553	.03599	.11533	-.00002	.00413	.12792	3.0318
#2	.31009	.03216	.11606	.00265	.00264	.13087	3.0596
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04709	16.183	.03823	.00192	.81604	-.0034
SDev	.00032	.117	.00024	.00029	.00454	.0038
%RSD	.67565	.72032	.62773	15.252	.55614	112.8
#1	.04686	16.100	.03806	.00172	.81283	-.0061
#2	.04731	16.265	.03840	.00213	.81925	-.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/14/05 12:26:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50746	.52436	.53170	.52389	.50763	50.921	.49485
SDev	.00181	.00098	.00380	.00091	.00004	.025	.00021
%RSD	.35701	.18606	.71569	.17440	.00776	.04995	.04307
#1	.50874	.52505	.52901	.52453	.50760	50.903	.49500
#2	.50618	.52367	.53439	.52324	.50766	50.939	.49470
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.52307	53.894	.51316	.49854	.49013	.49842	21.277
SDev	.00020	.049	.00025	.00042	.00079	.00013	.041
%RSD	.03892	.09016	.04904	.08449	.16060	.02637	.19170
#1	.52293	53.860	.51333	.49824	.48957	.49851	21.248
#2	.52322	53.928	.51298	.49884	.49069	.49832	21.306
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	20.019	51.616	.49614	20.247	.51010	.52035	.50056
SDev	.001	.064	.00062	.005	.00031	.00037	.00008
%RSD	.00525	.12447	.12460	.02676	.06132	.07182	.01540
#1	20.020	51.571	.49570	20.243	.50988	.52009	.50061
#2	20.018	51.661	.49657	20.251	.51032	.52062	.50050
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50785	.52308	.51873	.52649	.52599	.69113	.50442
SDev	.00090	.00093	.00125	.00066	.00481	.01737	.00027
%RSD	.17688	.17736	.24175	.12494	.91389	2.5131	.05401
#1	.50721	.52242	.51962	.52602	.52939	.70341	.50423
#2	.50848	.52373	.51785	.52695	.52259	.67885	.50461
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0330	.27209	.49498	.51568	.50323	10.33
SDev	.0011	.00011	.00064	.00278	.00017	.01
%RSD	.10692	.03968	.12919	.53873	.03307	.0869
#1	1.0322	.27216	.49453	.51372	.50335	10.33
#2	1.0337	.27201	.49544	.51765	.50312	10.34
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/14/05 12:30:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00241	.00136	.00239	.00178	.00057	.04997	.00031
SDev	.00159	.00139	.00770	.00500	.00053	.00059	.00006
%RSD	66.061	102.15	322.53	280.68	92.979	1.1792	19.084
#1	-.00128	.00038	.00783	-.00175	.00020	.04956	.00027
#2	-.00353	.00235	-.00306	.00532	.00095	.05039	.00035
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00011	.03177	.00011	.00023	-.00011	-.00142	.02497
SDev	.00001	.00115	.00014	.00038	.00022	.00004	.00040
%RSD	7.4849	3.6317	123.80	167.70	209.62	2.7919	1.6127
#1	.00011	.03258	.00001	-.00004	-.00027	-.00145	.02468
#2	.00010	.03095	.00021	.00050	.00005	-.00139	.02525
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.18504	.03344	.00055	.10707	.00011	-.00019	.00003
SDev	.01570	.00190	.00001	.00010	.00072	.00083	.00027
%RSD	8.4826	5.6726	1.7671	.08837	629.04	429.83	809.91
#1	.17394	.03210	.00054	.10714	-.00040	-.00078	-.00016
#2	.19614	.03478	.00056	.10700	.00063	.00039	.00022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	-.00006	.00080	.00011	.00198	.00402	-.00016	.00028
SDev	.00006	.00094	.00040	.00077	.00270	.00060	.00002
%RSD	110.00	116.98	369.51	38.882	67.205	381.30	5.5470
#1	-.00001	.00014	-.00017	.00144	.00211	-.00059	.00027
#2	-.00010	.00146	.00039	.00253	.00593	.00027	.00029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00168	.00404	.00032	.00006	-.00031	.0069
SDev	.00023	.00008	.00054	.00029	.00002	.0162
%RSD	13.894	2.0306	165.41	487.68	5.9171	232.9
#1	.00151	.00398	.00070	.00026	-.00029	-.0045
#2	.00184	.00410	-.00005	-.00014	-.00032	.0184
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Method: 30EL Sample Name: 0507014-11 Operator: SW
Run Time: 07/14/05 12:33:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.10736	.12866	-.00151	.00724	.00092	79.368	1.3547
SDev	.00171	.00080	.00477	.00239	.00004	.151	.0053
%RSD	1.5908	.61871	315.92	33.056	4.5555	.19004	.39349
#1	.10857	.12922	.00186	.00555	.00089	79.261	1.3510
#2	.10615	.12810	-.00488	.00893	.00095	79.474	1.3585
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00680	31.591	-.00112	.03963	.05310	.05755	108.66
SDev	.00003	.154	.00005	.00046	.00047	.00017	.58
%RSD	.47064	.48844	4.3116	1.1667	.88750	.30407	.53456
#1	.00678	31.482	-.00115	.03931	.05277	.05743	108.25
#2	.00682	31.700	-.00108	.03996	.05344	.05768	109.07
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	50.273	24.863	4.9634	.89078	.05989	.01000	.15813
SDev	.098	.105	.0244	.00190	.00011	.00074	.00098
%RSD	.19444	.42092	.49190	.21343	.19068	7.4451	.61977
#1	50.204	24.789	4.9462	.88944	.05998	.00947	.15743
#2	50.342	24.937	4.9807	.89212	.05981	.01052	.15882
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.34110	.03276	.12157	.00433	.00185	.10809	3.4644
SDev	.00202	.00241	.00110	.00001	.00463	.00358	.0151
%RSD	.59169	7.3626	.90459	.17145	250.56	3.3143	.43525
#1	.33967	.03447	.12234	.00432	.00513	.11062	3.4537
#2	.34253	.03106	.12079	.00433	-.00143	.10556	3.4750
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04256	17.039	.03925	.00398	.63962	.0131
SDev	.00048	.044	.00118	.00029	.00234	.0023
%RSD	1.1304	.26021	3.0077	7.2926	.36636	17.34
#1	.04222	17.008	.04009	.00378	.63796	.0115
#2	.04290	17.071	.03842	.00419	.64128	.0147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507014-12 Operator: SW
Run Time: 07/14/05 12:35:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08097	.10054	.00037	.00360	.00076	92.598	1.4255
SDev	.00268	.00157	.00274	.00010	.00024	.071	.0029
%RSD	3.3075	1.5646	733.16	2.6846	31.883	.07636	.20323
#1	.07908	.09943	-.00156	.00353	.00093	92.548	1.4234
#2	.08287	.10165	.00231	.00367	.00059	92.648	1.4275
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00767	39.359	-.00142	.03359	.04942	.05084	99.807
SDev	.00001	.053	.00008	.00009	.00009	.00034	.270
%RSD	.10563	.13552	5.4309	.26962	.17737	.67229	.27044
#1	.00766	39.321	-.00136	.03352	.04936	.05060	99.616
#2	.00767	39.396	-.00147	.03365	.04948	.05108	99.998
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	60.529	25.187	3.6690	2.1226	.05587	.00047	.13718
SDev	.109	.040	.0075	.0026	.00051	.00302	.00018
%RSD	.17965	.15886	.20308	.12257	.90971	644.30	.13083
#1	60.452	25.159	3.6637	2.1208	.05623	.00261	.13730
#2	60.606	25.215	3.6742	2.1245	.05551	-.00167	.13705
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.30221	.03130	.09402	.00253	.00345	.10281	3.1589
SDev	.00056	.00108	.00194	.00098	.00078	.00508	.0083
%RSD	.18480	3.4366	2.0644	38.649	22.496	4.9386	.26170
#1	.30181	.03206	.09265	.00184	.00290	.09922	3.1530
#2	.30260	.03054	.09540	.00322	.00400	.10640	3.1647
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04140	15.443	.04062	.00234	.90743	.0056
SDev	.00006	.006	.00044	.00000	.00176	.0068
%RSD	.14995	.04164	1.0766	.11070	.19368	123.0
#1	.04144	15.439	.04031	.00234	.90619	.0104
#2	.04135	15.448	.04093	.00234	.90867	.0007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507052-2 Operator: SW
Run Time: 07/14/05 12:37:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.11447	.14512	-.01213	.00795	.00094	107.86	.96364
SDev	.00295	.00213	.00784	.00283	.00011	.18	.00031
%RSD	2.5729	1.4680	64.653	35.580	11.681	.16970	.03219
#1	.11239	.14662	-.01768	.00995	.00086	107.73	.96386
#2	.11655	.14361	-.00658	.00595	.00102	107.99	.96342
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01075	38.533	-.00236	.04027	.06769	.06313	129.63
SDev	.00001	.029	.00014	.00073	.00014	.00021	.09
%RSD	.07514	.07408	6.0855	1.8131	.20851	.33487	.07250
#1	.01074	38.513	-.00226	.04079	.06759	.06298	129.56
#2	.01076	38.553	-.00246	.03975	.06779	.06328	129.69
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	53.189	30.159	3.3323	1.0315	.07754	.01008	.15787
SDev	.053	.037	.0014	.0010	.00046	.00132	.00009
%RSD	.10016	.12123	.04194	.09643	.59109	13.118	.05553
#1	53.151	30.134	3.3313	1.0308	.07721	.00915	.15794
#2	53.227	30.185	3.3333	1.0322	.07786	.01102	.15781
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.37019	.04095	.13491	.00126	.00297	.14793	2.8026
SDev	.00006	.00147	.00044	.00072	.00155	.00208	.0003
%RSD	.01714	3.5960	.32627	57.259	52.299	1.4087	.01132
#1	.37023	.04199	.13522	.00075	.00407	.14940	2.8028
#2	.37014	.03991	.13460	.00178	.00187	.14645	2.8024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05513	19.764	.04063	.00357	.63695	.0103
SDev	.00085	.009	.00010	.00029	.00038	.0010
%RSD	1.5484	.04754	.24207	8.1273	.05929	10.13
#1	.05573	19.757	.04056	.00337	.63722	.0096
#2	.05452	19.771	.04070	.00378	.63669	.0111
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507052-3 Operator: SW
Run Time: 07/14/05 12:39:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.08571	.11493	-.00417	.00364	.00078	108.13	1.0755
SDev	.00015	.00021	.00044	.00277	.00002	.06	.0006
%RSD	.17818	.18072	10.641	76.269	2.5809	.05952	.05890
#1	.08581	.11479	-.00448	.00560	.00076	108.09	1.0750
#2	.08560	.11508	-.00385	.00167	.00079	108.18	1.0759
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01031	41.585	-.00241	.04018	.06432	.05502	118.62
SDev	.00000	.008	.00017	.00006	.00004	.00023	.08
%RSD	.00019	.01917	7.0281	.16177	.05729	.41504	.06427
#1	.01031	41.579	-.00229	.04013	.06435	.05486	118.57
#2	.01031	41.591	-.00253	.04023	.06429	.05518	118.68
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	54.983	27.419	3.1500	2.6473	.07425	.00591	.14353
SDev	.046	.017	.0023	.0021	.00028	.00381	.00009
%RSD	.08350	.06206	.07364	.07828	.37540	64.551	.06300
#1	54.951	27.407	3.1484	2.6459	.07445	.00860	.14346
#2	55.016	27.431	3.1516	2.6488	.07406	.00321	.14359
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.32589	.03832	.10520	.00104	.00303	.12623	2.5588
SDev	.00051	.00284	.00009	.00170	.00407	.00000	.0029
%RSD	.15540	7.4145	.08336	164.09	134.43	.00000	.11309
#1	.32553	.04033	.10514	.00224	.00590	.12623	2.5568
#2	.32625	.03631	.10526	-.00017	.00015	.12623	2.5609
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04772	17.735	.03720	.00193	.70038	.0048
SDev	.00052	.005	.00083	.00029	.00043	.0019
%RSD	1.0894	.02864	2.2390	15.189	.06155	40.23
#1	.04736	17.731	.03661	.00172	.70008	.0034
#2	.04809	17.739	.03779	.00213	.70069	.0061
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507052-4 Operator: SW
Run Time: 07/14/05 12:41:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba

Units					PPM	PPM	PPM
Avge	.11614	.14817	-.01294	.00528	.00092	114.96	1.0505
SDev	.00299	.00455	.01368	.00529	.00021	.18	.0018
%RSD	2.5713	3.0680	105.73	100.27	23.109	.15355	.16831
#1	.11825	.14496	-.00327	.00154	.00077	114.83	1.0493
#2	.11403	.15139	-.02261	.00902	.00107	115.08	1.0518
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01122	35.474	-.00343	.04849	.07577	.07026	147.15
SDev	.00001	.005	.00012	.00013	.00001	.00019	.18
%RSD	.07288	.01296	3.3816	.26642	.00729	.26654	.12379
#1	.01123	35.470	-.00351	.04840	.07577	.07012	147.03
#2	.01122	35.477	-.00335	.04858	.07578	.07039	147.28
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	53.824	32.521	3.6026	.89690	.08165	.00585	.18573
SDev	.068	.050	.0037	.00113	.00059	.00246	.00053
%RSD	.12579	.15437	.10346	.12660	.72337	42.102	.28819
#1	53.776	32.486	3.6000	.89610	.08123	.00410	.18535
#2	53.871	32.557	3.6053	.89771	.08207	.00759	.18611
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.39291	.04659	.13751	-.00079	.00609	.16139	3.3542
SDev	.00018	.00229	.00204	.00103	.00121	.01457	.0058
%RSD	.04567	4.9220	1.4819	130.12	19.903	9.0313	.17390
#1	.39278	.04496	.13607	-.00006	.00523	.17170	3.3501
#2	.39303	.04821	.13895	-.00151	.00694	.15108	3.3583
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05789	19.637	.03883	.00244	.66520	.0050
SDev	.00056	.014	.00073	.00014	.00097	.0088
%RSD	.96509	.07077	1.8936	5.8259	.14623	177.6

#1	.05750	19.627	.03935	.00254	.66452	-.0013
#2	.05829	19.647	.03831	.00234	.66589	.0112
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 0507052-5 Operator: SW
Run Time: 07/14/05 12:43:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.10485	.13454	.00001	.00717	.00059	108.09	1.1504
SDev	.00115	.00270	.00530	.00237	.00061	.20	.0032
%RSD	1.0953	2.0105	71187.	33.066	103.60	.18328	.27671
#1	.10404	.13646	.00375	.00884	.00102	107.95	1.1481
#2	.10566	.13263	-.00374	.00549	.00016	108.23	1.1526
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01045	42.376	-.00265	.04077	.06947	.06106	119.33
SDev	.00003	.060	.00003	.00050	.00007	.00030	.25
%RSD	.30810	.14166	1.1594	1.2305	.10133	.48713	.20879
#1	.01043	42.333	-.00262	.04113	.06952	.06085	119.15
#2	.01047	42.418	-.00267	.04042	.06942	.06127	119.50
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	49.491	29.333	3.3584	2.0402	.07219	.00627	.15277
SDev	.110	.039	.0072	.0055	.00025	.00091	.00017
%RSD	.22280	.13297	.21422	.26784	.34171	14.450	.11382
#1	49.413	29.306	3.3533	2.0363	.07236	.00691	.15265
#2	49.569	29.361	3.3635	2.0440	.07201	.00563	.15289
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.33400	.03901	.12466	.00478	-.00132	.14582	2.8456
SDev	.00030	.00340	.00142	.00334	.00037	.00983	.0086
%RSD	.09024	8.7021	1.1406	69.919	27.723	6.7377	.30267

#1	.33379	.04141	.12566	.00715	-.00158	.13887	2.8395
#2	.33421	.03661	.12365	.00242	-.00106	.15277	2.8517
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05235	20.179	.03989	.00151	.77251	.0054
SDev	.00030	.043	.00270	.00001	.00234	.0173
%RSD	.57803	.21355	6.7748	.43414	.30300	320.6
#1	.05214	20.148	.04180	.00152	.77085	.0176
#2	.05257	20.209	.03798	.00151	.77416	-.0068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: 050714-1 Operator: SW
Run Time: 07/14/05 12:46:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.13027	.14776	-.00250	.00147	.00026	77.312	1.4468
SDev	.00189	.00061	.00723	.00168	.00030	.019	.0002
%RSD	1.4507	.41432	289.57	113.87	114.80	.02496	.01246
#1	.13161	.14819	.00262	.00029	.00005	77.325	1.4467
#2	.12893	.14732	-.00761	.00266	.00048	77.298	1.4470
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00627	28.103	-.00248	.03610	.05328	.05346	126.83
SDev	.00002	.056	.00012	.00006	.00016	.00024	.24
%RSD	.25604	.19788	4.9561	.16749	.30235	.45360	.19120
#1	.00626	28.064	-.00240	.03606	.05317	.05329	126.66
#2	.00628	28.142	-.00257	.03614	.05340	.05364	127.00
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	44.839	19.797	4.9233	1.0813	.05160	.00529	.18907
SDev	.023	.035	.0095	.0020	.00049	.00181	.00027
%RSD	.05062	.17444	.19368	.18589	.95338	34.240	.14327

#1	44.855	19.772	4.9165	1.0827	.05195	.00657	.18888
#2	44.823	19.821	4.9300	1.0799	.05125	.00401	.18926
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.36072	.03189	.14193	.00015	.00467	.09267	4.4880
SDev	.00210	.00092	.00104	.00129	.00121	.00030	.0056
%RSD	.58319	2.8750	.73108	857.54	25.904	.32261	.12561
#1	.35923	.03254	.14267	.00106	.00552	.09246	4.4840
#2	.36221	.03124	.14120	-.00076	.00381	.09288	4.4920
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02969	15.775	.04411	.00326	.73890	-.0044
SDev	.00071	.002	.00093	.00073	.00006	.0062
%RSD	2.4044	.00953	2.1128	22.336	.00882	140.8
#1	.02918	15.776	.04476	.00275	.73895	-.0087
#2	.03019	15.774	.04345	.00378	.73885	-.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: CRI Operator: SW
Run Time: 07/14/05 12:53:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.00705	.00618	.01323	.00932	.02038	.41701	.43337
SDev	.00064	.00039	.00217	.00023	.00015	.00095	.00104
%RSD	9.1080	6.3078	16.421	2.4958	.75386	.22791	.24021
#1	.00660	.00590	.01477	.00948	.02049	.41633	.43263
#2	.00751	.00646	.01170	.00915	.02027	.41768	.43411
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					2.0000	500.00	10.000
Low					-.02000	-.40000	-.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.01109	10.213	.01154	.10870	.02139	.05265	.20866
SDev	.00002	.026	.00004	.00000	.00023	.00013	.00479
%RSD	.14519	.25139	.36700	.00069	1.0716	.25282	2.2932
#1	.01110	10.231	.01157	.10869	.02155	.05275	.21204
#2	.01107	10.195	.01151	.10870	.02123	.05256	.20527
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	500.00	10.000	10.000	10.000	10.000	200.00
Low	-.01000	-1.0000	-.01000	-.02000	-.02000	-.02000	-.20000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	9.0519	9.9466	.03384	8.9115	.09303	.13308	.10943
SDev	.0183	.0131	.00007	.0206	.00076	.00060	.00009
%RSD	.20207	.13173	.20175	.23143	.81110	.45240	.08342
#1	9.0390	9.9559	.03389	8.8969	.09356	.13351	.10950
#2	9.0649	9.9374	.03379	8.9261	.09249	.13266	.10937
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	100.00	500.00	10.000	100.00	10.000	2.0000	10.000
Low	-1.0000	-1.0000	-.02000	-1.0000	-.04000	-.04000	-.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.04914	.01060	.00647	.01062	.02614	.02597	.02243
SDev	.00026	.00265	.00047	.00088	.00142	.00030	.00022
%RSD	.51970	24.972	7.3243	8.2723	5.4426	1.1651	.97110
#1	.04932	.00873	.00614	.01124	.02714	.02619	.02259
#2	.04896	.01247	.00681	.01000	.02513	.02576	.02228
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	10.000	10.000	10.000	10.000	10.000		10.000
Low	-.04000	-.02000	-.00600	-.01000	-.02000		-.02000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21002	.10831	.10303	.02150	.02150	.2181
SDev	.00040	.00167	.00182	.00000	.00002	.0101
%RSD	.19220	1.5441	1.7625	.01736	.08476	4.618
#1	.21030	.10949	.10432	.02150	.02148	.2252
#2	.20973	.10713	.10175	.02149	.02151	.2110
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	10.000	10.000	10.000	50.00
Low	-.20000	-.10000	-.10000	-.02000	-.02000	-2.000

Method: 30EL Sample Name: ICSA Operator: SW
Run Time: 07/14/05 12:55:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.07481	.03795	.01703	-.00270	.00019	531.55	.00176
SDev	.00636	.00462	.00155	.00119	.00023	.46	.00005
%RSD	8.5000	12.181	9.0767	43.831	119.21	.08667	2.6677
#1	-.07032	.03468	.01812	-.00354	.00003	531.22	.00179
#2	-.07931	.04122	.01594	-.00187	.00036	531.87	.00173
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.00000	500.00	.00000
Range					.02000	100.00	.20000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00099	563.36	-.00246	.00337	-.00065	-.00350	214.42
SDev	.00000	2.15	.00035	.00052	.00014	.00005	.60
%RSD	.01015	.38176	14.122	15.478	22.428	1.3074	.28013
#1	.00099	561.84	-.00270	.00300	-.00075	-.00347	214.00
#2	.00099	564.88	-.00221	.00374	-.00054	-.00353	214.85
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	200.00
Range	.01000	100.00	.01000	.02000	.02000	.02000	40.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.06687	541.03	.00831	.13244	.00261	.00428	.00317
SDev	.00519	1.77	.00000	.00308	.00002	.00276	.00045
%RSD	7.7533	.32647	.00000	2.3286	.60186	64.537	14.099
#1	.06321	539.78	.00831	.13462	.00262	.00233	.00285
#2	.07054	542.28	.00831	.13026	.00260	.00623	.00348
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.00000		.00000	.00000	.00000
Range		100.00	.02000		.04000	.04000	.02000

Elem	Zn	As	Pb	Se	Tl	Li	Ti

Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.01287	.00198	.00040	.00387	.00026	.00027	.00243
SDev	.00058	.00135	.00097	.00028	.00305	.00063	.00010
%RSD	4.4740	68.294	241.09	7.1364	1189.5	229.16	3.9488
#1	.01246	.00294	-.00028	.00367	.00241	-.00017	.00250
#2	.01328	.00102	.00108	.00406	-.00190	.00071	.00237
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000	.00000		.00000
Range	.04000	.02000	.00600	.01000	.02000		.04000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00222	.00304	.00247	-.00230	.00766	-.0003
SDev	.00031	.00120	.00142	.00027	.00003	.0125
%RSD	13.955	39.565	57.428	11.824	.35661	4813.
#1	.00200	.00389	.00347	-.00211	.00768	-.0091
#2	.00244	.00219	.00147	-.00250	.00764	.0085
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.00000	.00000	.00000	.00000	.00000	
Range	.20000	.10000	.10000	.02000	.02000	

Method: 30EL Sample Name: ICSAB Operator: SW
Run Time: 07/14/05 12:57:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.03212	.09080	.04548	.05286	.20675	530.82	.47718
SDev	.00266	.00063	.00360	.00744	.00036	.04	.00006
%RSD	8.2900	.69339	7.9081	14.066	.17377	.00705	.01241
#1	-.03023	.09124	.04293	.04761	.20650	530.79	.47722
#2	-.03400	.09035	.04802	.05812	.20701	530.84	.47713
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.20000	500.00	.50000
Range					20.000	20.000	20.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.48452	566.96	.93260	.45559	.44451	.51233	214.62
SDev	.00074	1.73	.00079	.00046	.00109	.00002	.40
%RSD	.15276	.30426	.08510	.10079	.24602	.00438	.18692
#1	.48400	565.74	.93203	.45527	.44373	.51231	214.34
#2	.48504	568.18	.93316	.45592	.44528	.51234	214.91
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	500.00	1.0000	.50000	.50000	.50000	200.00
Range	20.000	20.000	20.000	20.000	20.000	20.000	20.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.07430	541.23	.46151	.13515	.91833	.62263	.47480
SDev	.00901	.99	.00081	.00014	.00377	.00020	.00100
%RSD	12.124	.18241	.17640	.10231	.41061	.03146	.21048
#1	.06793	540.53	.46093	.13525	.91567	.62250	.47410
#2	.08067	541.93	.46208	.13505	.92100	.62277	.47551
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass
Value		500.00	.50000		1.0000	.60000	.50000
Range		20.000	20.000		20.000	20.000	20.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.91517	.10220	.04987	.05040	.09489	1.4054	.96382
SDev	.00425	.00538	.00131	.00616	.00403	.0165	.00079
%RSD	.46435	5.2665	2.6200	12.216	4.2446	1.1714	.08220
#1	.91217	.09839	.05079	.04605	.09204	1.4170	.96326
#2	.91818	.10600	.04894	.05476	.09774	1.3937	.96438
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	1.0000	.10000	.05000	.05000	.10000		1.0000
Range	20.000	20.000	20.000	20.000	20.000		20.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0101	.93243	.93793	.97942	.95850	10.56
SDev	.0032	.00177	.00319	.00596	.00007	.01
%RSD	.31569	.18956	.34012	.60807	.00751	.0544
#1	1.0078	.93118	.93567	.97521	.95855	10.56
#2	1.0123	.93368	.94019	.98363	.95845	10.55
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	10.00
Range	20.000	20.000	20.000	20.000	20.000	20.00

Method: 30EL Sample Name: CCV Operator: SW
Run Time: 07/14/05 12:59:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	.50531	.52299	.52769	.53112	.50700	51.182	.49780
SDev	.00039	.00169	.00354	.00025	.00021	.001	.00063
%RSD	.07736	.32217	.67015	.04657	.04231	.00228	.12608
#1	.50559	.52418	.53019	.53130	.50684	51.183	.49736
#2	.50504	.52180	.52519	.53095	.50715	51.181	.49825
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					.50000	50.500	.50000
Range					10.000	10.000	10.000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe

Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.52202	54.146	.51322	.49569	.48905	.49950	21.262
SDev	.00058	.078	.00051	.00035	.00088	.00080	.025
%RSD	.11077	.14319	.09919	.07077	.17898	.15922	.11893
#1	.52161	54.201	.51286	.49594	.48843	.49894	21.280
#2	.52242	54.091	.51358	.49544	.48967	.50007	21.244
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.500	.50000	.50000	.50000	.50000	20.500
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	19.990	51.652	.49491	20.245	.51036	.52616	.50047
SDev	.056	.028	.00073	.062	.00233	.00016	.00045
%RSD	.27891	.05382	.14672	.30647	.45715	.03116	.08949
#1	19.950	51.672	.49440	20.202	.50871	.52604	.50079
#2	20.029	51.633	.49542	20.289	.51201	.52627	.50016
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	50.500	.50000	20.500	.50000	.50000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.50635	.52177	.51711	.52998	.52584	.68093	.50445
SDev	.00135	.00010	.00125	.00134	.00058	.05358	.00080
%RSD	.26592	.01948	.24251	.25331	.10991	7.8691	.15872
#1	.50540	.52184	.51799	.53093	.52625	.64304	.50388
#2	.50730	.52170	.51622	.52903	.52543	.71882	.50501
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value	.50000	.50000	.50000	.50000	.50000		.50000
Range	10.000	10.000	10.000	10.000	10.000		10.000

Elem	B	Si	Sn	Mo	Sr	U
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0345	.26672	.48991	.51809	.50587	10.47
SDev	.0031	.00015	.00245	.00083	.00050	.00
%RSD	.29548	.05719	.50072	.16057	.09872	.0153
#1	1.0323	.26683	.48818	.51867	.50551	10.47
#2	1.0367	.26662	.49165	.51750	.50622	10.47
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.25000	.50000	.50000	.50000	10.00
Range	10.000	10.000	10.000	10.000	10.000	10.00

Method: 30EL Sample Name: CCB Operator: SW
Run Time: 07/14/05 13:02:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	2203/1	2203/2	1960/1	1960/2	Ag	Al	Ba
Units					PPM	PPM	PPM
Avge	-.00053	-.00134	.00803	.00163	.00080	.07668	.00027
SDev	.00184	.00112	.00597	.00438	.00011	.00085	.00000
%RSD	343.75	83.812	74.434	269.10	13.735	1.1025	.00000
#1	.00077	-.00214	.01225	-.00147	.00072	.07609	.00027
#2	-.00184	-.00055	.00380	.00472	.00087	.07728	.00027
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High					.01000	.20000	.10000
Low					-.01000	-.20000	-.10000

Elem	Be	Ca	Cd	Co	Cr	Cu	Fe
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.00013	.06129	.00032	.00038	-.00003	-.00167	.03332
SDev	.00001	.00197	.00015	.00017	.00011	.00002	.00170
%RSD	6.1268	3.2209	46.890	45.976	334.69	1.0129	5.0913
#1	.00013	.05990	.00022	.00025	.00004	-.00168	.03452
#2	.00014	.06269	.00043	.00050	-.00011	-.00166	.03212
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	1.0000	.00500	.01000	.01000	.01000	.10000
Low	-.00500	-1.0000	-.00500	-.01000	-.01000	-.01000	-.10000

Elem	K_	Mg	Mn	Na	Ni	Sb	V_
Units	PPM	PPM	PPM	PPM	PPM	PPM	PPM
Avge	.15278	.06642	.00029	.10529	.00011	.00078	.00029
SDev	.00524	.00019	.00003	.00034	.00036	.00063	.00009
%RSD	3.4324	.28754	10.095	.32665	313.58	81.387	30.048
#1	.15649	.06629	.00027	.10505	.00037	.00122	.00023
#2	.14907	.06656	.00031	.10553	-.00014	.00033	.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	1.0000	.01000	1.0000	.02000	.02000	.01000
Low	-1.0000	-1.0000	-.01000	-1.0000	-.02000	-.02000	-.01000

Elem	Zn	As	Pb	Se	Tl	Li	Ti
Units	PPM	PPM	PPM	PPM	PPM	ppm	ppm
Avge	.00008	.00100	-.00107	.00376	.00443	.00094	.00019
SDev	.00013	.00234	.00014	.00093	.00410	.00031	.00009
%RSD	164.87	232.51	12.840	24.791	92.513	33.443	49.388
#1	-.00001	.00266	-.00117	.00310	.00732	.00071	.00025
#2	.00017	-.00065	-.00098	.00442	.00153	.00116	.00012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	.02000	.01000	.00300	.00500	.01000		.01000
Low	-.02000	-.01000	-.00300	-.00500	-.01000		-.01000

Elem	B	Si	Sn	Mo	Sr	U

Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00194	.00199	.00095	.00048	-.00029	.0069
SDev	.00004	.00017	.00034	.00088	.00001	.0010
%RSD	1.9955	8.3109	36.174	185.19	4.2405	13.88
#1	.00197	.00188	.00119	.00110	-.00029	.0062
#2	.00192	.00211	.00071	-.00015	-.00028	.0076
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.10000	.05000	.05000	.01000	.01000	
Low	-.10000	-.05000	-.05000	-.01000	-.01000	

Header Information for Analytical Run: 05063001

Analyst: CJD

Standards:

Stock A: 10ppm (ST050629-5)
Stock B: 10ppm (ST050629-4)
Daily standards made by diluting stock solution 100X

Reagents:

See digestion log

Pipettes Used:

M-56 - 0.01 mL to 0.1 mL
M-58 - 1.0 mL to 5.0 mL
M-60 - 0.1 mL to 1.0 mL

Method of Dilution:

2X - Dilution made by diluting 5ml of sample to 10ml final volume.
5X - Dilution made by diluting 2.0ml of sample to 10ml final volume.
10X - Dilution made by diluting 1.0ml of sample to 10ml final volume.
20X - Dilution made by diluting 0.5ml of sample to 10ml final volume.
50X - Dilution made by diluting 0.2ml of sample to 10ml final volume.
100X - Dilution made by diluting 0.1ml of sample to 10ml final volume.
500X - Dilution made by diluting a 5X dilution 100X
1000X – Dilution made by diluting a 10X dilution 100X

Daily Maintenance:

1. Check / Change peristaltic pump tubing
2. Check gas liquid separator for deposits, clean if necessary
3. Check / Refill rinse water and stannous chloride reservoirs
4. Record Hg intensity / Hg lamp current

Daily Maintenance done by: CJD

Monthly Maintenance:

1. Check / Clean sample and reference cells
2. Check / Change Nafion drying cartridge

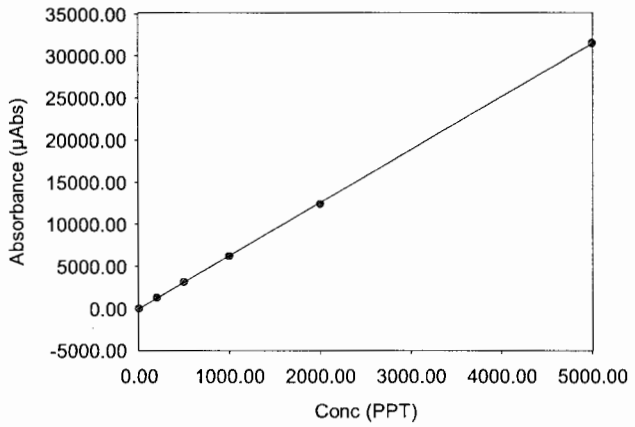
Monthly Maintenance done by: CJD 6-13-05

CETAC Hg Analysis Report - 05063001.DB - Thursday, June 30, 2005, 6:14:46 PM

Analyst
Date Started Thursday, June 30, 2005, 16:47:00
Worksheet PARAGON
Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	30-Jun-2005, 16:47	0.00	43.60	7.03	9	10	5	4	
Standard #1	30-Jun-2005, 16:48	200.00	0.82	1290.00	1280	1289	1294	1305	
Standard #2	30-Jun-2005, 16:50	500.00	2.24	3130.00	3051	3104	3162	3212	
Standard #3	30-Jun-2005, 16:51	1000.00	1.33	6200.00	6094	6179	6240	6284	
Standard #4	30-Jun-2005, 16:53	2000.00	1.47	12300.00	12121	12279	12417	12543	
Standard #5	30-Jun-2005, 16:55	5000.00	1.37	31500.00	30995	31393	31714	32000	

Calibration Data



Int.	-48.922
Slope	6.298
Correlation	0.99995

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
IPC	30-Jun-2005, 16:56	1980.00	1.12	12400.00	12274	12413	12507	12601	
ICV	30-Jun-2005, 16:58	978.00	1.14	6110.00	6018	6095	6138	6183	
ICB	30-Jun-2005, 16:59	11.60	1.18	23.80	23	23	24	25	
CRA	30-Jun-2005, 17:01	202.00	0.93	1230.00	1211	1222	1236	1235	
HG050630-1MB	30-Jun-2005, 17:02	9.33	0.53	9.85	10	10	9	10	
HG050630-1LCS	30-Jun-2005, 17:04	981.00	1.22	6130.00	6036	6100	6158	6211	
HG050630-1LCSD	30-Jun-2005, 17:06	975.00	1.15	6090.00	6006	6078	6121	6172	
EX050629-8MB	30-Jun-2005, 17:07	9.04	1.82	8.03	8	9	7	8	
EX050629-8LCS	30-Jun-2005, 17:09	966.00	1.33	6040.00	5937	6012	6080	6121	
EX050629-8LCSD	30-Jun-2005, 17:10	984.00	0.97	6150.00	6076	6128	6177	6215	
F050628-1MB	30-Jun-2005, 17:12	11.40	7.39	23.10	30	23	20	18	
0506194-1	30-Jun-2005, 17:14	15.40	3.52	47.90	52	48	47	44	
0506194-2	30-Jun-2005, 17:15	12.90	4.82	32.60	37	32	33	28	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCV	30-Jun-2005, 17:17	2000.00	1.45	12600.00	12354	12514	12656	12780	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCB	30-Jun-2005, 17:19	12.30	11.70	28.80	41	29	25	20	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
0506195-1	30-Jun-2005, 17:20	12.00	3.20	26.50	30	26	25	25	
0506196-1	30-Jun-2005, 17:22	12.30	5.50	28.80	34	26	25	31	
0506210-1	30-Jun-2005, 17:23	11.20	4.61	21.70	26	22	21	18	
0506258-1	30-Jun-2005, 17:25	13.60	8.37	37.00	47	37	31	33	
0506258-3	30-Jun-2005, 17:27	14.10	3.80	39.70	44	40	39	36	
0506258-3D	30-Jun-2005, 17:28	13.00	6.50	33.10	40	33	33	27	
0506258-3MS	30-Jun-2005, 17:30	1020.00	1.34	6370.00	6265	6353	6420	6462	
0506258-3MSD	30-Jun-2005, 17:32	1030.00	1.33	6430.00	6322	6396	6461	6523	
0506258-5	30-Jun-2005, 17:33	17.10	7.75	58.70	69	62	54	50	
0506258-7	30-Jun-2005, 17:35	15.20	6.01	46.50	53	49	45	39	

CETAC Hg Analysis Report - 05063001.DB - Thursday, June 30, 2005, 6:14:47 PM

Analyst
Date Started Thursday, June 30, 2005, 17:36:53
Worksheet PARAGON
Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCV	30-Jun-2005, 17:36	2030.00	1.48	12700.00	12494	12675	12817	12932	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCB	30-Jun-2005, 17:38	11.90	8.07	26.00	33	28	23	19	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
0506199-5	30-Jun-2005, 17:40	12.80	2.05	31.80	34	32	32	30	
0506200-13	30-Jun-2005, 17:41	75.70	0.97	428.00	421	430	431	430	
0506217-10	30-Jun-2005, 17:43	17.50	2.08	61.30	64	62	59	60	
0506217-11	30-Jun-2005, 17:44	20.60	1.21	80.70	79	80	82	82	
0506218-14	30-Jun-2005, 17:46	13.80	4.79	37.90	42	40	37	32	
0506201-15	30-Jun-2005, 17:48	11.30	0.97	22.50	23	23	22	22	
0506201-15D	30-Jun-2005, 17:49	10.10	1.30	14.40	14	15	15	13	
0506201-15MS	30-Jun-2005, 17:51	1990.00	1.27	12500.00	12258	12421	12539	12624	
0506201-15MSD	30-Jun-2005, 17:53	1960.00	1.45	12300.00	12094	12242	12385	12508	
0506224-2	30-Jun-2005, 17:54	9.14	3.39	8.66	11	9	7	7	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCV	30-Jun-2005, 17:56	1990.00	1.61	12500.00	12253	12453	12603	12723	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCB	30-Jun-2005, 17:58	10.20	1.50	15.40	17	15	15	15	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
0506224-7	30-Jun-2005, 17:59	9.00	1.07	7.76	8	7	8	8	
0506224-15	30-Jun-2005, 18:01	9.40	1.57	10.30	11	11	9	10	
0506224-15D	30-Jun-2005, 18:02	8.66	2.76	5.60	7	4	7	5	
0506224-15MS	30-Jun-2005, 18:04	2090.00	1.65	13100.00	12805	13032	13191	13306	
0506224-15MSD	30-Jun-2005, 18:06	2060.00	1.14	12900.00	12717	12869	12977	13057	
0506224-16	30-Jun-2005, 18:07	9.25	2.26	9.30	10	10	9	7	
CJD 7/1/05 ~~0506179-3-10X~~	~~30-Jun-2005, 18:09~~	~~292.00~~	~~1.42~~	~~1790.00~~	~~1760~~	~~1784~~	~~1806~~	~~1820~~	Do Not Use Data

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCV	30-Jun-2005, 18:11	1990.00	1.42	12500.00	12233	12408	12546	12643	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCB	30-Jun-2005, 18:12	11.70	4.22	24.40	23	29	22	24	

Header Information for Analytical Run: 05070702

Analyst: CJD

Standards:

Stock A: 10ppm (ST050629-5)
Stock B: 10ppm (ST050629-4)
Daily standards made by diluting stock solution 100X

Reagents:

See digestion log

Pipettes Used:

M-56 - 0.01 mL to 0.1 mL
M-58 - 1.0 mL to 5.0 mL
M-60 - 0.1 mL to 1.0 mL

Method of Dilution:

2X - Dilution made by diluting 5ml of sample to 10ml final volume.
5X - Dilution made by diluting 2.0ml of sample to 10ml final volume.
10X - Dilution made by diluting 1.0ml of sample to 10ml final volume.
20X - Dilution made by diluting 0.5ml of sample to 10ml final volume.
50X - Dilution made by diluting 0.2ml of sample to 10ml final volume.
100X - Dilution made by diluting 0.1ml of sample to 10ml final volume.
500X - Dilution made by diluting a 5X dilution 100X
1000X – Dilution made by diluting a 10X dilution 100X

Daily Maintenance:

1. Check / Change peristaltic pump tubing
2. Check gas liquid separator for deposits, clean if necessary
3. Check / Refill rinse water and stannous chloride reservoirs
4. Record Hg intensity / Hg lamp current

Daily Maintenance done by: CJD

Monthly Maintenance:

1. Check / Clean sample and reference cells
2. Check / Change Nafion drying cartridge

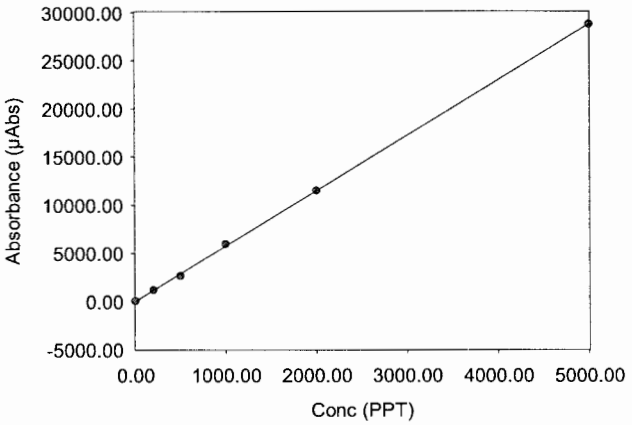
Monthly Maintenance done by: CJD 6-13-05

CETAC Hg Analysis Report - 05070702.DB - Thursday, July 07, 2005, 5:50:12 PM

Analyst
Date Started Thursday, July 07, 2005, 16:28:32
Worksheet PARAGON
Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	07-Jul-2005, 16:28	0.00	17.70	17.20	17	14	16	21	
Standard #1	07-Jul-2005, 16:30	200.00	1.08	1140.00	1155	1149	1136	1127	
Standard #2	07-Jul-2005, 16:31	500.00	0.84	2640.00	2660	2646	2610	2627	
Standard #3	07-Jul-2005, 16:33	1000.00	1.35	5920.00	5904	6000	5951	5813	
Standard #4	07-Jul-2005, 16:34	2000.00	3.85	11500.00	11981	11734	11239	11019	
Standard #5	07-Jul-2005, 16:36	5000.00	0.57	28800.00	28527	28765	28810	28913	

Calibration Data



Int.	-23.064
Slope	5.758
Correlation	0.99993

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
IPC	07-Jul-2005, 16:50	1980.00	0.69	11400.00	11507	11374	11328	11364	
ICV	07-Jul-2005, 16:51	974.00	0.50	5590.00	5602	5614	5576	5551	
ICB	07-Jul-2005, 16:53	6.34	3.68	13.40	11	14	14	14	
CRA	07-Jul-2005, 16:55	225.00	0.58	1270.00	1275	1274	1280	1262	
HG050707-1MB	07-Jul-2005, 16:56	7.77	7.08	21.70	20	26	22	19	
HG050707-1LCS	07-Jul-2005, 16:58	1050.00	1.11	6030.00	6091	6077	6022	5943	
EX050706-8MB	07-Jul-2005, 16:59	8.15	8.41	23.80	21	20	27	27	
EX050706-8LCS	07-Jul-2005, 17:01	1030.00	3.26	5890.00	6072	5985	5880	5627	
EX050706-8LCSD	07-Jul-2005, 17:03	1020.00	1.59	5850.00	5889	5924	5878	5714	
0507008-1	07-Jul-2005, 17:04	8.85	2.58	27.90	26	28	29	28	
0507008-3	07-Jul-2005, 17:06	9.64	11.30	32.50	28	36	40	27	
0507008-5	07-Jul-2005, 17:07	8.06	7.44	23.40	20	26	21	26	
0507008-5D	07-Jul-2005, 17:09	11.10	2.55	41.10	43	40	41	40	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCV	07-Jul-2005, 17:11	2100.00	0.69	12100.00	11961	12125	12144	12107	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCB	07-Jul-2005, 17:12	7.92	15.30	22.60	23	14	23	31	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
0507008-5MS	07-Jul-2005, 17:14	1060.00	1.37	6110.00	6184	6171	6061	6013	
0507008-5MSD	07-Jul-2005, 17:16	1030.00	4.82	5920.00	5831	5668	5863	6336	
0507008-7	07-Jul-2005, 17:17	7.58	3.75	20.60	22	22	20	18	
0506251-9	07-Jul-2005, 17:19	8.68	2.78	26.90	29	27	26	25	
0506251-9D	07-Jul-2005, 17:20	8.97	2.51	28.60	30	27	29	29	
0506251-9MS	07-Jul-2005, 17:22	1850.00	10.20	10600.00	9520	9991	11059	11929	
0506251-9MSD	07-Jul-2005, 17:24	1990.00	1.65	11500.00	11411	11611	11601	11208	
0506255-1	07-Jul-2005, 17:25	224.00	2.01	1270.00	1275	1287	1270	1228	
0506255-4	07-Jul-2005, 17:27	7.25	7.29	18.70	22	20	19	14	
0506264-4	07-Jul-2005, 17:28	11.40	14.20	42.50	32	40	44	54	

CETAC Hg Analysis Report - 05070702.DB - Thursday, July 07, 2005, 5:50:13 PM

Analyst
Date Started Thursday, July 07, 2005, 17:30:35
Worksheet PARAGON
Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCV	07-Jul-2005, 17:30	2050.00	0.89	11800.00	11828	11656	11763	11905	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCB	07-Jul-2005, 17:32	8.33	5.24	24.90	27	25	21	26	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
0506217-17	07-Jul-2005, 17:33	8.44	9.25	25.50	25	31	26	20	
0506265-20	07-Jul-2005, 17:35	8.88	4.10	28.10	27	26	28	31	
0506265-21	07-Jul-2005, 17:37	8.12	3.65	23.70	25	23	22	25	
0506265-21D	07-Jul-2005, 17:38	6.36	7.43	13.50	17	10	15	13	
0506265-21MS	07-Jul-2005, 17:40	1960.00	1.06	11300.00	11445	11248	11176	11214	
0506265-21MSD	07-Jul-2005, 17:41	2170.00	2.23	12500.00	12096	12453	12526	12771	
0506265-22	07-Jul-2005, 17:43	9.96	5.07	34.30	30	37	35	36	
0506265-23	07-Jul-2005, 17:45	7.29	4.24	18.90	17	20	21	18	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCV	07-Jul-2005, 17:46	2120.00	2.06	12200.00	12524	12216	12022	11968	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCB	07-Jul-2005, 17:48	7.31	4.02	19.10	18	18	22	18	

Header Information for Analytical Run: 05071401

Analyst: CJD

Standards:

Stock A: 10ppm (ST050629-5)
Stock B: 10ppm (ST050629-4)
Daily standards made by diluting stock solution 100X

Reagents:

See digestion log

Pipettes Used:

M-56 - 0.01 mL to 0.1 mL
M-58 - 1.0 mL to 5.0 mL
M-60 - 0.1 mL to 1.0 mL

Method of Dilution:

2X - Dilution made by diluting 5ml of sample to 10ml final volume.
5X - Dilution made by diluting 2.0ml of sample to 10ml final volume.
10X - Dilution made by diluting 1.0ml of sample to 10ml final volume.
20X - Dilution made by diluting 0.5ml of sample to 10ml final volume.
50X - Dilution made by diluting 0.2ml of sample to 10ml final volume.
100X - Dilution made by diluting 0.1ml of sample to 10ml final volume.
500X - Dilution made by diluting a 5X dilution 100X
1000X – Dilution made by diluting a 10X dilution 100X

Daily Maintenance:

1. Check / Change peristaltic pump tubing
2. Check gas liquid separator for deposits, clean if necessary
3. Check / Refill rinse water and stannous chloride reservoirs
4. Record Hg intensity / Hg lamp current

Daily Maintenance done by: CJD

Monthly Maintenance:

1. Check / Clean sample and reference cells
2. Check / Change Nafion drying cartridge

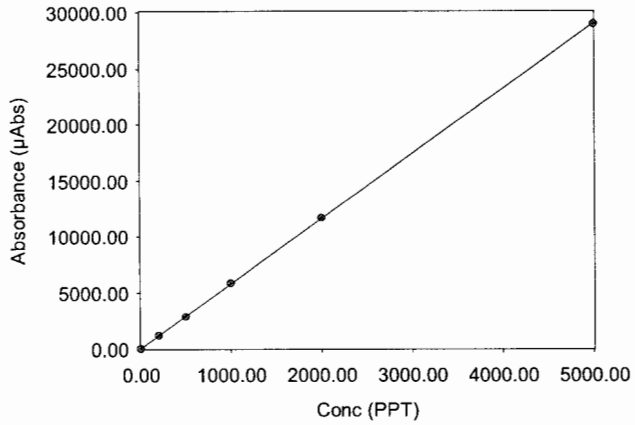
Monthly Maintenance done by: CJD 6-13-05

CETAC Hg Analysis Report - 05071401.DB - Thursday, July 14, 2005, 12:31:54 PM

Analyst
Date Started Thursday, July 14, 2005, 11:22:20
Worksheet PARAGON
Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	14-Jul-2005, 11:22	0.00	282.00	1.16	-1	-0	-1	6	
Standard #1	14-Jul-2005, 11:23	200.00	0.63	1180.00	1178	1193	1180	1176	
Standard #2	14-Jul-2005, 11:25	500.00	1.67	2870.00	2925	2896	2843	2821	
Standard #3	14-Jul-2005, 11:27	1000.00	0.58	5900.00	5906	5925	5906	5847	
Standard #4	14-Jul-2005, 11:28	2000.00	0.50	11700.00	11693	11720	11634	11591	
Standard #5	14-Jul-2005, 11:30	5000.00	2.56	29000.00	28098	28657	29300	29797	

Calibration Data



Int.	30.454
Slope	5.792
Correlation	0.99999

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
IPC	14-Jul-2005, 11:35	2000.00	1.60	11600.00	11766	11749	11603	11366	
ICV	14-Jul-2005, 11:36	1010.00	1.49	5860.00	5854	5958	5894	5751	
ICB	14-Jul-2005, 11:38	-5.27	8.25	-0.08	2	-1	2	-3	
CRA	14-Jul-2005, 11:40	186.00	2.63	1110.00	1129	1126	1117	1068	
HG050713-1MB	14-Jul-2005, 11:41	-3.38	26.40	10.90	18	11	5	10	
HG050713-1LCS	14-Jul-2005, 11:43	1000.00	1.02	5830.00	5862	5877	5844	5745	
HG050713-1LCSD	14-Jul-2005, 11:44	981.00	1.43	5710.00	5674	5748	5807	5622	
EX050712-8MB	14-Jul-2005, 11:46	-1.36	105.00	22.60	33	23	22	12	
EX050712-8LCS	14-Jul-2005, 11:48	951.00	1.22	5540.00	5532	5477	5515	5634	
0507084-1	14-Jul-2005, 11:49	-2.56	18.90	15.60	16	19	15	12	
0507084-2	14-Jul-2005, 11:51	2.43	13.60	44.50	43	47	43	45	
0507084-3	14-Jul-2005, 11:53	10.10	4.98	89.10	85	89	91	91	
0507085-1	14-Jul-2005, 11:54	3.01	7.74	47.90	49	49	47	47	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCV	14-Jul-2005, 11:56	1870.00	1.15	10800.00	10789	10748	10825	11028	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCB	14-Jul-2005, 11:57	0.79	48.70	35.00	33	34	38	36	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
0506217-12	14-Jul-2005, 11:59	-1.63	7.17	21.00	21	21	21	22	
0506217-13	14-Jul-2005, 12:01	-1.63	12.90	21.00	21	22	20	22	
0506217-14	14-Jul-2005, 12:02	0.30	358.00	32.20	39	31	34	24	
0506217-15	14-Jul-2005, 12:04	3.84	15.90	52.70	48	54	57	52	
0506217-15D	14-Jul-2005, 12:05	0.55	186.00	33.60	41	37	28	29	
0506217-15MS	14-Jul-2005, 12:07	1910.00	4.37	11100.00	10719	10725	11142	11744	
0506217-15MSD	14-Jul-2005, 12:09	1950.00	1.23	11300.00	11139	11242	11369	11455	
0506217-16	14-Jul-2005, 12:10	-1.86	21.20	19.70	19	17	22	21	
0506217-18	14-Jul-2005, 12:12	-0.39	312.00	28.20	38	26	22	26	
0506217-19	14-Jul-2005, 12:14	-2.50	72.50	16.00	26	22	15	2	

Analyst
Date Started Thursday, July 14, 2005, 12:15:41
Worksheet PARAGON
Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCV	14-Jul-2005, 12:15	1970.00	0.36	11400.00	11394	11441	11474	11488	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCB	14-Jul-2005, 12:17	0.81	130.00	35.20	40	39	36	26	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
0506217-20	14-Jul-2005, 12:18	-4.85	28.60	2.36	14	2	-2	-4	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCV	14-Jul-2005, 12:20	2030.00	0.47	11800.00	11702	11736	11782	11829	

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. µAbs	Readings				Flags
CCB	14-Jul-2005, 12:22	-0.25	104.00	29.00	30	27	28	31	

Miscellaneous

METALS DIGESTION WORKSHEET

Paragon Analytics

Digestion Date 6/29/05 | HCl Lot No. A52026 | Method: 3005 | Beaker Lot No. 4356437 | Initial Prep fm | Final Prep fm

Digestion Batch 1/050629-2 | HNO_3 Lot No. 601041 | SOP/Rev: 806 Rev 11 | Avg. Beaker Wt. (g) 7.47 | Prep Start Time 1225 | Prep End Time 1810

Water Bath Temp 95 °C | Peroxide Lot No. N/A | Balance(s): #4 | Digestate Wt. (g) 51.18

Form 805r15.xls (1/8/04) | Pipet(s): M-51 | Reviewed by / date KEM 6/30/05

000031

QC Grp	Lab Sample ID	Instrument	Init Vol/Wt (mL/g)	Final Vol. (mL)	Target Wt. (g)	pH	Texture	Before color	Before clarity	After color	After clarity	Comments, including metals list	LIMS QCA
1/2	050612 2-22	Tr/Cl/MS	50.0	50.0	58.6	<2	N/A	COLORLESS	CLEAR	COLORLESS	CLEAR	Tr-8 Tl-10 Total-Co,Ni,Cd,Pb,Cr-L,As-Cd, Se,Tl&V	1/2
1	050619 9- 5	Tr	50.0		58.6							As, Cr, Se FILTERED W/F050628-1MB	3
	050620 0-13		50.0		58.6								4
	050621 7-10		50.0		58.6			YELLOW	CLOUDY	ORANGE	CLOUDY	As, Ba, Cd, Cr, Pb, Se, & Ag	
	-11		50.0		58.6					YELLOW			
1/2	050621 8-14	Tr/Cl/MS	50.0		58.6			COLORLESS	CLEAR	COLORLESS	CLEAR	SAME ELEMENTS AS 122	1/2

6/29/05 fm

ICP

LCS	F050628-1LCS	Tr/Cl	50.0	50.0	58.6
~~LCS 2~~		6/29/05 fm			

ICP MS

LCS	1M050629-2LCS	MS	50.0	50.0	58.6
~~LCS 2~~		6/29/05 fm			
PB	F050628-1MB	Tr/Cl/MS	50.0	50.0	58.6
#1 D	050612 2-22D		50.0		58.6
S	-22MS	Tr/Cl	50.0		58.6
DS	-22MSD		50.0		58.6

(Note: QC Sample information presented at left.)

Fill out info. below only if additional batch QC samples are needed.

	(MS) Lab Sample ID	Init Vol/Wt. (mL/g)	Final Vol. (mL)	Target Wt. (g)
#2 D	050612 2-22MS	50.0	50.0	58.6
S	-22MSD	50.0		58.6
DS				
#3 D				
S				
DS				

6/29/05 fm

Spiking Information

QC	Amount
(Tr/Cl) ST050517-3(c)	0.25mL
ST050519-3(z)	1.0mL
ST050620-9(cation)	1.0mL
(MS) ST040603-2	0.5mL

METALS DIGESTION WORKSHEET

Paragon Analytics

Digestion Date 7/7/05 | HCl Lot No. 614032 | Method: 3010 | Beaker Lot No. 4356437 | Initial Prep PM | Final Prep PM

Digestion Batch 11050707-1 | HNO_3 Lot No. 601041 | SOP/Rev: 806 REV 11 | Avg. Beaker Wt. (g) 7.47 | Prep Start Time 1210 | Prep End Time 1945

Water Bath Temp 95 °C | Peroxide Lot No. N/A | Balance(s): #4 | Digestate Wt. (g) 52.38

Form 805r15.xls (1/8/04) | Pipet(s): M-51 | Reviewed by / date PEM 7/08/05

000049

QC Grp	Lab Sample ID	Instrument	Init Vol/Wt (mL / g)	Final Vol. (mL)	Target Wt. (g)	pH	Texture	Before color	Before clarity	After color	After clarity	Comments, including metals list	LIMS QCA
1	0506217-17	Tr	5.0	50.0	59.9	<2	N/A	COLORLESS	CLEAR	COLORLESS	CLEAR	NONA	
	0506265-20		5.0		59.9			YELLOW					
	-21		5.0		59.9								
	-22		5.0		59.9								
	-23		5.0		59.9								

7/7/05 PM

ICP

LCS	EX050706-8LCS	Tr	5.0	50.0	59.9
LCS 2	-8LCSD		5.0		

ICP MS

LCS	7/7/05 PM				
LCS 2					
PB	EX050706-8MB	Tr	5.0	50.0	59.9
#1 D	0506217-17D		5.0		59.9
S	-17MS		5.0		59.9
DS	-17MSD		5.0		59.9

(Note: QC Sample information presented at left.)

Fill out info. below only if additional batch QC samples are needed.

	Lab Sample ID	Init Vol/Wt. (mL / g)	Final Vol. (mL)	Target Wt. (g)
~~#2 D~~				
S				
DS		7/7/05		
#3 D		PM		
S				
~~DS~~				

Spiking Information

QC	Amount
ST050517-3 (C)	0.25mL
ST050519-3 (Z)	1.0mL

Logbook No./Page 287941 B

Paragon Analytics

LEACHING PROCEDURE WORKSHEET

Work Order # 0506265, 0506217	(Start) Date 7/6/05 Time 18:15	(Stop) Date 7/7/05 Time 11:15 RPM ~30 rpm
Batch ID # EX050706-8	(Start) RPM ~30 rpm Temp. 23.5 °C *(from min/max SN 21251556)*	(Stop) Temp. 23.5 °C Tumble Min/Max 21.0/23.5°C
Method 1311 SOP 609 Rev 10	(Start) Analyst TSA RESET MIN/MAX AFTER READING OBTAINED	RESET AFTER EACH READING (Stop) Analyst TSA
Extraction Fluid ID TCLP fluid #2	Filtration Date/Time 7/7/05 1120-1145 (for organics) Initials TSA	Reviewed By / Date SPW 7-7-05

Preliminary Solids[a]	Particle Size Reduction[b]	Sample Number	Initi pH	Fluid Determination HCl (mL)	Final pH	Fluid No.	Fluid pH	Sample Weight (g)	Fluid (mL)	Final pH	Leachate No.	Comments
I (S) M	Y (N)	MB	N/A	→	→	2	2.84	100.00	2,000	2.83	-MB	
I (S) M	Y (N)	0506265-16	8.63	3.5mL	5.35	2	↓	100.00	↓	5.67	-20	
I (S) M	Y (N)	-17	8.82	↓	6.02	2	↓	100.00	↓	5.76	-21	
I (S) M	Y (N)	-18	8.67	↓	6.85	2	↓	100.00	↓	5.71	-22	
I (S) M	Y (N)	-19	8.81	↓	6.15	2	↓	100.00	↓	5.69	-23	
I (S) M	Y (N)	0506217-6	8.22	3.5mL	5.65	2	↓	100.00	↓	5.31	-17	Metals TCLP only
~~I S M~~	~~Y N~~											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
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I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											

TSA 7/7/05

[a] I = insignificant (< 0.5%); S = 100%; M = Multiphasic (see attached % Solids Determination form).

[b] Y = Yes - reduction required / performed; N = no partical size reduction required.

INTERNAL COC TRANSFER: Relinquished by TSA (initials) to Metals Lab (N/A) (RU# & location) 7/7/05 11:50 (Date & Time)

Form 623r10.doc (12/23/2004)

METALS DIGESTION WORKSHEET

Paragon Analytics

Digestion Date 7/13/05 | HCl Lot No. 614032 | Method: 3010 | Beaker Lot No. 4356437 | Initial Prep PM | Final Prep PM

Digestion Batch 1050713-1 | HNO_3 Lot No. 801041 | SOP/Rev: 806 rev 11 | Avg. Beaker Wt. (g) 7.47 | Prep Start Time 1225 | Prep End Time 1625

Water Bath Temp 95 °C | Peroxide Lot No. N/A | Balance(s): #4 | Digestate Wt. (g) 52.38

Form 805r15.xls (1/8/04) | Pipet(s): M-51 | Reviewed by / date RCM 7/14/05

000062

QC Grp	Lab Sample ID	Instrument	Init Vol/Wt (mL / g)	Final Vol. (mL)	Target Wt. (g)	pH	Texture	Before color	Before clarity	After color	After clarity	Comments, including metals list	LIMS QCA
1	0506217-12	Tn	5.0	50.0	59.9	<2	N/A	COLORLESS	CLEAR	COLORLESS	CLEAR	NONA	1
	-13		5.0		59.9			LIGHT YELLOW					
	-14		5.0		59.9								
	-15		5.0		59.9			COLORLESS					
	-16		5.0		59.9			LIGHT YELLOW					
	-18		5.0		59.9								
	-19		5.0		59.9				CLOUDY				
	-20		5.0		59.9				CLEAR				

7/13/05 PM

ICP					
LCS	EXO50712-8LCS	Tn	5.0	50.0	59.9
~~LCS 2~~					

7/13/05 PM

ICP MS					
LCS					
LCS 2					
PB	EXO50712-8MB	Tn	5.0	50.0	59.9
#1 D	0506217-12D		5.0		59.9
S	-12MS		5.0		59.9
DS	-12MSD		5.0		59.9

(Note: QC Sample information presented at left.)

Fill out info. below only if additional batch QC samples are needed.

	Lab Sample ID	Init Vol/Wt. (mL / g)	Final Vol. (mL)	Target Wt. (g)
~~#2 D~~				
S				
DS				
#3 D				
S				
DS				

7/13/05 PM

Spiking Information

QC	Amount
STO50517-3(L)	0.25mL
STO50519-3(Z)	1.0mL

551

Logbook No./Page 287942 B

Paragon Analytics

LEACHING PROCEDURE WORKSHEET

Work Order # 0506217
Batch ID # EX050712-8
Method 1311 SOP 609 Rev 10

(Start) Date 7/12/05 Time 15:10
(Start) RPM ~30rpm Temp. 23.5 °C (*from min/max* SN 21251556)
(Start) Analyst TSA RESET MIN/MAX AFTER READING OBTAINED

(Stop) Date 7/13/05 Time 10:45 RPM ~30rpm
(Stop) Temp. 23.5 °C Tumble Min/Max 21.0°/24.0°C
RESET AFTER EACH READING (Stop) Analyst TSA

Extraction Fluid ID TCLP fluid #1 "fat" Filtration Date/Time/ N/A (Metals will filter) Initials N/A

Reviewed By / Date SAW 7-13-05

Preliminary Solids[a]	Particle Size Reduction[b]	Sample Number	Initi pH	Fluid Determination HCl (mL)	Final pH	Fluid No.	Fluid pH	Sample Weight (g)	Fluid (mL)	Final pH	Leachate No.	Comments
I (S) M	Y (N)	MB	NA	→		1	4.94	100.00	2,000	4.94	-MB	
I (S) M	Y (N)	0506217 -1	7.04	3.5mL	1.85	1		100.00		5.39	-12	
I (S) M	Y (N)	-2	6.03		2.67	1		100.00		6.00	-13	
I (S) M	Y (N)	-3	6.24		1.89	1		100.00		5.44	-14	
I (S) M	Y (N)	-4	7.97		1.85	1		100.00		5.15	-15	
I (S) M	Y (N)	-5	7.27		1.87	1		100.00		5.15	-16	
I (S) M	Y (N)	-7	7.79		2.16	1		100.00		5.63	-18	
I (S) M	Y (N)	-8	4.97	(N/A)	N/A	1		100.00		5.05	-19	
I (S) M	Y (N)	-9	5.62		1.80	1		100.00		4.99	-20	
~~I S M~~	~~Y N~~											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											
I S M	Y N											

TSA 7/13/05

[a] I = Significant (< 0.5%); S = 100%; M = Multiphasic (see attached % Solids Determination form).
[b] Y = Yes - reduction required / performed; N = no partical size reduction required.

INTERNAL COC TRANSFER: Relinquished by TSA (initials) to Metals Lab (N/A) (RU# & location) 7/13/05 11:15 (Date & Time)

Form 623r10.doc (12/23/2004)

Paragon Analytics

293408

MERCURY DIGESTION - WATER/TCLP

Method: 245.1 / 7470 / 7470 ILV SOP 812 / Rev: 11 Page 1 of 2

Digestion Date 6-30-05 Digestion Analyst CJD Spike Witness N/A

Water Bath Temp. 95 °C Time on 13:45 Time off 15:45

Date Analyzed 6/30/05 Analyst CJD Analytical Filename 05063001

Tube #	Solution ID	Spike Solution	Spike Volume (mL)	H_2O Added (mL)	Sample Aliquot (mL or g)	Final Volume (mL)	Comments
STD 1	0 ppb	-	-	20.0	-	20.0	
2	0.2 ppb	A	0.04	20.0	-	20.0	
3	0.5 ppb	A	0.1	19.9	-	20.0	
4	1.0 ppb	A	0.2	19.8	-	20.0	
5	2.0 ppb	A	0.4	19.6	-	20.0	
6	5.0 ppb	A	1.0	19.0	-	20.0	
SAMPLE 1	ICV	B	0.2	19.8	-	20.0	
2	ICB	-	-	20.0	-	20.0	
3	CRA-0.2 ppb	A	0.04	20.0	-	20.0	
4	H6050630-1 MB	—	—	20.0	—	20.0	
5	-1 LCS	A	0.2	19.8	—	20.0	
6	-1 LCSD	A	0.2	19.8	—	20.0	
7	EX050629-8 MB	—	—	20.0	2.0	20.0	
8	-8 LCS	A	0.2	17.8	2.0	20.0	
9	-8 LCSD	A	0.2	17.8	2.0	20.0	
10	F050628-1MB	—	—	—	20.0	20.0	
11	0506194-1	—	—	—		20.0	
12	-2	—	—	—		20.0	
13	0506195-1	—	—	—		20.0	
14	0506196-1	—	—	—		20.0	
15	0506210-1	—	—	—		20.0	
16	0506258-1	—	—	—		20.0	
17	-3	—	—	—		20.0	
18	-3D	—	—	—		20.0	
19	-3MS	A	0.2	—		20.0	
20	-3MSD	A	0.2	—		20.0	
21	-5	—	—	—		20.0	
22	-7	—	—	—		20.0	
23	0506199-5	—	—	—		20.0	
24	0506200-13	—	—	—		20.0	
25	0506217-10	—	—	—		20.0	
26	0506217-11	—	—	—		20.0	
27	0506218-14	—	—	—		20.0	

Reagent Lots: H_2SO_4 43212 HNO_3 B01041 HCl A52026 $KMnO_4$- R6050624-1

$K_2S_2O_8$- R6050531-2 SnCl- R6050620-2 Hydroxylamine R6050614-1

Spike solutions:

A: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of ST050629-5 Balance(s) Used: 25

B: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of ST050629-4 (2nd source) Pipet(s) Used: M-61, M-56

Reviewed by _____ Date _____ Form 808r14(a).doc (11/4/2003)

See pg 293408

Paragon Analytics

MERCURY DIGESTION - WATER/TCLP

Method: **293409** SOP 812 / Rev: ____ Page 2 of 2

Digestion Date _____ Digestion Analyst _____ Spike Witness _____

Water Bath Temp. _____ °C Time on _____ Time off _____

Date Analyzed _____ Analyst _____ Analytical Filename _____

Tube #	Solution ID	Spike Solution	Spike Volume (mL)	H_2O Added (mL)	Sample Aliquot (mL or g)	Final Volume (mL)	Comments
STD 1	0 ppb	-	-	20.0	-	20.0	
2	0.2 ppb	A	0.04	20.0	-	20.0	
3	0.5 ppb	A	0.1	19.9	-	20.0	
4	1.0 ppb	A	0.2	19.8	-	20.0	
5	2.0 ppb	A	0.4	19.6	-	20.0	
6	5.0 ppb	A	1.0	19.0	-	20.0	
SAMPLE 1	ICV	B	0.2	19.8	-	20.0	
2	ICB	-	-	20.0	-	20.0	
3	CRA-0.2 ppb	A	0.04	20.0	-	20.0	
4	0506201 - 15	—	—	—	20.0	20.0	
5	- 15 D	—	—	—	20.0	20.0	
6	- 15 MS	A	0.4	—	20.0	20.0	
7	- 15 MSD	A	0.4	—	20.0	20.0	
8	0506224 - 2	—	—	—	20.0	20.0	
9	- 7	—	—	—	20.0	20.0	
10	0506224 - 15	—	—	18.0	2.0	20.0	
11	- 15 D	—	—	18.0	2.0	20.0	
12	- 15 MS	A	0.4	17.6	2.0	20.0	
13	- 15 MSD	A	0.4	17.6	2.0	20.0	
14	- 16	—	—	18.0	2.0	20.0	
~~15~~	~~0506179 - 3~~	~~—~~	~~—~~	~~20.0~~	~~20.0~~	~~20.0~~	CJD 7-1-05
16	CCV	A	0.4	19.6	—	20.0	
17	CCB	—	-	20.0	—	20.0	
~~18~~						~~20.0~~	
19						20.0	
20						~~20.0~~	
21						20.0	
22						20.0	
23						20.0	
24						20.0	
25						20.0	
26						20.0	
27						20.0	

CJD 6-30-05

CJD 6-30-05

Reagent Lots: H_2SO_4 _____ HNO_3 _____ HCl _____ $KMnO_4$ _____

$K_2S_2O_8$ _____ SnCl- _____ Hydroxylamine _____

Spike solutions:

A: 100 ppb Hg made from ~~100x dilution (1 mL/100 mL)~~ of _____ ~~Balance(s) Used:~~ _____

~~B: 100 ppb Hg made from 100x dilution (1 mL/100 mL)~~ of _____ (2nd source) Pipet(s) Used: _____

Reviewed by _____ Date _____ Form 808r14(a).doc (11/4/2003)

See pg 293408

Paragon Analytics

MERCURY DIGESTION - WATER/TCLP

Method: 293418 (1470/245.1) SOP 812 / Rev: 11 Page 1 of 2

Digestion Date 7-7-05 Digestion Analyst CJD Spike Witness N/A

Water Bath Temp. 95 °C Time on 13:20 Time off 15:20

Date Analyzed 7-7-05 Analyst CJD Analytical Filename 05070702

Tube #	Solution ID	Spike Solution	Spike Volume (mL)	H_2O Added (mL)	Sample Aliquot (mL or g)	Final Volume (mL)	Comments
STD 1	0 ppb	-	-	20.0	-	20.0	
2	0.2 ppb	A	0.04	20.0	-	20.0	
3	0.5 ppb	A	0.1	19.9	-	20.0	
4	1.0 ppb	A	0.2	19.8	-	20.0	
5	2.0 ppb	A	0.4	19.6	-	20.0	
6	5.0 ppb	A	1.0	19.0	-	20.0	
SAMPLE 1	ICV	B	0.2	19.8	-	20.0	
2	ICB	-	-	20.0	-	20.0	
3	CRA-0.2 ppb	A	0.04	20.0	-	20.0	
4	H6050707 - 1 MB	–	–	20.0	–	20.0	
5	↓ - 1 LCS	A	0.2	19.8	–	20.0	
6	EX050706 - 8 MB	–	–	18.0	2.0	20.0	
7	- 8 LCS	A	0.2	17.8	2.0	20.0	
8	↓ - 8 LCSD	A	0.2	17.8	2.0	20.0	
9	0507008 - 1	–	–	–	20.0	20.0	
10	- 3	–	–	–	20.0	20.0	
11	- 5	–	–	–	20.0	20.0	
12	- 5 D	–	–	–	20.0	20.0	
13	- 5 MS	A	0.2	–	20.0	20.0	
14	- 5 MSD	A	0.2	–	20.0	20.0	
15	↓ - 7	–	–	–	20.0	20.0	
16	0506251 - 9	–	–	–	20.0	20.0	
17	- 9 D	–	–	–	20.0	20.0	
18	- 9 MS	A	0.4	–	20.0	20.0	
19	↓ - 9 MSD	A	0.4	–	20.0	20.0	
20	0506255 - 1	–	–	–	20.0	20.0	
21	↓ - 4	–	–	–	20.0	20.0	
22	0506264 - 4	–	–	–	20.0	20.0	
23	0506265 - 20	–	–	18.0	2.0	20.0	
24	- 21	–	–	18.0	2.0	20.0	
25	- 22	–	–	18.0	2.0	20.0	
26	- 23	–	–	18.0	2.0	20.0	
27	↓ - 21 D	–	–	18.0	2.0	20.0	

Reagent Lots: H_2SO_4 43212 HNO_3 B01041 HCl A52026 $KMnO_4$- R6050714-1
$K_2S_2O_8$- R6050531-2 SnCl- R6050701-2 Hydroxylamine R6050614-1

Spike solutions:

A: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of ST050629-5 Balance(s) Used: 25

B: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of ST050629-4 (2nd source) Pipet(s) Used: M-56, M-60

Reviewed by _____ Date _____ Form 808r14(a).doc (11/4/2003)

See pg 293418

Paragon Analytics

MERCURY DIGESTION - WATER/TCLP

Method: 293419 SOP 812 / Rev: ____ Page 2 of 2

Digestion Date _____ Digestion Analyst _____ Spike Witness _____

Water Bath Temp. _____°C Time on _____ Time off _____

Date Analyzed _____ Analyst _____ Analytical Filename _____

Tube #	Solution ID	Spike Solution	Spike Volume (mL)	H_2O Added (mL)	Sample Aliquot (mL or g)	Final Volume (mL)	Comments
STD 1	0 ppb	-	-	20.0	-	20.0	
2	0.2 ppb	A	0.04	20.0	-	20.0	
3	0.5 ppb	A	0.1	19.9	-	20.0	
4	1.0 ppb	A	0.2	19.8	-	20.0	
5	2.0 ppb	A	0.4	19.6	-	20.0	
6	5.0 ppb	A	1.0	19.0	-	20.0	
SAMPLE 1	ICV	B	0.2	19.8	-	20.0	
2	ICB	-	-	20.0	-	20.0	
3	~~CRA-0.2 ppb~~	A	0.04	20.0	-	20.0	
4	0506265 - 21MS	A	0.4	17.6	2.0	20.0	
5	↓ -21MSD	A	0.4	17.6	2.0	20.0	
6	0506217 - 17	—	—	18.0	2.0	20.0	
7	CCV	A	0.4	19.6	—	20.0	
8	CCB	—	—	20.0	—	20.0	
9						20.0	
10						20.0	
11						20.0	
12						20.0	
13						20.0	
14						20.0	
15						20.0	
16						20.0	
17						20.0	
18						20.0	
19						20.0	
20						20.0	
21						20.0	
22						20.0	
23						20.0	
24						20.0	
25						20.0	
26						20.0	
27						20.0	

CO 7-7-05

CSD 7-7-05

Reagent Lots: H_2SO_4 _____ HNO_3 _____ HCl _____ $KMnO_4$- _____

$K_2S_2O_8$- _____ SnCl- _____ Hydroxylamine _____

Spike solutions:

A: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of _____ Balance(s) Used: _____

~~B: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of _____ (2nd source)~~ Pipet(s) Used: _____

Reviewed by _____ Date _____ Form 808r14(a).doc (11/4/2003)

See pg 293418

Paragon Analytics

MERCURY DIGESTION - WATER/TCLP

Method: 293423 ~~245.1/7470~~ SOP 812 / Rev: 11 Page 1 of 1

Digestion Date 7-13-05 Digestion Analyst CJD Spike Witness N/A

Water Bath Temp. 95 °C Time on 1500 Time off 1700

Date Analyzed 7-14-05 Analyst CJD Analytical Filename 05071401

Tube #	Solution ID	Spike Solution	Spike Volume (mL)	H_2O Added (mL)	Sample Aliquot (mL or g)	Final Volume (mL)	Comments
STD 1	0 ppb	-	-	20.0	-	20.0	
2	0.2 ppb	A	0.04	20.0	-	20.0	
3	0.5 ppb	A	0.1	19.9	-	20.0	
4	1.0 ppb	A	0.2	19.8	-	20.0	
5	2.0 ppb	A	0.4	19.6	-	20.0	
6	5.0 ppb	A	1.0	19.0	-	20.0	
SAMPLE 1	ICV	B	0.2	19.8	-	20.0	
2	ICB	-	-	20.0	-	20.0	
3	CRA-0.2 ppb	A	0.04	20.0	-	20.0	
4	H6050713 - 1 MB	—	—	20.0	—	20.0	
5	- 1 LCS	A	0.2	19.8	—	20.0	
6	- 1 LCSD	A	0.2	19.8	—	20.0	
7	EX050712 - 8 MB	—	—	18.0	2.0	20.0	
8	↓ - 8 LCS	A	0.2	17.8	2.0	20.0	
9	0507084 - 1	—	—	—		20.0	
10	↓ - 2	—	—	—		20.0	
11	↓ - 3	—	—	—		20.0	
12	0507085 - 1	—	—	—		20.0	
13	0506217 - 12			18.0	2.0	20.0	
14	CJD 7-14-05 - 13			18.0	2.0	20.0	
15	- 14			18.0	2.0	20.0	
16	- 15			18.0	2.0	20.0	
17	- 15D			18.0	2.0	20.0	
18	- 15 MS	A	0.4	17.6	2.0	20.0	
19	- 15 MSD	A	0.4	17.6	2.0	20.0	
20	- 16			18.0	2.0	20.0	
21	- 18			18.0	2.0	20.0	
22	- 19			18.0	2.0	20.0	
23	- 20			18.0	2.0	20.0	
24	CCV	A	0.4	19.6	~~2.0~~ CJD 7-14-05	20.0	
25	CCB	—	—	20.0	—	20.0	
~~26~~						~~20.0~~	
27	CJD 7-14-05					20.0	

Reagent Lots: H_2SO_4 43212 HNO_3 B01041 HCl B14032 $KMnO_4$ ~~R6050714-1~~ CJD 7-15-01 R6050701-1

$K_2S_2O_8$ R6050531-2 SnCl R6050701-2 Hydroxylamine R6050711-5

Spike solutions:

A: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of ST050629-5 Balance(s) Used: 25

B: 100 ppb Hg made from 100x dilution (1 mL/100 mL) of ST050629-4 (2nd source) Pipet(s) Used: M-56, M-60

Reviewed by _____ Date _____ Form 808r14(a).doc (11/4/2003)

Paragon Analytics

GC/MS Volatiles Case Narrative

NMED DOE Oversight Bureau

Gandy Marley, Inc,

Order Number - 0506217

1. This report consists of 2 water samples. The samples were received cool and intact by Paragon on 06/24/05. The vial for sample 10 contained headspace prior to analysis because it was not received headspace free into the volatiles laboratory.

2. These samples were prepared according to SW-846, 3rd Edition procedures. Specifically the water samples were prepared by purging 5 mls using purge and trap procedures based on Method 5030C.

3. The samples were analyzed using GC/MS with an RTX-624 capillary column according to Paragon Standard Operating Procedure 525 Revision 10 based on SW-846 Method 8260B. All positive results were quantitated against the initial calibration standards using the internal standard technique. The identification of positive results was achieved by a comparison of the retention time and mass spectrum of the sample versus the daily calibration standard.

4. All initial calibration criteria for SPCC's and CCC's were met. Method 8260B states that the average response factor may be used for quantitation for all analytes if the mean of the RSD values (grand mean) for all analytes is less than or equal to 15%. All initial calibrations had a mean RSD value of less than 15%.

5. All initial calibration standards are verified by comparing a second source standard initial calibration verification (ICV) against the calibration curve. The laboratory utilizes the grand mean approach in evaluating the % D for the ICV. All ICV's had a mean % D of less than 20%, and all criteria for SPCC's and CCC's were met.

6. The laboratory utilized the grand mean approach in evaluating the %D for the continuing calibration verifications (CCV). All CCV's had a mean %D of less than 20%, and all criteria for SPCC's and CCC's were met.

7. Methylene chloride, acetone and 2-butanone are common laboratory contaminants. In order to minimize the levels of these compounds detected in the gc/ms analysis, Paragon has designated its volatile laboratory as a restricted access area. In addition, the laboratory has been equipped with a dedicated, air intake and exhaust system that operates under positive pressure in order to minimize cross contamination of these compounds. Due to fluctuations in ambient laboratory conditions, reported sample values for common laboratory contaminants may be due to lab contamination even if the compound in question is not detected in the associated method blank.

   The method blank VL050628-4MB had methylene chloride detected above the reporting limit. This compound was detected in the associated samples, so the data were flagged.

8. All laboratory control spike and laboratory control spike duplicate recoveries and RPDs were within the acceptance criteria.

9. All matrix spike and matrix spike duplicate recoveries and RPDs were within acceptance criteria with the following exceptions:

Spiked Compound	QC Sample	Direction
Benzene	MS	Low
Toluene	MS	Low

   The recoveries of these compounds in the laboratory control spike and laboratory control spike duplicate were within control limits, which suggests the outliers in the matrix spikes may have been due to matrix effects. No further action was taken. Laboratory control spike and laboratory control spike duplicate results are included.

10. The samples were analyzed within the established holding time.

11. All surrogate recoveries were within acceptance criteria.

12. All internal standard recoveries were within acceptance criteria.

13. Due to the concentration of target analytes, sample 11 was analyzed at a dilution. The reporting limits have been adjusted accordingly.

14. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics Standard Operating Procedure 939 Revision 1. The chromatographic data system marks the manual integrations with an m on the quantitation report. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Gayle Gresham for TK 7/6/05

Tyler Knaebel
GC/MS Analyst

Date

SH 7-6-05

Reviewer's Initials

Date

Paragon Analytics
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	**This flag indicates that the compound was analyzed for but not detected.**
J:	**This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.**
B:	**This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.**
E:	**This flag identifies compounds whose concentration exceeds the upper level of the calibration range.**
A:	**This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.**
X:	**This flag indicates that the analyte was diluted below an accurate quantitation level.**
***:**	**This flag indicates that a spike recovery is equal to or outside the control criteria used.**
+:	**This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.**

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0506217
Client Name: NMED DOE Oversight Bureau
Client Project Name: Gandy Marley, Inc.
Client Project Number:
Client PO Number: 22-667-55-02459

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
GMI-UST-1	0506217-1		SOIL	22-Jun-05	11:55
GMI-UST-2	0506217-2		SOIL	22-Jun-05	12:30
GMI-UST-3	0506217-3		SOIL	22-Jun-05	15:00
GMI-UST-4	0506217-4		SOIL	22-Jun-05	15:30
GMI-UST-5	0506217-5		SOIL	22-Jun-05	16:10
GMI-UST-6	0506217-6		SOIL	22-Jun-05	16:11
GMI-LBB-2	0506217-7		SOIL	22-Jun-05	16:30
GMI-LBB-1	0506217-8		SOIL	22-Jun-05	16:50
GMI-VOR	0506217-9		SOIL	22-Jun-05	17:16
GMI-Evap Tank East	0506217-10		WATER	22-Jun-05	17:40
GMI-Evap Tank West	0506217-11		WATER	22-Jun-05	18:00
GMI-UST-1	0506217-12		LEACHAT	22-Jun-05	11:55
GMI-UST-2	0506217-13		LEACHAT	22-Jun-05	12:30
GMI-UST-3	0506217-14		LEACHAT	22-Jun-05	15:00
GMI-UST-4	0506217-15		LEACHAT	22-Jun-05	15:30
GMI-UST-5	0506217-16		LEACHAT	22-Jun-05	16:10
GMI-UST-6	0506217-17		LEACHAT	22-Jun-05	16:11
GMI-LBB-2	0506217-18		LEACHAT	22-Jun-05	16:30
GMI-LBB-1	0506217-19		LEACHAT	22-Jun-05	16:50
GMI-VOR	0506217-20		LEACHAT	22-Jun-05	17:16

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0506217

Chain-of-Custody Date _____ Page ___ of ___

Originator: Retain pink copy

Project Name / No.: Gandy Marley, Inc Sampler(s): S.P., M.C. Turnaround (circle one): Standard or Rush (Due _____) Dispose: Date ALAP or Return to Client

Report To: STEVE PULLEN
Phone: 505-428-2544
Fax:
E-mail: STEVE.PULLEN@state.nm.us
Company: NM ENVIRONMENT. HAZ. WASTE
Address: 2905 RODEO PARK DR. EAST
BLDG. 1
SANTA FE, NM 87502

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type)	No. of Containers	VOCs SW8260B E624 E524.2	BTEX (only) SW8021B	SVOCs SW8270C E625	OC Pesticides SW8081A E608	PCBs SW8082 E608	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 SW6010B SW7470	Total Metals by ICP SW6010B 7470 7471 E200 ILMO	Dissolved Metals by ICP SW6010B 7470 E200 ILMO	Total Metals by ICP/MS SW6020 E200.8 ILMO	Dissolved Metals by ICP/MS SW6020 E200.8 ILMO	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH GRO DRO SW8015B (both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1 Radium 228 SW9320 E904.0	Strontium 89 D5811-00 Strontium 90 D5811-00	Gamma Isotopes E901.1
GMI-UST 1	6/22	11:55	1	S	NA	1									X									X							
GMI-UST-2	6/22	1230	2	S	"	1									X									X							
GMI-UST-3	"	1500	3	S	"	1									X									X							
GMI-UST.4	"	1590	4	S	"	1									X									X							
GMI-UST.5	"	1610	5	S	"	1									X									X							
GMI-UST.6	"	1611	6	S	"	1									X									X							
GMI-LBB-2	"	1630	7	S	"	1									X									X							
GMI-LBB-1	"	1650	8	S	"	1									X									X							
GMI-VOR	"	1716	9	S	"	1									X									X							
GMI-EVAP TANK EAST	"	1740	10	W	"	4	X		X							X															
GMI EVAP TANK WEST	"	1800	11	W	"	4	X		X							X															

* Time Zone: EST CST MST PST Matrix Key: O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments:

Soil Samples - Report TPH results ASAP. May run TCLP VOCs & SVOCs.

Form 202r5.xls (4/6/04)

Relinquished By:	(1)	(2)
Signature	Steve Pullen	
Printed Name		
Date	6/23/05	
Time	1430	
Company	NMED.	

Received By:	(1)	(2)
Signature	Matt Wiseman	
Printed Name	Matt Wiseman	
Date	6/24/05	
Time	1000	
Company	Paragon	

Paragon Analytics

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 0506217

Project Manager: LRS Initials: MW Date: 6/24/05

1.	Does this project require any **special handling** in addition to standard Paragon procedures?		YES	(NO)
2.	Is **pre-screening** required per SOP 008?		YES	(NO)
3.	Are custody **seals** on **shipping containers** intact?	N/A	(YES)	NO
4.	Are custody **seals** on **sample containers** intact?	(N/A)	YES	NO
5.	Is there a **COC (Chain-of-Custody) present** or other representative documents?		(YES)	NO
6.	Is the **COC** (if applicable) **complete and legible**?	N/A	(YES)	NO
7.	Are **bottle IDs legible** and in **agreement** with **COC sample IDs**?	N/A	YES	(NO)
8.	Is the COC in agreement with samples received? (**# of samples, # of containers, matrix**)	N/A	(YES)	NO
9.	Were **airbills** present and/or removable?	N/A	(YES)	NO
10.	Are all **aqueous samples** requiring preservation **preserved correctly**? (excluding volatile organics)	N/A	YES	(NO)
11.	Are all aqueous **non-preserved samples** at the **correct pH**?	N/A	(YES)	NO
12.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
13.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
14.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
15.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
16.	Are all samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble:** ✓ < green pea ____ > green pea	N/A	YES	(NO)
17.	Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
18.	Were the sample(s) **shipped on ice**?	N/A	(YES)	NO
19.	Were cooler temperatures measured at 0.1-6.0°C?	N/A	(YES)	NO

***IR gun used** *(circle one)*: #2 - Oakton InfraPro II, SN2922500201-0066; (#4) - Oakton InfraPro II, SN2372220101-0002

Cooler #'s ____

Temperature (°C) 3.2

No. of custody seals 2

DOT Survey/ Acceptance Information

External µR/hr reading 14

Background µR/hr reading 12

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) NO (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE EXCEPT #1 AND #2.

- Metals bottles for samples 10 + 11 rec'd unpreserved. Potential organics suspected prevented preservation in field, will be filtered and preserved as needed by laboratory
- ID discrepancies - see p. 2
- Both VOA bottles for sample 10 rec'd w/ headspace

If applicable, was the client contacted? (YES) / NO / NA Contact Name: S. Pullen Date/Time: 6/24

Project Manager Signature/ Date: M. Gaylor

Form 201r18.xls (6/26/04)

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: NMED Workorder No: 0506217

Project Manager: CRS Initials: MN Date: 6/24/05

Sample ID Discrepancy:

	COC Information				Bottle Information			
Paragon ID	Client ID	Date	Time	Analysis	Bottle ID	Date	Time	Analysis
0506217-3	GMI-UST-3	6/22/05	1500	TCLP/TPH	GMI-Cell-3	6/22/05	1500	TCLP/TPH
-4	GMI-UST-4		1530		GMI-Cell-4		1530	
-5	GMI-UST-5		1610		GMI-Cell-5		1610	
-6	GMI-UST-6		1611		GMI-Cell-6		1611	

Logged per COC until notified otherwise.

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: 6/24

Form 201r18.xls (6/26/04)

FedEx. Express US Airbill

FedEx Tracking Number 8517 7528 4513

1 From

Date 6/23/03 [redacted]

Sender's Name STEVE POLLEN Phone 505 428 2544

Company NM ENVIRONMENT Dept.

Address 2905 RODEO RD. EAST BLD. 1

Dept./Floor/Suite/Room

City SANTA FE State NM ZIP 87502

2 Your Internal Billing Reference

3 To

Recipient's Name LANCE STEERE Phone 970 490 1511

Company PARAGON ANALYTICAL

Recipient's Address 225 COMMERCE Dr.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City Ft. COLLINS State CO ZIP 80524

8517 7528 4513

Recipients C

4a Express Package Service

Packages up to 1

- [X] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overn — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service

Packages over 1

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freig — Third business day**

* Call for Confirmation:

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [X] FedEx Tube

6 Special Handling

Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP* codes

- [ ] SATURDAY Delivery
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed
- [X] Recipient
- [ ] Third Party
- [ ] Credit Card

12

Total Packages	Total Weight	Total Declared Value†	Total Charges
1	57	$ .00	

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339.

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14

Analytical Results

GC/MS Volatiles

Method SW8260B

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: VL050627-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030C

Prep Batch: VL050627-4
QCBatchID: VL050627-4-1
Run ID: VL050627-4A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10179

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	5	5	U	
74-87-3	CHLOROMETHANE	1	5	5	U	
75-01-4	VINYL CHLORIDE	1	5	5	U	
74-83-9	BROMOMETHANE	1	5	5	U	
75-00-3	CHLOROETHANE	1	5	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5	5	U	
75-35-4	1,1-DICHLOROETHENE	1	5	5	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROET	1	5	5	U	
67-64-1	ACETONE	1	20	20	U	
74-88-4	IODOMETHANE	1	5	5	U	
75-15-0	CARBON DISULFIDE	1	5	5	U	
75-09-2	METHYLENE CHLORIDE	1	5	5	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5	5	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5	5	U	
75-34-3	1,1-DICHLOROETHANE	1	5	5	U	
108-05-4	VINYL ACETATE	1	20	20	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5	5	U	
78-93-3	2-BUTANONE	1	20	20	U	
74-97-5	BROMOCHLOROMETHANE	1	5	5	U	
67-66-3	CHLOROFORM	1	5	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5	5	U	
594-20-7	2,2-DICHLOROPROPANE	1	5	5	U	
56-23-5	CARBON TETRACHLORIDE	1	5	5	U	
563-58-6	1,1-DICHLOROPROPENE	1	5	5	U	
107-06-2	1,2-DICHLOROETHANE	1	5	5	U	
71-43-2	BENZENE	1	5	5	U	
79-01-6	TRICHLOROETHENE	1	5	5	U	

Data Package ID: *VL0506217-1*

GC/MS Volatiles

Method SW8260B

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: VL050627-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030C

Prep Batch: VL050627-4
QCBatchID: VL050627-4-1
Run ID: VL050627-4A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10179

78-87-5	1,2-DICHLOROPROPANE	1	5	5	U	
74-95-3	DIBROMOMETHANE	1	5	5	U	
75-27-4	BROMODICHLOROMETHANE	1	5	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5	5	U	
108-10-1	4-METHYL-2-PENTANONE	1	20	20	U	
108-88-3	TOLUENE	1	5	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5	5	U	
591-78-6	2-HEXANONE	1	20	20	U	
127-18-4	TETRACHLOROETHENE	1	5	5	U	
142-28-9	1,3-DICHLOROPROPANE	1	5	5	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5	5	U	
106-93-4	1,2-DIBROMOETHANE	1	5	5	U	
544-10-5	1-CHLOROHEXANE	1	5	5	U	
108-90-7	CHLOROBENZENE	1	5	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5	5	U	
100-41-4	ETHYLBENZENE	1	5	5	U	
136777-61-2	M+P-XYLENE	1	5	5	U	
95-47-6	O-XYLENE	1	5	5	U	
100-42-5	STYRENE	1	5	5	U	
75-25-2	BROMOFORM	1	5	5	U	
98-82-8	ISOPROPYLBENZENE	1	5	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5	5	U	
108-86-1	BROMOBENZENE	1	5	5	U	
103-65-1	N-PROPYLBENZENE	1	5	5	U	
95-49-8	2-CHLOROTOLUENE	1	5	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5	5	U	
106-43-4	4-CHLOROTOLUENE	1	5	5	U	

Data Package ID: *VL0506217-1*

GC/MS Volatiles

Method SW8260B

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: VL050627-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030C

Prep Batch: VL050627-4
QCBatchID: VL050627-4-1
Run ID: VL050627-4A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10179

98-06-6	TERT-BUTYLBENZENE	1	5	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5	5	U	
135-98-8	SEC-BUTYLBENZENE	1	5	5	U	
541-73-1	1,3-DICHLOROBENZENE	1	5	5	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5	5	U	
106-46-7	1,4-DICHLOROBENZENE	1	5	5	U	
104-51-8	N-BUTYLBENZENE	1	5	5	U	
95-50-1	1,2-DICHLOROBENZENE	1	5	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5	5	U	
87-68-3	HEXACHLOROBUTADIENE	1	5	5	U	
91-20-3	NAPHTHALENE	1	5	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	55.7		50	111	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	51.8		50	104	79 - 120
2037-26-5	TOLUENE-D8	51.4		50	103	83 - 120

Data Package ID: *VL0506217-1*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030C

Prep Batch: VL050627-4
QCBatchID: VL050627-4-1
Run ID: VL050627-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10188

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	10	50	50	U	
74-87-3	CHLOROMETHANE	10	50	50	U	
75-01-4	VINYL CHLORIDE	10	50	50	U	
74-83-9	BROMOMETHANE	10	50	50	U	
75-00-3	CHLOROETHANE	10	50	50	U	
75-69-4	TRICHLOROFLUOROMETHANE	10	50	50	U	
75-35-4	1,1-DICHLOROETHENE	10	50	50	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETH	10	50	50	U	
67-64-1	ACETONE	10	200	200	U	
74-88-4	IODOMETHANE	10	50	50	U	
75-15-0	CARBON DISULFIDE	10	50	50	U	
75-09-2	METHYLENE CHLORIDE	10	50	50	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	10	50	50	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	10	50	50	U	
75-34-3	1,1-DICHLOROETHANE	10	50	50	U	
108-05-4	VINYL ACETATE	10	200	200	U	
156-59-2	CIS-1,2-DICHLOROETHENE	10	50	50	U	
78-93-3	2-BUTANONE	10	200	200	U	
74-97-5	BROMOCHLOROMETHANE	10	50	50	U	
67-66-3	CHLOROFORM	10	50	50	U	
71-55-6	1,1,1-TRICHLOROETHANE	10	50	50	U	
594-20-7	2,2-DICHLOROPROPANE	10	50	50	U	
56-23-5	CARBON TETRACHLORIDE	10	50	50	U	
563-58-6	1,1-DICHLOROPROPENE	10	50	50	U	
107-06-2	1,2-DICHLOROETHANE	10	50	50	U	
71-43-2	BENZENE	10	550	50		
79-01-6	TRICHLOROETHENE	10	50	50	U	
78-87-5	1,2-DICHLOROPROPANE	10	50	50	U	

Data Package ID: *VL0506217-1*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030C

Prep Batch: VL050627-4
QCBatchID: VL050627-4-1
Run ID: VL050627-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10188

74-95-3	DIBROMOMETHANE	10	50	50	U	
75-27-4	BROMODICHLOROMETHANE	10	50	50	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	10	50	50	U	
108-10-1	4-METHYL-2-PENTANONE	10	200	200	U	
108-88-3	TOLUENE	10	850	50		
10061-02-6	TRANS-1,3-DICHLOROPROPENE	10	50	50	U	
79-00-5	1,1,2-TRICHLOROETHANE	10	50	50	U	
591-78-6	2-HEXANONE	10	200	200	U	
127-18-4	TETRACHLOROETHENE	10	50	50	U	
142-28-9	1,3-DICHLOROPROPANE	10	50	50	U	
124-48-1	DIBROMOCHLOROMETHANE	10	50	50	U	
106-93-4	1,2-DIBROMOETHANE	10	50	50	U	
544-10-5	1-CHLOROHEXANE	10	50	50	U	
108-90-7	CHLOROBENZENE	10	50	50	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	10	50	50	U	
100-41-4	ETHYLBENZENE	10	120	50		
136777-61-2	M+P-XYLENE	10	240	50		
95-47-6	O-XYLENE	10	81	50		
100-42-5	STYRENE	10	50	50	U	
75-25-2	BROMOFORM	10	50	50	U	
98-82-8	ISOPROPYLBENZENE	10	50	50	U	
96-18-4	1,2,3-TRICHLOROPROPANE	10	50	50	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	10	50	50	U	
108-86-1	BROMOBENZENE	10	50	50	U	
103-65-1	N-PROPYLBENZENE	10	50	50	U	
95-49-8	2-CHLOROTOLUENE	10	50	50	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	10	13	50	J	
106-43-4	4-CHLOROTOLUENE	10	50	50	U	
98-06-6	TERT-BUTYLBENZENE	10	50	50	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	10	37	50	J	
135-98-8	SEC-BUTYLBENZENE	10	50	50	U	

Data Package ID: *VL0506217-1*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030C

Prep Batch: VL050627-4
QCBatchID: VL050627-4-1
Run ID: VL050627-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10188

541-73-1	1,3-DICHLOROBENZENE	10	50	50	U	
99-87-6	P-ISOPROPYLTOLUENE	10	50	50	U	
106-46-7	1,4-DICHLOROBENZENE	10	50	50	U	
104-51-8	N-BUTYLBENZENE	10	50	50	U	
95-50-1	1,2-DICHLOROBENZENE	10	50	50	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	100	100	U	
120-82-1	1,2,4-TRICHLOROBENZENE	10	50	50	U	
87-68-3	HEXACHLOROBUTADIENE	10	50	50	U	
91-20-3	NAPHTHALENE	10	50	50	U	
87-61-6	1,2,3-TRICHLOROBENZENE	10	50	50	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	536		500	107	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	540		500	108	79 - 120
2037-26-5	TOLUENE-D8	550		500	110	83 - 120

Data Package ID: *VL0506217-1*

GC/MS Volatiles

Method SW8260B
Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: VL050628-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 28-Jun-05
Date Analyzed: 28-Jun-05
Prep Method: SW5030C

Prep Batch: VL050628-4
QCBatchID: VL050628-4-1
Run ID: VL050628-4A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10205

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	5	5	U	
74-87-3	CHLOROMETHANE	1	5	5	U	
75-01-4	VINYL CHLORIDE	1	5	5	U	
74-83-9	BROMOMETHANE	1	5	5	U	
75-00-3	CHLOROETHANE	1	5	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5	5	U	
75-35-4	1,1-DICHLOROETHENE	1	5	5	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROET	1	5	5	U	
67-64-1	ACETONE	1	20	20	U	
74-88-4	IODOMETHANE	1	5	5	U	
75-15-0	CARBON DISULFIDE	1	5	5	U	
75-09-2	METHYLENE CHLORIDE	1	8.9	5		
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5	5	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5	5	U	
75-34-3	1,1-DICHLOROETHANE	1	5	5	U	
108-05-4	VINYL ACETATE	1	20	20	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5	5	U	
78-93-3	2-BUTANONE	1	20	20	U	
74-97-5	BROMOCHLOROMETHANE	1	5	5	U	
67-66-3	CHLOROFORM	1	5	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5	5	U	
594-20-7	2,2-DICHLOROPROPANE	1	5	5	U	
56-23-5	CARBON TETRACHLORIDE	1	5	5	U	
563-58-6	1,1-DICHLOROPROPENE	1	5	5	U	
107-06-2	1,2-DICHLOROETHANE	1	5	5	U	
71-43-2	BENZENE	1	5	5	U	
79-01-6	TRICHLOROETHENE	1	5	5	U	

Data Package ID: *VL0506217-2*

GC/MS Volatiles

Method SW8260B

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: VL050628-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 28-Jun-05
Date Analyzed: 28-Jun-05
Prep Method: SW5030C

Prep Batch: VL050628-4
QCBatchID: VL050628-4-1
Run ID: VL050628-4A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10205

78-87-5	1,2-DICHLOROPROPANE	1	5	5	U	
74-95-3	DIBROMOMETHANE	1	5	5	U	
75-27-4	BROMODICHLOROMETHANE	1	5	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5	5	U	
108-10-1	4-METHYL-2-PENTANONE	1	20	20	U	
108-88-3	TOLUENE	1	5	5	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5	5	U	
591-78-6	2-HEXANONE	1	20	20	U	
127-18-4	TETRACHLOROETHENE	1	5	5	U	
142-28-9	1,3-DICHLOROPROPANE	1	5	5	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5	5	U	
106-93-4	1,2-DIBROMOETHANE	1	5	5	U	
544-10-5	1-CHLOROHEXANE	1	5	5	U	
108-90-7	CHLOROBENZENE	1	5	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5	5	U	
100-41-4	ETHYLBENZENE	1	5	5	U	
136777-61-2	M+P-XYLENE	1	5	5	U	
95-47-6	O-XYLENE	1	5	5	U	
100-42-5	STYRENE	1	5	5	U	
75-25-2	BROMOFORM	1	5	5	U	
98-82-8	ISOPROPYLBENZENE	1	5	5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5	5	U	
108-86-1	BROMOBENZENE	1	5	5	U	
103-65-1	N-PROPYLBENZENE	1	5	5	U	
95-49-8	2-CHLOROTOLUENE	1	5	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5	5	U	
106-43-4	4-CHLOROTOLUENE	1	5	5	U	

Data Package ID: *VL0506217-2*

GC/MS Volatiles

Method SW8260B
Method Blank

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: VL050628-4MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 28-Jun-05
Date Analyzed: 28-Jun-05
Prep Method: SW5030C

Prep Batch: VL050628-4
QCBatchID: VL050628-4-1
Run ID: VL050628-4A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10205

98-06-6	TERT-BUTYLBENZENE	1	5	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5	5	U	
135-98-8	SEC-BUTYLBENZENE	1	5	5	U	
541-73-1	1,3-DICHLOROBENZENE	1	5	5	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5	5	U	
106-46-7	1,4-DICHLOROBENZENE	1	5	5	U	
104-51-8	N-BUTYLBENZENE	1	5	5	U	
95-50-1	1,2-DICHLOROBENZENE	1	5	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5	5	U	
87-68-3	HEXACHLOROBUTADIENE	1	5	5	U	
91-20-3	NAPHTHALENE	1	5	5	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	55.4		50	111	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	52.3		50	105	79 - 120
2037-26-5	TOLUENE-D8	52.6		50	105	83 - 120

Data Package ID: *VL0506217-2*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank East
Lab ID: 0506217-10

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 28-Jun-05
Prep Method: SW5030C

Prep Batch: VL050628-4
QCBatchID: VL050628-4-1
Run ID: VL050628-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10209

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	5	5	U	
74-87-3	CHLOROMETHANE	1	5	5	U	
75-01-4	VINYL CHLORIDE	1	5	5	U	
74-83-9	BROMOMETHANE	1	5	5	U	
75-00-3	CHLOROETHANE	1	5	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5	5	U	
75-35-4	1,1-DICHLOROETHENE	1	5	5	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETH	1	5	5	U	
67-64-1	ACETONE	1	360	20		
74-88-4	IODOMETHANE	1	5	5	U	
75-15-0	CARBON DISULFIDE	1	18	5		
75-09-2	METHYLENE CHLORIDE	1	7	5	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5	5	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5	5	U	
75-34-3	1,1-DICHLOROETHANE	1	5	5	U	
108-05-4	VINYL ACETATE	1	20	20	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5	5	U	
78-93-3	2-BUTANONE	1	71	20		
74-97-5	BROMOCHLOROMETHANE	1	5	5	U	
67-66-3	CHLOROFORM	1	5	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5	5	U	
594-20-7	2,2-DICHLOROPROPANE	1	5	5	U	
56-23-5	CARBON TETRACHLORIDE	1	5	5	U	
563-58-6	1,1-DICHLOROPROPENE	1	5	5	U	
107-06-2	1,2-DICHLOROETHANE	1	5	5	U	
71-43-2	BENZENE	1	31	5		
79-01-6	TRICHLOROETHENE	1	5	5	U	
78-87-5	1,2-DICHLOROPROPANE	1	5	5	U	

Data Package ID: *VL0506217-2*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank East
Lab ID: 0506217-10

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 28-Jun-05
Prep Method: SW5030C

Prep Batch: VL050628-4
QCBatchID: VL050628-4-1
Run ID: VL050628-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10209

74-95-3	DIBROMOMETHANE	1	5	5	U	
75-27-4	BROMODICHLOROMETHANE	1	5	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5	5	U	
108-10-1	4-METHYL-2-PENTANONE	1	20	20	U	
108-88-3	TOLUENE	1	160	5		
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5	5	U	
591-78-6	2-HEXANONE	1	5.9	20	J	
127-18-4	TETRACHLOROETHENE	1	5	5	U	
142-28-9	1,3-DICHLOROPROPANE	1	5	5	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5	5	U	
106-93-4	1,2-DIBROMOETHANE	1	5	5	U	
544-10-5	1-CHLOROHEXANE	1	5	5	U	
108-90-7	CHLOROBENZENE	1	5	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5	5	U	
100-41-4	ETHYLBENZENE	1	26	5		
136777-61-2	M+P-XYLENE	1	69	5		
95-47-6	O-XYLENE	1	30	5		
100-42-5	STYRENE	1	5	5	U	
75-25-2	BROMOFORM	1	5	5	U	
98-82-8	ISOPROPYLBENZENE	1	2	5	J	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5	5	U	
108-86-1	BROMOBENZENE	1	5	5	U	
103-65-1	N-PROPYLBENZENE	1	4.6	5	J	
95-49-8	2-CHLOROTOLUENE	1	5	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	6	5		
106-43-4	4-CHLOROTOLUENE	1	5	5	U	
98-06-6	TERT-BUTYLBENZENE	1	5	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	26	5		
135-98-8	SEC-BUTYLBENZENE	1	1.8	5	J	

Data Package ID: *VL0506217-2*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank East
Lab ID: 0506217-10

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 28-Jun-05
Prep Method: SW5030C

Prep Batch: VL050628-4
QCBatchID: VL050628-4-1
Run ID: VL050628-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10209

541-73-1	1,3-DICHLOROBENZENE	1	5	5	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5	5	U	
106-46-7	1,4-DICHLOROBENZENE	1	5	5	U	
104-51-8	N-BUTYLBENZENE	1	2.1	5	J	
95-50-1	1,2-DICHLOROBENZENE	1	5	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5	5	U	
87-68-3	HEXACHLOROBUTADIENE	1	5	5	U	
91-20-3	NAPHTHALENE	1	14	5		
87-61-6	1,2,3-TRICHLOROBENZENE	1	5	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	53.4		50	107	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	49.4		50	99	79 - 120
2037-26-5	TOLUENE-D8	53.6		50	107	83 - 120

Data Package ID: *VL0506217-2*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 28-Jun-05
Prep Method: SW5030C

Prep Batch: VL050628-4
QCBatchID: VL050628-4-1
Run ID: VL050628-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10212

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	5	5	U	
74-87-3	CHLOROMETHANE	1	5	5	U	
75-01-4	VINYL CHLORIDE	1	5	5	U	
74-83-9	BROMOMETHANE	1	5	5	U	
75-00-3	CHLOROETHANE	1	5	5	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5	5	U	
75-35-4	1,1-DICHLOROETHENE	1	5	5	U	
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETH	1	5	5	U	
67-64-1	ACETONE	1	12	20	J	
74-88-4	IODOMETHANE	1	5	5	U	
75-15-0	CARBON DISULFIDE	1	2.7	5	J	
75-09-2	METHYLENE CHLORIDE	1	5	5	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5	5	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5	5	U	
75-34-3	1,1-DICHLOROETHANE	1	5	5	U	
108-05-4	VINYL ACETATE	1	20	20	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5	5	U	
78-93-3	2-BUTANONE	1	5.1	20	J	
74-97-5	BROMOCHLOROMETHANE	1	5	5	U	
67-66-3	CHLOROFORM	1	5	5	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5	5	U	
594-20-7	2,2-DICHLOROPROPANE	1	5	5	U	
56-23-5	CARBON TETRACHLORIDE	1	5	5	U	
563-58-6	1,1-DICHLOROPROPENE	1	5	5	U	
107-06-2	1,2-DICHLOROETHANE	1	5	5	U	
71-43-2	BENZENE	1	300	5	E	
79-01-6	TRICHLOROETHENE	1	5	5	U	
78-87-5	1,2-DICHLOROPROPANE	1	5	5	U	

Data Package ID: *VL0506217-2*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 28-Jun-05
Prep Method: SW5030C

Prep Batch: VL050628-4
QCBatchID: VL050628-4-1
Run ID: VL050628-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10212

74-95-3	DIBROMOMETHANE	1	5	5	U	
75-27-4	BROMODICHLOROMETHANE	1	5	5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5	5	U	
108-10-1	4-METHYL-2-PENTANONE	1	20	20	U	
108-88-3	TOLUENE	1	380	5	E	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5	5	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5	5	U	
591-78-6	2-HEXANONE	1	20	20	U	
127-18-4	TETRACHLOROETHENE	1	5	5	U	
142-28-9	1,3-DICHLOROPROPANE	1	5	5	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5	5	U	
106-93-4	1,2-DIBROMOETHANE	1	5	5	U	
544-10-5	1-CHLOROHEXANE	1	5	5	U	
108-90-7	CHLOROBENZENE	1	5	5	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5	5	U	
100-41-4	ETHYLBENZENE	1	85	5		
136777-61-2	M+P-XYLENE	1	180	5		
95-47-6	O-XYLENE	1	65	5		
100-42-5	STYRENE	1	5	5	U	
75-25-2	BROMOFORM	1	5	5	U	
98-82-8	ISOPROPYLBENZENE	1	5.8	5		
96-18-4	1,2,3-TRICHLOROPROPANE	1	5	5	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5	5	U	
108-86-1	BROMOBENZENE	1	5	5	U	
103-65-1	N-PROPYLBENZENE	1	6.8	5		
95-49-8	2-CHLOROTOLUENE	1	5	5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	10	5		
106-43-4	4-CHLOROTOLUENE	1	5	5	U	
98-06-6	TERT-BUTYLBENZENE	1	5	5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	32	5		
135-98-8	SEC-BUTYLBENZENE	1	1.6	5	J	

Data Package ID: *VL0506217-2*

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 28-Jun-05
Prep Method: SW5030C

Prep Batch: VL050628-4
QCBatchID: VL050628-4-1
Run ID: VL050628-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10212

541-73-1	1,3-DICHLOROBENZENE	1	5	5	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5	5	U	
106-46-7	1,4-DICHLOROBENZENE	1	5	5	U	
104-51-8	N-BUTYLBENZENE	1	1.8	5	J	
95-50-1	1,2-DICHLOROBENZENE	1	5	5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5	5	U	
87-68-3	HEXACHLOROBUTADIENE	1	5	5	U	
91-20-3	NAPHTHALENE	1	8.1	5		
87-61-6	1,2,3-TRICHLOROBENZENE	1	5	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	42.3		50	85	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	42.6		50	85	79 - 120
2037-26-5	TOLUENE-D8	44.4		50	89	83 - 120

Data Package ID: *VL0506217-2*

Supporting QA/QC Data

Surrogate Summary for GC/MS Volatiles

Method SW8260

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

PrepBatchID: VL050627-4
QC Batch ID: VL050627-4-1
Date Extracted: 6/27/2005

Surrogate Compound	Control Limits Lower	Control Limits Upper
Dibromofluoromethane	79	120
Toluene-d8	83	120
4-Bromofluorobenzene	74	123
1,2-dichloroethane-d4		

Lab ID	Client Sample ID	Date Collected	Date Received	DBFM % Recovery	BZMED8 % Recovery	BR4FBZ % Recovery	12DCED4 % Recovery
0506217-11	GMI-Evap Tank West	6/22/2005	6/24/2005	108	110	107	
0506217-11MS	GMI-Evap Tank West	6/22/2005	6/24/2005	102	104	110	
0506217-11MSD	GMI-Evap Tank West	6/22/2005	6/24/2005	104	106	110	
VL050627-4LCS	XXXXXXX	NA	XXXXXXX	105	107	110	
VL050627-4LCSD	XXXXXXX	NA	XXXXXXX	105	108	111	
VL050627-4MB	XXXXXXX	NA	XXXXXXX	104	103	111	

Data Package ID: *VL0506217-1*

GC/MS Volatiles

Method SW8260B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: VL050627-4LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/27/2005
Date Analyzed: 06/27/2005
Prep Method: SW5030C

Prep Batch: VL050627-4
QCBatchID: VL050627-4-1
Run ID: VL050627-4A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10176

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
75-35-4	1,1-DICHLOROETHENE	50	57.5	5		115	68 - 130%
71-43-2	BENZENE	50	49.2	5		98	81 - 122%
79-01-6	TRICHLOROETHENE	50	50.9	5		102	70 - 127%
108-88-3	TOLUENE	50	49.7	5		99	77 - 122%
108-90-7	CHLOROBENZENE	50	53.9	5		108	81 - 122%

Lab ID: VL050627-4LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/27/2005
Date Analyzed: 06/27/2005
Prep Method: SW5030C

Prep Batch: VL050627-4
QCBatchID: VL050627-4-1
Run ID: VL050627-4A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10177

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
75-35-4	1,1-DICHLOROETHENE	50	59	5		118	20	3
71-43-2	BENZENE	50	50.5	5		101	20	2
79-01-6	TRICHLOROETHENE	50	51.4	5		103	20	1
108-88-3	TOLUENE	50	50.5	5		101	20	2
108-90-7	CHLOROBENZENE	50	52.9	5		106	20	2

Data Package ID: *VL0506217-1*

GC/MS Volatiles

Method SW8260B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50	110		111		74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	50	105		105		79 - 120
2037-26-5	TOLUENE-D8	50	107		108		83 - 120

Data Package ID: *VL0506217-1*

GC/MS Volatiles

Method SW8260B

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
LabID: 0506217-11MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030C

Prep Batch: VL050627-4
QCBatchID: VL050627-4-1
Run ID: VL050627-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
File Name: D10189

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
75-35-4	1,1-DICHLOROETHENE	50	U	478		50	500	96	68 - 130%
71-43-2	BENZENE	550		949	*	50	500	79	81 - 122%
79-01-6	TRICHLOROETHENE	50	U	476		50	500	95	70 - 127%
108-88-3	TOLUENE	850		1210	*	50	500	72	77 - 122%
108-90-7	CHLOROBENZENE	50	U	533		50	500	107	81 - 122%

Field ID: GMI-Evap Tank West
LabID: 0506217-11MSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030C

Prep Batch: VL050627-4
QCBatchID: VL050627-4-1
Run ID: VL050627-4A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
File Name: D10190

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
75-35-4	1,1-DICHLOROETHENE	504		500	101	50	20	5
71-43-2	BENZENE	965		500	83	50	20	2
79-01-6	TRICHLOROETHENE	494		500	99	50	20	4
108-88-3	TOLUENE	1240		500	78	50	20	2
108-90-7	CHLOROBENZENE	538		500	108	50	20	1

Data Package ID: *VL0506217-1*

GC/MS Volatiles

Method SW8260B

Matrix Spike And Matrix Spike Duplicate

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	500	110		110		74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	500	102		104		79 - 120
2037-26-5	TOLUENE-D8	500	104		106		83 - 120

Data Package ID: *VL0506217-1*

Prep Batch ID: VL050627-4

Start Date: 06/27/05
Start Time: 12:29
Prep Analyst: Tyler Knaebel

End Date: 06/27/05
End Time: 18:31

Concentration Method: NONE
Extract Method: SW5030C
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: twk
Date Created: 06/28/05
Time Created: 11:29
Validated By: twk
Date Validated: 06/28/05
Time Validated: 11:40

Comments:

5ML WATER

QC Batch ID: VL050627-4-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
VL050627-4	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506217
VL050627-4	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506217
VL050627-4	LCSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506217
0506217-11	MS	GMI-Evap Tank West	WATER	6/22/2005	5	5	NONE	1	0506217
0506217-11	MSD	GMI-Evap Tank West	WATER	6/22/2005	5	5	NONE	1	0506217
0506149-1	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506149
0506149-9	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506149
0506183-2	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506183
0506217-10	SMP	GMI-Evap Tank East	WATER	6/22/2005	5	5	NONE	1	0506217
0506217-11	SMP	GMI-Evap Tank West	WATER	6/22/2005	5	5	NONE	1	0506217

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Surrogate Summary for GC/MS Volatiles

Method SW8260

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

PrepBatchID: VL050628-4
QC Batch ID: VL050628-4-1
Date Extracted: 6/28/2005

Surrogate Compound	Control Limits Lower	Control Limits Upper
Dibromofluoromethane	79	120
Toluene-d8	83	120
4-Bromofluorobenzene	74	123
1,2-dichloroethane-d4		

Lab ID	Client Sample ID	Date Collected	Date Received	DBFM % Recovery	BZMED8 % Recovery	BR4FBZ % Recovery	12DCED4 % Recovery
0506217-10	GMI-Evap Tank East	6/22/2005	6/24/2005	99	107	107	
0506217-11RR1	GMI-Evap Tank West	6/22/2005	6/24/2005	85	89	85	
VL050628-4LCS	XXXXXXX	NA	XXXXXXX	100	105	107	
VL050628-4LCSD	XXXXXXX	NA	XXXXXXX	103	106	112	
VL050628-4MB	XXXXXXX	NA	XXXXXXX	105	105	111	

Data Package ID: *VL0506217-2*

GC/MS Volatiles

Method SW8260B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: VL050628-4LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/28/2005
Date Analyzed: 06/28/2005
Prep Method: SW5030C

Prep Batch: VL050628-4
QCBatchID: VL050628-4-1
Run ID: VL050628-4A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10203

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
75-35-4	1,1-DICHLOROETHENE	50	50.3	5		101	68 - 130%
71-43-2	BENZENE	50	47.9	5		96	81 - 122%
79-01-6	TRICHLOROETHENE	50	48.4	5		97	70 - 127%
108-88-3	TOLUENE	50	47.5	5		95	77 - 122%
108-90-7	CHLOROBENZENE	50	53.7	5		107	81 - 122%

Lab ID: VL050628-4LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/28/2005
Date Analyzed: 06/28/2005
Prep Method: SW5030C

Prep Batch: VL050628-4
QCBatchID: VL050628-4-1
Run ID: VL050628-4A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: ug/l
Clean DF: 1
File Name: D10204

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
75-35-4	1,1-DICHLOROETHENE	50	50.5	5		101	20	0
71-43-2	BENZENE	50	48.6	5		97	20	1
79-01-6	TRICHLOROETHENE	50	49.3	5		99	20	2
108-88-3	TOLUENE	50	48.6	5		97	20	2
108-90-7	CHLOROBENZENE	50	53.3	5		107	20	1

Data Package ID: *VL0506217-2*

GC/MS Volatiles

Method SW8260B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50	107		112		74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	50	100		103		79 - 120
2037-26-5	TOLUENE-D8	50	105		106		83 - 120

Data Package ID: *VL0506217-2*

Prep Batch ID: VL050628-4

Start Date: 06/28/05
Start Time: 11:23
Prep Analyst: Tyler Knaebel

End Date: 06/28/05
End Time: 19:46

Concentration Method: NONE
Extract Method: SW5030C
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: twk
Date Created: 06/29/05
Time Created: 11:24
Validated By: twk
Date Validated: 06/29/05
Time Validated: 11:27

Comments:

5ML HEATED WATER

QC Batch ID: VL050628-4-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
VL050628-4	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506201
VL050628-4	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506201
VL050628-4	LCSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506201
0506201-1	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506201
0506201-14	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506201
0506201-15	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506201
0506202-1	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506202
0506202-7	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506202
0506203-1	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506203
0506217-10	SMP	GMI-Evap Tank East	WATER	6/22/2005	5	5	NONE	1	0506217
0506217-11	SMP	GMI-Evap Tank West	WATER	6/22/2005	5	5	NONE	1	0506217
0506226-3	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506226
0506226-5	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0506226

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

BFB Injection Date: 6/7/2005
BFB Injection Time: 7:04
QCBatchID: VL050607-4A

Reported on: Wednesday, July 06, 2005

Level: Low **Column:** CAP **FileID:** D09884

m/e	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	17.5
75	30.0 - 60.0 percent of mass 95	45.6
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	8
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	77.4
175	5.0 - 9.0 percent of mass 174	7.2
176	Greater than 95.0 percent < 101.0 percent of mass 174	98.6
177	5.0 - 9.0 percent of mass 176	6.4

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	ICALVL020CSTD	D09888	6/7/2005	8:18
XXXXXXX	ICALVL050CSTD	D09889	6/7/2005	8:39
XXXXXXX	ICALVL100CSTD	D09890	6/7/2005	9:00
XXXXXXX	ICALVL200CSTD	D09891	6/7/2005	9:21
XXXXXXX	ICALVL002CSTD	D09895	6/7/2005	10:47
XXXXXXX	ICALVL005CSTD	D09896	6/7/2005	11:08
XXXXXXX	VL050607-4ICV	D09897	6/7/2005	11:28

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

BFB Injection Date: 6/27/2005
BFB Injection Time: 12:29
QCBatchID: VL050627-4A

Reported on: Wednesday, July 06, 2005

Level: Low **Column:** CAP **FileID:** D10173

m/e	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	16.5
75	30.0 - 60.0 percent of mass 95	45
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	8.3
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	85
175	5.0 - 9.0 percent of mass 174	7.2
176	Greater than 95.0 percent < 101.0 percent of mass 174	95.6
177	5.0 - 9.0 percent of mass 176	6.7

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	VL050627-4CCV1CCV	D10174	6/27/2005	12:43

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

BFB Injection Date: 6/27/2005
BFB Injection Time: 12:29
QCBatchID: VL050627-4-1

Reported on: Wednesday, July 06, 2005

Level: Low **Column:** CAP **FileID:** D10173

m/e	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	16.5
75	30.0 - 60.0 percent of mass 95	45
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	8.3
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	85
175	5.0 - 9.0 percent of mass 174	7.2
176	Greater than 95.0 percent < 101.0 percent of mass 174	95.6
177	5.0 - 9.0 percent of mass 176	6.7

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	VL050627-4LCS	D10176	6/27/2005	13:24
XXXXXXX	VL050627-4LCSD	D10177	6/27/2005	13:45
XXXXXXX	VL050627-4MB	D10179	6/27/2005	14:27
XXXXXXX	0506149-1	D10180	6/27/2005	14:48
XXXXXXX	0506149-9	D10181	6/27/2005	15:09
XXXXXXX	0506183-2	D10182	6/27/2005	15:29
GMI-Evap Tank West	0506217-11	D10188	6/27/2005	17:49
GMI-Evap Tank West	0506217-11MS	D10189	6/27/2005	18:10
GMI-Evap Tank West	0506217-11MSD	D10190	6/27/2005	18:31

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

BFB Injection Date: 6/28/2005
BFB Injection Time: 11:23
QCBatchID: VL050628-4A

Reported on: Wednesday, July 06, 2005

Level: Low **Column:** CAP **FileID:** D10201

m/e	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	15.5
75	30.0 - 60.0 percent of mass 95	42.6
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	7.9
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	86.4
175	5.0 - 9.0 percent of mass 174	7.3
176	Greater than 95.0 percent < 101.0 percent of mass 174	97.2
177	5.0 - 9.0 percent of mass 176	7

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	VL050628-4CCV1CCV	D10202	6/28/2005	11:35

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

BFB Injection Date: 6/28/2005
BFB Injection Time: 11:23
QCBatchID: VL050628-4-1

Reported on: Wednesday, July 06, 2005

Level: Low **Column:** CAP **FileID:** D10201

m/e	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	15.5
75	30.0 - 60.0 percent of mass 95	42.6
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	7.9
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	86.4
175	5.0 - 9.0 percent of mass 174	7.3
176	Greater than 95.0 percent < 101.0 percent of mass 174	97.2
177	5.0 - 9.0 percent of mass 176	7

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	VL050628-4LCS	D10203	6/28/2005	11:58
XXXXXXX	VL050628-4LCSD	D10204	6/28/2005	12:19
XXXXXXX	VL050628-4MB	D10205	6/28/2005	12:39
GMI-Evap Tank East	0506217-10	D10209	6/28/2005	14:10
GMI-Evap Tank West	0506217-11RR1	D10212	6/28/2005	15:15
XXXXXXX	0506201-1	D10215	6/28/2005	16:18
XXXXXXX	0506201-14	D10216	6/28/2005	16:39
XXXXXXX	0506201-15	D10217	6/28/2005	17:00
XXXXXXX	0506202-1	D10218	6/28/2005	17:21
XXXXXXX	0506202-7	D10219	6/28/2005	17:41
XXXXXXX	0506203-1	D10220	6/28/2005	18:02
XXXXXXX	0506226-3	D10221	6/28/2005	18:23
XXXXXXX	0506226-5	D10222	6/28/2005	18:44

060705S

5mL heated calibration
SW8260B / PAI SOP525r10
Analyst: T. Knaebel

HPV-4 Form 6

Calibration Level ID (ppb)	D09891.D 200	D09890.D 100	D09889.D 50	D09888.D 20	D09896.D 5	D09895.D 2	Average	%RSD		Curve type	Corr (2)	Higher order equation quad term	linear term	const term
Fluorobenzene										Avg RF	n/a			
Dichlorodifluoromethane	0.411	0.435	0.428	0.425	0.397		0.41910	3.61		Avg RF	n/a			
Chloromethane	0.320	0.338	0.334	0.337	0.308		0.32743	4.01	SPCC	Avg RF	n/a			
Vinyl chloride	0.349	0.371	0.371	0.368	0.346		0.36106	3.43	CCC	Avg RF	n/a			
Bromomethane		0.152	0.187	0.193	0.178	0.155	0.17309	10.72		Avg RF	n/a			
Chloroethane		0.143	0.172	0.184	0.181	0.146	0.16524	11.66		Avg RF	n/a			
Trichlorofluoromethane	0.358	0.390	0.413	0.424	0.401		0.39759	6.36		Avg RF	n/a			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.275	0.292	0.295	0.304	0.297		0.29263	3.75		Avg RF	n/a			
Acrolein	0.025	0.026	0.027	0.025	0.023		0.02516	5.55		Avg RF	n/a			
1,1-Dichloroethene	0.234	0.245	0.247	0.234	0.215		0.23516	5.41	CCC	Avg RF	n/a			
Acetone	0.013	0.014	0.014	0.014	0.020		0.01500	17.19		Linear	0.9998		0.0132815	0.00260118
Iodomethane	0.343	0.355	0.354	0.333	0.288		0.33462	8.27		Avg RF	n/a			
Carbon disulfide	0.795	0.860	0.869	0.848	0.823		0.83899	3.57		Avg RF	n/a			
Methylene chloride	0.232	0.237	0.238	0.228	0.351		0.25743	20.34		Linear	0.9998		0.2307737	0.00742964
Methyl-t-butyl ether	0.625	0.642	0.643	0.591	0.585		0.61739	4.50		Avg RF	n/a			
trans-1,2-Dichloroethene	0.264	0.266	0.267	0.252	0.242		0.25819	4.25		Avg RF	n/a			
Acrylonitrile	0.050	0.053	0.054	0.051	0.051		0.05170	2.95		Avg RF	n/a			
Vinyl acetate	0.403	0.415	0.410	0.366	0.335		0.38583	8.91		Avg RF	n/a			
1,1-Dichloroethane	0.421	0.442	0.448	0.427	0.419		0.43128	3.00	SPCC	Avg RF	n/a			
2-Butanone	0.077	0.083	0.081	0.076	0.084		0.08022	4.58		Avg RF	n/a			
2,2-Dichloropropane	0.386	0.406	0.398	0.376	0.357		0.38467	4.95		Avg RF	n/a			
cis-1,2-Dichloroethene	0.270	0.278	0.278	0.263	0.246		0.26712	5.03		Avg RF	n/a			
Bromochloromethane	0.115	0.115	0.114	0.109	0.103		0.11121	4.86		Avg RF	n/a			
Chloroform	0.413	0.430	0.436	0.415	0.399		0.41853	3.63	CCC	Avg RF	n/a			
Dibromofluoromethane	0.212	0.214	0.221	0.228	0.215		0.21794	3.02		Avg RF	n/a			
1,1,1-Trichloroethane	0.399	0.415	0.416	0.390	0.372		0.39810	4.62		Avg RF	n/a			
Carbon Tetrachloride	0.342	0.345	0.339	0.316	0.291		0.32666	7.07		Avg RF	n/a			
1,1-Dichloropropene	0.356	0.373	0.375	0.361	0.345		0.36211	3.50		Avg RF	n/a			
1,2-Dichloroethane-d4	0.190	0.198	0.206	0.212	0.209		0.20307	4.53		Avg RF	n/a			
Benzene	0.942	1.035	1.055	1.029	1.002		1.01263	4.31		Avg RF	n/a			
1,2-Dichloroethane	0.243	0.251	0.258	0.245	0.240		0.24732	2.98		Avg RF	n/a			
Trichloroethene	0.294	0.300	0.295	0.272	0.261		0.28429	6.06		Avg RF	n/a			
1,2-Dichloropropane	0.258	0.269	0.266	0.248	0.234		0.25494	5.62	CCC	Avg RF	n/a			
Dibromomethane	0.130	0.131	0.129	0.119	0.111		0.12417	6.94		Avg RF	n/a			
Bromodichloromethane	0.294	0.308	0.303	0.273	0.256		0.28669	7.64		Avg RF	n/a			
2-Chloroethyl vinyl ether	0.114	0.116	0.111	0.097	0.082		0.10411	13.74		Avg RF	n/a			
cis-1,3-Dichloropropene	0.404	0.423	0.413	0.365	0.336		0.38824	9.43		Avg RF	n/a			
4-Methyl-2-pentanone	0.149	0.168	0.172	0.160	0.155		0.16084	5.90		Avg RF	n/a			
Toluene-d8	0.740	0.808	0.852	0.874	0.780		0.81075	6.65		Avg RF	n/a			
Toluene	0.928	1.036	1.077	1.043	1.000		1.01687	5.57	CCC	Avg RF	n/a			
trans-1,3-Dichloropropene	0.315	0.329	0.321	0.285	0.258		0.30169	9.74		Avg RF	n/a			
1,1,2-Trichloroethane	0.156	0.163	0.162	0.149	0.146		0.15524	5.05		Avg RF	n/a			
Tetrachloroethene	0.227	0.229	0.227	0.210	0.194		0.21721	7.04		Avg RF	n/a			
2-Hexanone	0.105	0.118	0.118	0.107	0.101		0.10963	7.05		Avg RF	n/a			
1,3-Dichloropropane	0.293	0.314	0.317	0.299	0.290		0.30263	3.98		Avg RF	n/a			
Dibromochloromethane	0.205	0.209	0.204	0.178	0.160		0.19117	11.29		Avg RF	n/a			
1,2-Dibromoethane	0.174	0.179	0.179	0.161	0.154		0.16928	6.63		Avg RF	n/a			
Chlorobenzene-d5										Avg RF	n/a			
1-Chlorohexane	1.061	1.022	1.039	0.966	0.895		0.99655	6.69		Avg RF	n/a			
Chlorobenzene	1.727	1.762	1.795	1.696	1.647		1.72518	3.33	SPCC	Avg RF	n/a			
Ethylbenzene	2.756	2.946	3.119	3.030	2.890		2.94807	4.69	CCC	Avg RF	n/a			
1,1,1,2-Tetrachloroethane	0.564	0.553	0.556	0.516	0.475		0.53292	6.98		Avg RF	n/a			
m,p-Xylene	1.099	1.156	1.203	1.154	1.109		1.14426	3.67		Avg RF	n/a			
o-Xylene	1.201	1.211	1.218	1.113	1.038		1.15605	6.78		Avg RF	n/a			
Styrene	1.864	1.949	1.996	1.820	1.715		1.86886	5.89		Avg RF	n/a			
Bromoform	0.351	0.328	0.314	0.267	0.235		0.29924	15.80	SPCC	Linear	0.9990		0.3563262	-0.0331152
Isopropylbenzene	2.812	2.992	3.141	3.021	2.846		2.96242	4.54		Avg RF	n/a			
1,4-Dichlorobenzene-d4										Avg RF	n/a			
4-Bromofluorobenzene	0.804	0.846	0.877	0.909	0.872		0.86162	4.57		Avg RF	n/a			
1,1,2,2-Tetrachloroethane	0.559	0.581	0.592	0.541	0.537		0.56206	4.32	SPCC	Avg RF	n/a			
n-Propylbenzene	3.441	4.000	4.305	4.170	4.056		3.99429	8.28		Avg RF	n/a			
Bromobenzene	0.752	0.781	0.788	0.740	0.712		0.75460	4.12		Avg RF	n/a			
1,2,3-Trichloropropane	0.165	0.173	0.178	0.168	0.169		0.17061	2.87		Avg RF	n/a			
1,3,5-Trimethylbenzene	2.570	2.755	2.912	2.794	2.673		2.74076	4.69		Avg RF	n/a			
2-Chlorotoluene	2.266	2.515	2.649	2.674	2.607		2.52228	6.00		Avg RF	n/a			
4-Chlorotoluene	2.093	2.265	2.334	2.282	2.252		2.24524	4.03		Avg RF	n/a			
tert-Butylbenzene	2.326	2.395	2.513	2.395	2.311		2.38812	3.35		Avg RF	n/a			
1,2,4-Trimethylbenzene	2.478	2.633	2.714	2.608	2.477		2.58199	3.99		Avg RF	n/a			
sec-Butylbenzene	3.292	3.440	3.667	3.592	3.495		3.49709	4.12		Avg RF	n/a			
p-Isopropyltoluene	2.905	2.932	3.128	3.030	2.816		2.96224	4.05		Avg RF	n/a			
1,3-Dichlorobenzene	1.537	1.528	1.552	1.443	1.405		1.49310	4.36		Avg RF	n/a			
1,4-Dichlorobenzene	1.575	1.577	1.581	1.497	1.521		1.55015	2.48		Avg RF	n/a			
n-Butylbenzene	2.841	2.779	2.876	2.772	2.551		2.76378	4.58		Avg RF	n/a			
1,2-Dichlorobenzene	1.401	1.358	1.366	1.243	1.190		1.31162	6.90		Avg RF	n/a			
1,2-Dibromo-3-chloropropane	0.135	0.124	0.116	0.096	0.089		0.11179	17.18		Linear	0.9983		0.1371447	-0.0157096
1,2,4-Trichlorobenzene	1.270	1.170	1.126	0.988	0.897		1.09057	13.60		Avg RF	n/a			
Hexachlorobutadiene	0.783	0.644	0.601	0.556	0.488	0.469	0.59017	19.54		Quadratic	0.9999	0.0663381	0.5168507	0.00163019
Naphthalene	2.265	2.287	2.287	1.977	1.764		2.11590	11.19		Avg RF	n/a			
1,2,3-Trichlorobenzene	1.124	1.042	1.046	0.940	0.852		1.00081	10.61		Avg RF	n/a			

Ketones concentration 4x calibration level ID.
Acrolein and Acrylonitrile concentration 10x calibration level ID.
M&P-Xylenes concentration 2x calibration level ID.

Average = 6.72

m 6/7/05

FORM 7
Continuing Calibration Verification Report

Data File: C:\MSDCHEM\1\DATA\060705\ D09897.D
Acq On: 6/7/2005 11:28
Sample: VL050607-4ICV
Misc: 5mL heated water, 2nd source

Vial: 15
Operator: TWK SOP525r10
Inst: HPV-4
Multiplier: 1

Method: 060705S
Title: GCMS Volatiles (S.O.P. 525)
Last Upd: Tue Jun 07 11:40:24 2005

		Compound	AvgRF	CCRF	Expt Conc	Found Conc	% Dev or % Drift	Area % Difference	R.T. Dev (min)	Curve Fit Type
1)	ISTD	Fluorobenzene						97	0.00	
2)		Dichlorodifluoromethane	0.419	0.494			18.0	112	0.00	Avg RF
3)	SPCC	Chloromethane	0.327	0.359			9.5	104	0.00	Avg RF
4)	CCC	Vinyl chloride	0.361	0.385			6.7	100	0.00	Avg RF
5)		Bromomethane	0.173	0.204			18.1	106	0.00	Avg RF
6)		Chloroethane	0.165	0.188			13.9	105	0.00	Avg RF
7)		Trichlorofluoromethane	0.398	0.461			16.0	108	0.00	Avg RF
8)		1,1,2-Trichloro-1,2,2-trifluoroethane	0.293	0.302			3.2	99	0.00	Avg RF
9)		Acrolein	0.025	0.021			-15.3	77	0.00	Avg RF
10)	CCC	1,1-Dichloroethene	0.235	0.246			4.4	96	0.00	Avg RF
11)		Acetone	n/a	n/a	200	225.24	12.6	108	0.00	Linear
12)		Iodomethane	0.335	0.332			-0.7	91	0.00	Avg RF
13)		Carbon disulfide	0.839	0.804			-4.2	89	0.00	Avg RF
14)		Methylene chloride	n/a	n/a	50	47.61	-4.8	92	0.00	Linear
15)		Methyl-t-butyl ether	0.617	0.619			0.2	93	0.00	Avg RF
16)		trans-1,2-Dichloroethene	0.258	0.260			0.5	94	0.00	Avg RF
17)		Acrylonitrile	0.052	0.059			13.4	106	0.00	Avg RF
18)		Vinyl acetate	0.386	0.320			-17.2	75	0.00	Avg RF
19)	SPCC	1,1-Dichloroethane	0.431	0.451			4.5	97	0.00	Avg RF
20)		2-Butanone	0.080	0.095			18.2	114	0.00	Avg RF
21)		2,2-Dichloropropane	0.385	0.369			-4.1	90	0.00	Avg RF
22)		cis-1,2-Dichloroethene	0.267	0.258			-3.3	90	0.00	Avg RF
23)		Bromochloromethane	0.111	0.107			-3.4	91	0.00	Avg RF
24)	CCC	Chloroform	0.419	0.412			-1.5	92	0.00	Avg RF
25)	(surr)	Dibromofluoromethane								
26)		1,1,1-Trichloroethane	0.398	0.392			-1.6	91	0.00	Avg RF
27)		Carbon Tetrachloride	0.327	0.333			2.1	95	0.00	Avg RF
28)		1,1-Dichloropropene	0.362	0.384			6.0	99	0.00	Avg RF
29)	(surr)	1,2-Dichloroethane-d4								
30)		Benzene	1.013	1.027			1.5	94	0.00	Avg RF
31)		1,2-Dichloroethane	0.247	0.249			0.6	93	0.00	Avg RF
32)		Trichloroethene	0.284	0.286			0.7	94	0.00	Avg RF
33)	CCC	1,2-Dichloropropane	0.255	0.260			2.0	95	0.00	Avg RF
34)		Dibromomethane	0.124	0.122			-2.0	91	0.00	Avg RF
35)		Bromodichloromethane	0.287	0.300			4.5	95	0.00	Avg RF
36)		2-Chloroethyl vinyl ether	0.104	0.107			3.2	94	0.00	Avg RF
37)		cis-1,3-Dichloropropene	0.388	0.393			1.2	92	0.00	Avg RF
38)		4-Methyl-2-pentanone	0.161	0.193			20.3	109	0.00	Avg RF
39)	(surr)	Toluene-d8								
40)	CCC	Toluene	1.017	1.033			1.5	93	0.00	Avg RF
41)		trans-1,3-Dichloropropene	0.302	0.320			6.0	95	0.00	Avg RF
42)		1,1,2-Trichloroethane	0.155	0.161			3.6	96	0.00	Avg RF
43)		Tetrachloroethene	0.217	0.220			1.3	94	0.00	Avg RF
44)		2-Hexanone	0.110	0.136			23.7	111	0.00	Avg RF
45)		1,3-Dichloropropane	0.303	0.325			7.5	99	0.00	Avg RF
46)		Dibromochloromethane	0.191	0.209			9.1	99	0.00	Avg RF
47)		1,2-Dibromoethane	0.169	0.184			9.0	100	-0.01	Avg RF
48)	ISTD	Chlorobenzene-d5						97	0.00	
49)		1-Chlorohexane	0.997	0.994			-0.2	93	0.00	Avg RF
50)	SPCC	Chlorobenzene	1.725	1.757			1.8	95	0.00	Avg RF
51)	CCC	Ethylbenzene	2.948	3.008			2.0	94	0.00	Avg RF
52)		1,1,1,2-Tetrachloroethane	0.533	0.557			4.6	98	0.00	Avg RF
53)		m,p-Xylene	1.144	1.193			4.2	97	0.00	Avg RF
54)		o-Xylene	1.156	1.195			3.4	96	0.00	Avg RF
55)		Styrene	1.869	1.926			3.1	94	0.00	Avg RF
56)	SPCC	Bromoform	n/a	n/a	50	49.33	-1.3	99	0.00	Linear
57)		Isopropylbenzene	2.962	2.869			-3.2	89	0.00	Avg RF
58)	ISTD	1,4-Dichlorobenzene-d4						98	0.00	
59)	(surr)	4-Bromofluorobenzene								
60)	SPCC	1,1,2,2-Tetrachloroethane	0.562	0.604			7.4	100	0.00	Avg RF
61)		n-Propylbenzene	3.994	4.032			0.9	92	0.00	Avg RF
62)		Bromobenzene	0.755	0.771			2.2	96	0.00	Avg RF
63)		1,2,3-Trichloropropane	0.171	0.181			6.2	100	0.00	Avg RF
64)		1,3,5-Trimethylbenzene	2.741	2.760			0.7	93	0.00	Avg RF
65)		2-Chlorotoluene	2.522	2.552			1.2	94	0.00	Avg RF
66)		4-Chlorotoluene	2.245	2.293			2.1	96	0.00	Avg RF
67)		tert-Butylbenzene	2.388	2.461			3.1	96	0.00	Avg RF
68)		1,2,4-Trimethylbenzene	2.582	2.711			5.0	98	0.00	Avg RF
69)		sec-Butylbenzene	3.497	3.627			3.7	97	0.00	Avg RF
70)		p-Isopropyltoluene	2.962	2.948			-0.5	92	0.00	Avg RF
71)		1,3-Dichlorobenzene	1.493	1.474			-1.3	93	0.00	Avg RF
72)		1,4-Dichlorobenzene	1.550	1.468			-5.3	91	0.00	Avg RF
73)		n-Butylbenzene	2.764	2.826			2.2	96	0.00	Avg RF
74)		1,2-Dichlorobenzene	1.312	1.367			4.2	98	0.00	Avg RF
75)		1,2-Dibromo-3-chloropropane	n/a	n/a	50	50.63	1.3	104	0.00	Linear
76)		1,2,4-Trichlorobenzene	1.091	1.082			-0.8	94	0.00	Avg RF
77)		Hexachlorobutadiene	n/a	n/a	50	50.21	0.4	96	0.00	Quadratic
78)		Naphthalene	2.116	2.243			6.0	96	0.00	Avg RF
79)		1,2,3-Trichlorobenzene	1.001	1.001			0.0	94	-0.01	Avg RF

Average absolute value = 5.3

TWK 6/7/05

FORM 7
Continuing Calibration Verification Report

Data File: C:\MSDCHEM\1\DATA\062705\ D10174.D
Acq On: 6/27/2005 12:43
Sample: VL050627-4CCV
Misc: 5mL heated water, 1st source

Vial: 4
Operator: TWK SOP525r10
Inst: HPV-4
Multiplier: 1

Method: 060705S
Title: GCMS Volatiles (S.O.P. 525)
Last Upd: Fri Jun 24 09:00:52 2005

		Compound	AvgRF	CCRF	Expt Conc	Found Conc	% Dev or % Drift	Area % Difference	R.T. Dev (min)	Curve Fit Type
1)	ISTD	Fluorobenzene						123	0.00	
2)		Dichlorodifluoromethane	0.419	0.451			7.7	128	0.00	Avg RF
3)	SPCC	Chloromethane	0.327	0.336			2.7	123	0.00	Avg RF
4)	CCC	Vinyl chloride	0.361	0.367			1.6	122	0.00	Avg RF
5)		Bromomethane	0.173	0.197			14.0	160	0.01	Avg RF
6)		Chloroethane	0.165	0.167			1.3	145	0.00	Avg RF
7)		Trichlorofluoromethane	0.398	0.422			6.2	133	0.00	Avg RF
8)		1,1,2-Trichloro-1,2,2-trifluoroethane	0.293	0.299			2.0	126	0.00	Avg RF
9)		Acrolein	0.025	0.022			-11.6	105	0.00	Avg RF
10)	CCC	1,1-Dichloroethene	0.235	0.232			-1.5	116	0.00	Avg RF
11)		Acetone	n/a	n/a	400	392.96	-1.8	119	0.00	Linear
12)		Iodomethane	0.335	0.349			4.3	121	0.00	Avg RF
13)		Carbon disulfide	0.839	0.779			-7.2	112	0.00	Avg RF
14)		Methylene chloride	n/a	n/a	100	91.05	-8.9	111	0.00	Linear
15)		Methyl-t-butyl ether	0.617	0.556			-10.0	107	0.00	Avg RF
16)		trans-1,2-Dichloroethene	0.258	0.247			-4.5	114	0.00	Avg RF
17)		Acrylonitrile	0.052	0.043			-16.7	100	0.00	Avg RF
18)		Vinyl acetate	0.386	0.359			-7.0	107	0.00	Avg RF
19)	SPCC	1,1-Dichloroethane	0.431	0.398			-7.7	111	0.00	Avg RF
20)		2-Butanone	0.080	0.073			-9.6	107	0.00	Avg RF
21)		2,2-Dichloropropane	0.385	0.389			1.1	118	0.00	Avg RF
22)		cis-1,2-Dichloroethene	0.267	0.255			-4.6	113	-0.01	Avg RF
23)		Bromochloromethane	0.111	0.111			-0.3	119	0.00	Avg RF
24)	CCC	Chloroform	0.419	0.399			-4.7	114	0.00	Avg RF
25)	(surr)	Dibromofluoromethane	0.218	0.226			3.7	123	0.00	Avg RF
26)		1,1,1-Trichloroethane	0.398	0.393			-1.2	117	0.00	Avg RF
27)		Carbon Tetrachloride	0.327	0.344			5.4	123	-0.01	Avg RF
28)		1,1-Dichloropropene	0.362	0.340			-6.1	112	-0.01	Avg RF
29)	(surr)	1,2-Dichloroethane-d4	0.203	0.202			-0.4	119	0.00	Avg RF
30)		Benzene	1.013	0.936			-7.6	112	0.00	Avg RF
31)		1,2-Dichloroethane	0.247	0.231			-6.8	113	-0.01	Avg RF
32)		Trichloroethene	0.284	0.281			-1.1	116	0.00	Avg RF
33)	CCC	1,2-Dichloropropane	0.255	0.238			-6.7	109	0.00	Avg RF
34)		Dibromomethane	0.124	0.124			-0.3	116	0.00	Avg RF
35)		Bromodichloromethane	0.287	0.288			0.3	115	0.01	Avg RF
36)		2-Chloroethyl vinyl ether	0.104	0.104			-0.5	110	0.00	Avg RF
37)		cis-1,3-Dichloropropene	0.388	0.385			-0.9	112	0.00	Avg RF
38)		4-Methyl-2-pentanone	0.161	0.149			-7.5	109	0.00	Avg RF
39)	(surr)	Toluene-d8	0.811	0.863			6.4	123	0.00	Avg RF
40)	CCC	Toluene	1.017	0.960			-5.6	114	0.00	Avg RF
41)		trans-1,3-Dichloropropene	0.302	0.308			2.0	115	0.00	Avg RF
42)		1,1,2-Trichloroethane	0.155	0.153			-1.5	116	0.00	Avg RF
43)		Tetrachloroethene	0.217	0.226			4.1	122	0.00	Avg RF
44)		2-Hexanone	0.110	0.104			-5.3	109	0.01	Avg RF
45)		1,3-Dichloropropane	0.303	0.287			-5.1	113	0.00	Avg RF
46)		Dibromochloromethane	0.191	0.206			7.9	122	0.00	Avg RF
47)		1,2-Dibromoethane	0.169	0.173			2.0	119	0.00	Avg RF
48)	ISTD	Chlorobenzene-d5						119	0.00	
49)		1-Chlorohexane	0.997	1.007			1.0	117	0.00	Avg RF
50)	SPCC	Chlorobenzene	1.725	1.718			-0.4	116	-0.01	Avg RF
51)	CCC	Ethylbenzene	2.948	2.827			-4.1	114	0.00	Avg RF
52)		1,1,1,2-Tetrachloroethane	0.533	0.569			6.7	122	0.00	Avg RF
53)		m,p-Xylene	1.144	1.141			-0.3	117	0.00	Avg RF
54)		o-Xylene	1.156	1.176			1.7	115	0.00	Avg RF
55)		Styrene	1.869	1.869			0.0	114	0.00	Avg RF
56)	SPCC	Bromoform	n/a	0.371	100	102.54	2.5	126	0.00	Linear
57)		Isopropylbenzene	2.962	2.918			-1.5	116	0.00	Avg RF
58)	ISTD	1,4-Dichlorobenzene-d4						126	0.00	
59)	(surr)	4-Bromofluorobenzene	0.862	0.917			6.4	130	0.00	Avg RF
60)	SPCC	1,1,2,2-Tetrachloroethane	0.562	0.537			-4.5	116	0.00	Avg RF
61)		n-Propylbenzene	3.994	3.677			-7.9	116	0.00	Avg RF
62)		Bromobenzene	0.755	0.747			-1.1	120	0.00	Avg RF
63)		1,2,3-Trichloropropane	0.171	0.164			-3.7	120	0.00	Avg RF
64)		1,3,5-Trimethylbenzene	2.741	2.563			-6.5	117	0.00	Avg RF
65)		2-Chlorotoluene	2.522	2.289			-9.2	115	0.00	Avg RF
66)		4-Chlorotoluene	2.245	2.047			-8.8	114	0.00	Avg RF
67)		tert-Butylbenzene	2.388	2.271			-4.9	119	0.00	Avg RF
68)		1,2,4-Trimethylbenzene	2.582	2.428			-6.0	116	-0.01	Avg RF
69)		sec-Butylbenzene	3.497	3.267			-6.6	120	0.00	Avg RF
70)		p-Isopropyltoluene	2.962	2.858			-3.5	123	0.00	Avg RF
71)		1,3-Dichlorobenzene	1.493	1.462			-2.1	120	0.00	Avg RF
72)		1,4-Dichlorobenzene	1.550	1.502			-3.1	120	0.00	Avg RF
73)		n-Butylbenzene	2.764	2.723			-1.5	123	0.00	Avg RF
74)		1,2-Dichlorobenzene	1.312	1.299			-1.0	120	0.00	Avg RF
75)		1,2-Dibromo-3-chloropropane	n/a	n/a	100	92.08	-7.9	120	0.00	Linear
76)		1,2,4-Trichlorobenzene	1.091	1.211			11.1	130	0.00	Avg RF
77)		Hexachlorobutadiene	n/a	n/a	100	107.35	7.4	139	-0.01	Quadratic
78)		Naphthalene	2.116	2.231			5.5	123	0.00	Avg RF
79)		1,2,3-Trichlorobenzene	1.001	1.080			7.9	130	0.00	Avg RF

Average absolute value = 4.7

mu 6/27/05

FORM 7
Continuing Calibration Verification Report

Data File: C:\MSDCHEM\1\DATA\062805\ D10202.D
Acq On: 6/28/2005 11:35
Sample: VL050628-4CCV
Misc: 5mL heated water, 1st source

Vial: 5
Operator: TWK SOP525r10
Inst: HPV-4
Multiplier: 1

Method: 060705S
Title: GCMS Volatiles (S.O.P. 525)
Last Upd: Mon Jun 27 13:10:23 2005

		Compound	AvgRF	CCRF	Expt Conc	Found Conc	% Dev or % Drift	Area % Difference	R.T. Dev (min)	Curve Fit Type
1)	ISTD	Fluorobenzene						124	0.00	
2)		Dichlorodifluoromethane	0.419	0.401			-4.3	115	0.00	Avg RF
3)	SPCC	Chloromethane	0.327	0.268			-18.0	99	0.00	Avg RF
4)	CCC	Vinyl chloride	0.361	0.338			-6.4	113	0.00	Avg RF
5)		Bromomethane	0.173	0.189			9.4	155	-0.01	Avg RF
6)		Chloroethane	0.165	0.137			-17.3	119	0.00	Avg RF
7)		Trichlorofluoromethane	0.398	0.374			-5.9	119	0.00	Avg RF
8)		1,1,2-Trichloro-1,2,2-trifluoroethane	0.293	0.286			-2.3	122	0.00	Avg RF
9)		Acrolein	0.025	0.023			-6.9	111	0.00	Avg RF
10)	CCC	1,1-Dichloroethene	0.235	0.232			-1.5	117	0.00	Avg RF
11)		Acetone	n/a	n/a	400	419.86	5.0	128	-0.01	Linear
12)		Iodomethane	0.335	0.392			17.0	137	0.00	Avg RF
13)		Carbon disulfide	0.839	0.821			-2.2	119	-0.01	Avg RF
14)		Methylene chloride	n/a	n/a	100	101.19	1.2	124	0.00	Linear
15)		Methyl-t-butyl ether	0.617	0.575			-6.9	111	0.00	Avg RF
16)		trans-1,2-Dichloroethene	0.258	0.255			-1.1	119	0.00	Avg RF
17)		Acrylonitrile	0.052	0.050			-4.2	116	0.00	Avg RF
18)		Vinyl acetate	0.386	0.365			-5.5	109	0.00	Avg RF
19)	SPCC	1,1-Dichloroethane	0.431	0.389			-9.9	110	0.00	Avg RF
20)		2-Butanone	0.080	0.078			-2.9	116	0.00	Avg RF
21)		2,2-Dichloropropane	0.385	0.377			-2.1	116	0.00	Avg RF
22)		cis-1,2-Dichloroethene	0.267	0.261			-2.2	117	0.00	Avg RF
23)		Bromochloromethane	0.111	0.114			2.3	123	0.00	Avg RF
24)	CCC	Chloroform	0.419	0.393			-6.1	114	0.00	Avg RF
25)	(surr)	Dibromofluoromethane	0.218	0.226			3.8	125	-0.01	Avg RF
26)		1,1,1-Trichloroethane	0.398	0.386			-3.2	116	0.00	Avg RF
27)		Carbon Tetrachloride	0.327	0.336			2.9	121	0.00	Avg RF
28)		1,1-Dichloropropene	0.362	0.343			-5.2	114	0.00	Avg RF
29)	(surr)	1,2-Dichloroethane-d4	0.203	0.190			-6.3	113	0.00	Avg RF
30)		Benzene	1.013	0.957			-5.5	115	0.00	Avg RF
31)		1,2-Dichloroethane	0.247	0.222			-10.2	110	0.00	Avg RF
32)		Trichloroethene	0.284	0.284			0.1	118	0.00	Avg RF
33)	CCC	1,2-Dichloropropane	0.255	0.240			-6.0	111	0.00	Avg RF
34)		Dibromomethane	0.124	0.127			2.6	121	0.00	Avg RF
35)		Bromodichloromethane	0.287	0.282			-1.7	114	0.00	Avg RF
36)		2-Chloroethyl vinyl ether	0.104	0.106			1.9	113	0.00	Avg RF
37)		cis-1,3-Dichloropropene	0.388	0.386			-0.5	114	0.00	Avg RF
38)		4-Methyl-2-pentanone	0.161	0.156			-2.8	116	0.00	Avg RF
39)	(surr)	Toluene-d8	0.811	0.853			5.2	122	0.00	Avg RF
40)	CCC	Toluene	1.017	0.958			-5.8	115	0.00	Avg RF
41)		trans-1,3-Dichloropropene	0.302	0.300			-0.5	114	0.00	Avg RF
42)		1,1,2-Trichloroethane	0.155	0.156			0.2	119	0.00	Avg RF
43)		Tetrachloroethene	0.217	0.230			5.7	124	0.00	Avg RF
44)		2-Hexanone	0.110	0.110			0.8	117	-0.01	Avg RF
45)		1,3-Dichloropropane	0.303	0.291			-3.7	116	0.00	Avg RF
46)		Dibromochloromethane	0.191	0.208			8.8	124	0.00	Avg RF
47)		1,2-Dibromoethane	0.169	0.179			6.0	125	0.00	Avg RF
48)	ISTD	Chlorobenzene-d5						116	0.00	
49)		1-Chlorohexane	0.997	1.043			4.6	119	0.00	Avg RF
50)	SPCC	Chlorobenzene	1.725	1.790			3.7	118	0.00	Avg RF
51)	CCC	Ethylbenzene	2.948	2.899			-1.7	115	0.00	Avg RF
52)		1,1,1,2-Tetrachloroethane	0.533	0.571			7.2	120	-0.01	Avg RF
53)		m,p-Xylene	1.144	1.187			3.7	120	0.00	Avg RF
54)		o-Xylene	1.156	1.228			6.3	118	-0.01	Avg RF
55)		Styrene	1.869	1.929			3.2	115	0.00	Avg RF
56)	SPCC	Bromoform	n/a	0.375	100	109.99	10.0	133	0.00	Linear
57)		Isopropylbenzene	2.962	3.002			1.3	117	0.00	Avg RF
58)	ISTD	1,4-Dichlorobenzene-d4						130	0.00	
59)	(surr)	4-Bromofluorobenzene	0.862	0.906			5.1	133	0.00	Avg RF
60)	SPCC	1,1,2,2-Tetrachloroethane	0.562	0.557			-0.9	125	0.00	Avg RF
61)		n-Propylbenzene	3.994	3.618			-9.4	118	0.00	Avg RF
62)		Bromobenzene	0.755	0.734			-2.8	122	0.00	Avg RF
63)		1,2,3-Trichloropropane	0.171	0.169			-0.7	128	0.00	Avg RF
64)		1,3,5-Trimethylbenzene	2.741	2.498			-8.9	118	0.00	Avg RF
65)		2-Chlorotoluene	2.522	2.215			-12.2	115	-0.01	Avg RF
66)		4-Chlorotoluene	2.245	2.015			-10.3	116	0.00	Avg RF
67)		tert-Butylbenzene	2.388	2.230			-6.6	121	0.00	Avg RF
68)		1,2,4-Trimethylbenzene	2.582	2.379			-7.9	118	0.00	Avg RF
69)		sec-Butylbenzene	3.497	3.218			-8.0	122	0.00	Avg RF
70)		p-Isopropyltoluene	2.962	2.787			-5.9	124	0.00	Avg RF
71)		1,3-Dichlorobenzene	1.493	1.453			-2.7	124	0.00	Avg RF
72)		1,4-Dichlorobenzene	1.550	1.494			-3.6	123	0.00	Avg RF
73)		n-Butylbenzene	2.764	2.581			-6.6	121	0.00	Avg RF
74)		1,2-Dichlorobenzene	1.312	1.285			-2.0	123	0.00	Avg RF
75)		1,2-Dibromo-3-chloropropane	n/a	n/a	100	93.07	-6.9	126	0.00	Linear
76)		1,2,4-Trichlorobenzene	1.091	1.142			4.7	127	0.00	Avg RF
77)		Hexachlorobutadiene	n/a	n/a	100	99.70	-0.3	131	0.00	Quadratic
78)		Naphthalene	2.116	2.170			2.6	124	0.00	Avg RF
79)		1,2,3-Trichlorobenzene	1.001	1.015			1.5	127	0.00	Avg RF

Average absolute value = 5.0

m 6/28/05

8A

Volatile Internal Standard Area Summary

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Date Analyzed: 6/27/2005
Time Analyzed: 12:43
Reported on: Wednesday, July 06, 2005

Instrument ID: HPV4
Lab File ID: D10174

	IS1		IS2		IS3		IS4		IS5		IS6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
12 Hour STD	440742	7.45	160282	10.20	151744	12.19						
Upper Limit	881484	7.95	320564	10.7	303488	12.7						
Lower Limit	220371	6.95	80141	9.7	75872	11.7						
Lab Sample ID												
0506217-11	563808	7.45	207166	10.20	196122	12.18						
0506183-2	475873	7.45	166566	10.20	146052	12.18						
0506149-9	470772	7.45	166639	10.20	147205	12.18						
0506149-1	474035	7.45	167332	10.20	147621	12.18						
0506217-11MSD	550830	7.45	198348	10.20	179460	12.18						
0506217-11MS	555184	7.45	198846	10.20	180973	12.18						
VL050627-4MB	493214	7.45	172107	10.20	150696	12.18						
VL050627-4LCSD	451555	7.45	165796	10.20	149771	12.18						
VL050627-4LCS	435300	7.45	157158	10.20	146085	12.18						

Shaded values exceed established area count limits.

LIMS Version: 5.199A

Upper Limit = + 100 percent of internal standard area.
Lower Limit = - 50 percent of internal standard area.

8A

Volatile Internal Standard Area Summary

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Date Analyzed: 6/28/2005
Time Analyzed: 11:35
Reported on: Wednesday, July 06, 2005

Instrument ID: HPV4
Lab File ID: D10202

	IS1		IS2		IS3		IS4		IS5		IS6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
12 Hour STD	444482	7.45	157257	10.20	156973	12.19						
Upper Limit	888964	7.95	314514	10.7	313946	12.7						
Lower Limit	222241	6.95	78628.5	9.7	78486.5	11.7						
Lab Sample ID												
0506226-5	535747	7.45	184830	10.20	170709	12.18						
0506226-3	546300	7.45	189277	10.20	172601	12.18						
0506217-11RR1	531292	7.45	209204	10.20	196544	12.18						
0506217-10	520082	7.45	190446	10.20	173175	12.18						
0506203-1	540470	7.45	186455	10.20	173953	12.18						
0506202-7	554738	7.45	192054	10.20	178309	12.18						
0506202-1	545500	7.45	190810	10.20	178392	12.18						
0506201-15	582289	7.45	200453	10.20	187670	12.18						
0506201-14	599589	7.45	207164	10.20	192247	12.18						
0506201-1	602153	7.45	208017	10.20	197115	12.18						
VL050628-4MB	532481	7.45	184462	10.20	165906	12.18						
VL050628-4LCSD	502345	7.45	178760	10.20	162399	12.18						
VL050628-4LCS	474053	7.45	167324	10.20	155954	12.18						

Shaded values exceed established area count limits.

LIMS Version: 5.199A

Upper Limit = + 100 percent of internal standard area.
Lower Limit = - 50 percent of internal standard area.

Supporting Raw Data

GCMS Volatile Instrument Run Log - HPV4
Paragon Analytics, Inc.

Sequence Name: C:\MSDCHEM\1\SEQUENCE\060705.S
Comment: HPV4 - 5mL heated purge - Serial Number US10451306
Data Path: C:\MSDchem\1\DATA\060705\
Operator:TWK SOP525r10 Analysis Date: 06/07/05 mc
Istd\Surr (Amount & ID): (.164µL) ST050604-2\(1.154µL)* ST050607-3 Cal\Gas Std ID's: ST050604-1 06-9 mc 6/8/05 \ST050607-1
Logbook Number: 2892 purge time: 7 min. desorb time & temp.: 1 min. @ 250°C
* for files D09899-D09913

Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?	HS?	Comment
1	D09881	060705S	BLANK	1	5.0mL	NO	NA	NA	
2	D09882	060705S	BLANK			NO			
100	D09883	BFB5ML	BFB-TUNE1		1µL	YES			ST050520-4 (M/z) ~~(injection @ 07:04)~~ → NOT USED mc 6/8/05
100	D09884	BFB5ML	BFB-TUNE1		1µL	NO			(injection @ 07:04)
3	D09885	060705S	BLANK		5.0mL	NO			Surrogates for Calibration → ST050602-1
4	D09886	060705S	ICALVL_2.5_CSTD			YES			0.25µL of Surr, CAL & GAS NOT USED
5	D09887	060705S	ICALVL_5_CSTD			YES			0.5µL – NOT USED
6	D09888	060705S	ICALVL_20_CSTD			NO			2µL –
7	D09889	060705S	ICALVL_50_CSTD						5µL –
8	D09890	060705S	ICALVL_100_CSTD						10µL –
9	D09891	060705S	ICALVL_200_CSTD						20µL –
10	D09892	060705S	BLANK						NA
11	D09893	060705S	BLANK						NA
12	D09894	060705S	BLANK						NA
13	D09895	060705S	ICALVL_2~~5~~ CSTD mc 6/8/05					6/8/05 N	0.20 ~~0.25µL~~ – ~~NOT USED~~ mc 6/8/05
14	D09896	060705S	ICALVL_5_CSTD						0.5µL –
15	D09897	060705S	VL050607-4ICV						ST050606-1/ST050607-2 (5µL-each)
16	D09898	060705S	BLANK		5.0mL				
17	D09899	060705S	VL050607-4LCS		5.0g (sand)				ST050606-1/ST050607-2 (2µL-each)
18	D09900	060705S	VL050607-4LCSD						
19	D09901	060705S	VL050607-4MB						$MeCl_2$ @ 5.6ppb - All other targets <MDL
20	D09902	060705S	0505230-4		5.0g				
21	D09903	060705S	0505230-1						
22	D09904	060705S	0505230-2						
23	D09905	060705S	0505230-3						
24	D09906	060705S	0505220-4		5.22g				
25	D09907	060705S	0506010-8		5.52g				
26	D09908	060705S	0506010-9		5.11g				
27	D09909	060705S	0506010-11		5.59g				
28	D09910	060705S	0506010-12		5.34g				

GCMS Volatile Instrument Run Log - HPV4
Paragon Analytics, Inc.

Sequence Name: C:\MSDCHEM\1\SEQUENCE\060705.S
Comment: HPV4 - 5mL heated purge - Serial Number US10451306
Data Path: C:\MSDchem\1\DATA\060705\
Operator:TWK SOP525r10 Analysis Date: 06/07/05 m
Istd\Surr (Amount & ID): (1.164µL) ST050604-2 \ (1.154µL) ST050607-3 Cal\Gas Std ID's: NA \ NA
Logbook Number: 2892

Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?	HS?	Comment
29	D09911	060705S	0506010-10	1	5.45g	NO	NA	NA	
30	D09912	060705S	0506010-10MS	↓	5.56g	↓	↓	↓	ST050606-1/ST050607-2 (2µL each)
31	D09913	060705S	0506010-10MSD	↓	5.60g	↓	↓	↓	↓ ↓ ↓

(injection @ 17:17)

50

Last Modified: Tue Jun 07 14:56:47 2005 Balance 6 Page:111

GCMS Volatile Instrument Run Log - HPV4
Paragon Analytics, Inc.

Sequence Name: C:\MSDCHEM\1\SEQUENCE\062705.S
Comment: HPV4 - 5mL heated purge - Serial Number US10451306
Data Path: C:\MSDchem\1\DATA\062705\
Operator: TWK SOP525r10 Analysis Date: 06/27/05 m
Istd\Surr (Amount & ID): (1.164µL) ST050627-1 \ (1.154µL) ST050607-3 Cal\Gas Std ID's: ST050627-2 \ ST050624-1
Logbook Number: 2892 purge time: 7 min. desorb time & temp.: 1 min. @ 250° C

Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?	HS?	Comment
1	D10165	060705S	blank	1	5.0mL	NO	NA	NA	
2	D10166	060705S	blank						
3	D10167	060705S	blank						
100	D10168	BFB5ML	BFB-TUNE1		1µL	YES			ST050520-4 6/28/05 NOT USED
4	D10169	060705S	VL050627-4CCV		5.0mL				OLD "CAL" ST050606-9 NOT USED
5	D10170	060705S	BLANK			NO			
4	D10171	060705S	VL050627-4CCV			YES			OLD "CAL" ST050606-9 NOT USED
5	D10172	060705S	BLANK			NO			remake calibration standard @ this point
100	D10173	BFB5ML	BFB-TUNE1		1µL				ST050520-4 6/28/05 (injection @ 12:29)
4	D10174	060705S	VL050627-4CCV		5.0mL				CAL&GAS (10µL-each)
5	D10175	060705S	BLANK						All targets <MDL
6	D10176	060705S	VL050627-4LCS						ST050606-1/ST050627-3 (5µL-each)
7	D10177	060705S	VL050627-4LCSD						
8	D10178	060705S	VL050627-4MB						All targets <MDL NOT USED (extra MB)
9	D10179	060705S	VL050627-4MB						All targets <MDL
10	D10180	060705S	0506149-1				YES	YES=pea	
11	D10181	060705S	0506149-~~2~~9 CX 06-30-05					YES=pea	
12	D10182	060705S	0506183-2					YES>pea	
13	D10183	060705S	0506217-10 500X	500	10µL	YES	NO/NA*	YES>pea	overdiluted — NOT USED
14	D10184	060705S	0506217-11 500X	500	10µL			NO	overdiluted - NOT USED
15	D10185	060705S	0506217-10 50X	50	100µL			YES>pea	overdiluted - NOT USED (See D10209)
16	D10186	060705S	BLANK	1	5.0mL			NA	
17	D10187	060705S	BLANK	1		NO		NA	All targets <MDL
18	D10188	060705S	0506217-11 10X	10	500µL	YES		NO	(Report this & D10212) RR for lower RL's
19	D10189	060705S	0506217-11MS 10X			NO			ST050606-1/ST050627-3 (5µL-each)
20	D10190	060705S	0506217-11MSD 10X						
21	D10191	060705S	BLANK	1	5.0mL			NA	(injection @ 18:31)
23	D10192	060705S	BLANK	1				NA	

*= not preserved

51

GCMS Volatile Instrument Run Log - HPV4
Paragon Analytics, Inc.

Sequence Name: C:\MSDCHEM\1\SEQUENCE\062805.S
Comment: HPV4 - 5mL heated purge - Serial Number US10451306
Data Path: C:\MSDchem\1\DATA\062805\
Operator:TWK SOP525r10 Analysis Date: 06/28/05 m
Istd\Surr (Amount & ID): (1.164µL) ST050627-1 \ (1.154µL) ST050607-3 Cal\Gas Std ID's: ST050627-2 \ ST050624-1
Logbook Number: 2892 purge time: 7 min. desorb time & temp.: 1 min. @ 250° C

Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?	HS?	Comment
1	D10193	060705S	blank	1	5.0mL	NO	NA	NA	"memory effects" from 0506217 (6/27/05) Istds↑
2	D10194	060705S	blank						
100	D10195	BFB5ML	BFB-TUNE1		1µL	YES			ST050520-4 NOT USED
100	D10196	BFB5ML	BFB-TUNE1						
100	D10197	BFB5ML	BFB-TUNE1						
3	D10198	060705S	BLANK		5.0mL	NO			
4	D10199	060705S	BLANK			NO			
100	D10200	BFB5ML	BFB-TUNE1		1µL	YES			ST050628-3
100	D10201	BFB5ML	BFB-TUNE1		1µL	NO			ST050520-4 (injection @ 11:23)
5	D10202	060705S	VL050628-4CCV		5.0mL				CAL&GAS (10µL-each)
6	D10203	060705S	VL050628-4LCS						ST050606-1/ST050627-3 (5µL-each)
7	D10204	060705S	VL050628-4LCSD						
8	D10205	060705S	VL050628-4MB						$MeCl_2$ @ 8.9ppb - All other targets <MDL
9	D10206	060705S	0506217-11			YES	NO/NA*	NO	NOT USED surrogate T28 ↓
10	D10207	060705S	BLANK			NO	NA	NA	
11	D10208	060705S	BLANK				NA	NA	
12	D10209	060705S	0506217-10				NO/NA*	YES>pea	RR of D10185 - Report this
13	D10210	060705S	BLANK				NA	NA	
14	D10211	060705S	BLANK				NA	NA	$MeCl_2$ @ 10ppb - All other targets <MDL
15	D10212	060705S	0506217-11				NO/NA*	NO	RR of D10188 - Report Both (High targets)
16	D10213	060705S	BLANK				NA	NA	
18	D10214	060705S	BLANK				NA	NA	$MeCl_2$ @ 3.4ppb - All other targets <MDL
19	D10215	060705S	0506201-1				YES	YES>pea	
20	D10216	060705S	0506201-14					YES=pea	
21	D10217	060705S	0506201-15					NO	
22	D10218	060705S	0506202-1					YES<pea	
23	D10219	060705S	0506202-7					YES<pea	
24	D10220	060705S	0506203-1					YES>pea	
25	D10221	060705S	0506226-3					YES<pea	
26	D10222	060705S	0506226-5					YES<pea	

* not preserved

Last Modified: Tue Jun 28 16:04:00 2005 Balance 6 Page:126

GCMS Volatile Instrument Run Log - HPV4
Paragon Analytics, Inc.

Sequence Name: C:\MSDCHEM\1\SEQUENCE\062805.S
Comment: HPV4 - 5mL heated purge - Serial Number US10451306
Data Path: C:\MSDchem\1\DATA\062805\
Operator:TWK SOP525r10 Analysis Date: 06/28/05 m
Istd\Surr (Amount & ID): (1.64µL) ST050627-1 \ (1.154µL) ST050607-3 Cal\Gas Std ID's: NA \ NA
Logbook Number: 2892

Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?	HS?	Comment
27	D10223	060705S	Ref Blk (RU-20)	1	5.0mL	NO	NA	NO	
28	D10224	060705S	Ref Blk (RU-39)	↓	↓	↓	↓	↓	
29	D10225	060705S	Ref Blk (RU-40)	↓	↓	↓	↓	↓	(injection @ 19:46)

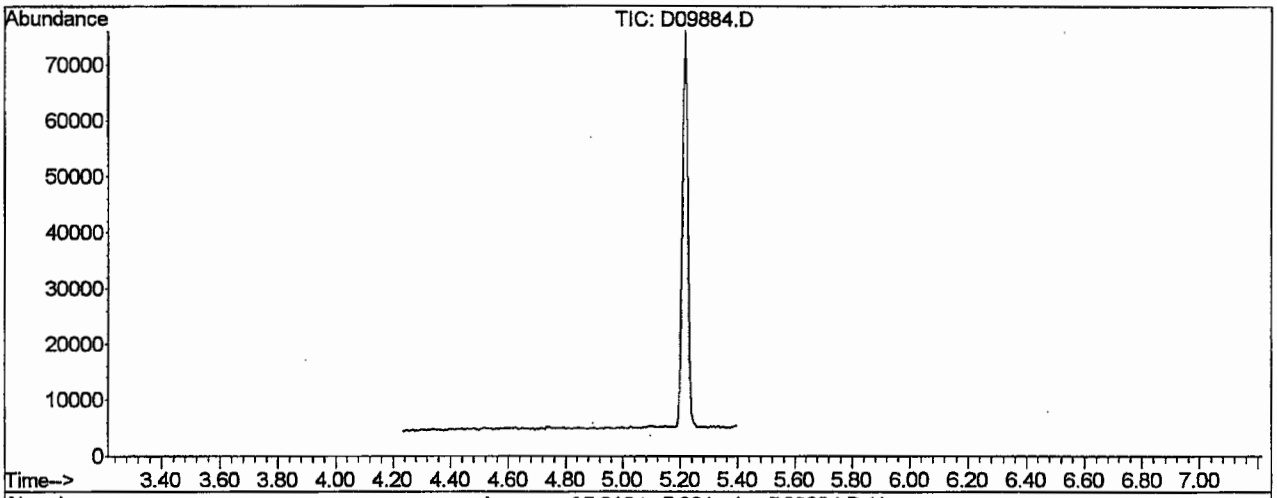
Matrix QC (MS/D) was performed on 0506217-11 (VL050627-4A). All other samples in this batch are TB's, RB's, etc.
m 6/29/05

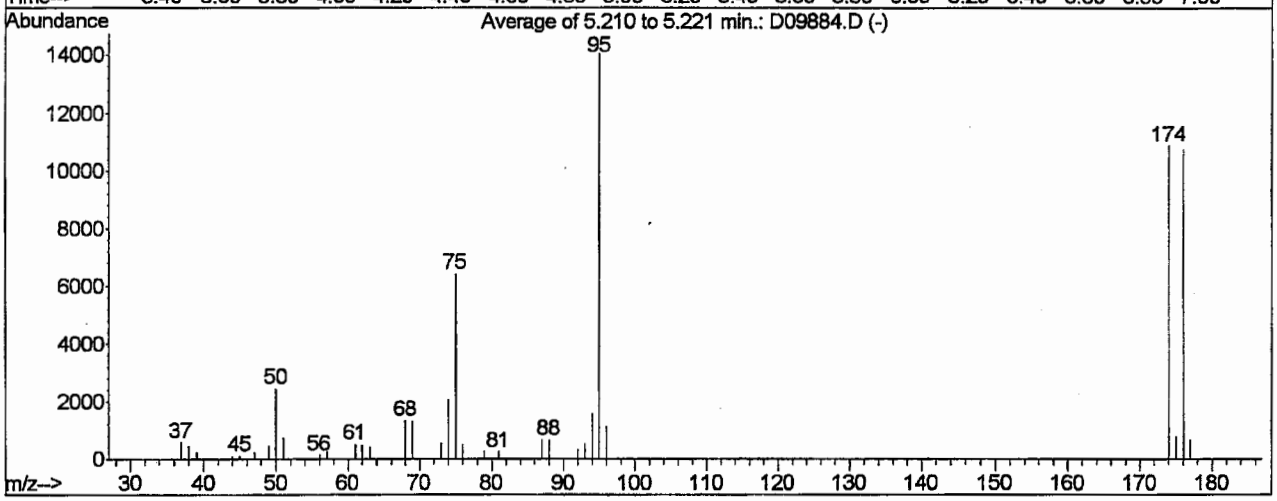
53

Calibration Raw Data

BFB

Data File : C:\MSDCHEM\1\DATA\060705\D09884.D Vial: 100
Acq On : 7 Jun 2005 7:04 Operator: TWK SOP525
Sample : BFB-TUNE1 Inst : HPV-4
Misc : 4-Bromofluorobenzene, 50ng, direct inj. Multiplr: 1.00
MS Integration Params: ETTICS.P
Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)





AutoFind: Scans 167, 168, 169; Background Corrected with Scan 162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	2450	PASS
75	95	30	60	45.6	6405	PASS
95	95	100	100	100.0	14031	PASS
96	95	5	9	8.0	1116	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.4	10859	PASS
175	174	5	9	7.2	779	PASS
176	174	95	101	98.6	10711	PASS
177	176	5	9	6.4	686	PASS

D09884.D 060705S.M Tue Jun 07 07:14:09 2005 HPV4 ae 6/7/05

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09888.D Vial: 6
Acq On : 7 Jun 2005 8:18 Operator: TWK SOP525r10
Sample : ICALVL_20_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:56:23 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:56:17 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	369823	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	136197	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.19	152	120726	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	33694	21.12 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 42.24%#		
29) 1,2-Dichloroethane-d4	7.21	65	31375	21.43 ppb	0.00
Spiked Amount 50.000			Recovery = 42.86%		
39) Toluene-d8	8.85	98	129330	21.86 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 43.72%#		
59) 4-Bromofluorobenzene	11.21	95	43901	21.59 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 43.18%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.26	85	62827	20.00 ppb	99
3) Chloromethane	3.51	50	49877	20.39 ppb	97
4) Vinyl chloride	3.63	62	54436	20.24 ppb	99
5) Bromomethane	4.01	96	28498	29.48 ppb	98
6) Chloroethane	4.09	64	27209	27.37 ppb	97
7) Trichlorofluoromethane	4.30	101	62777	21.91 ppb	99
8) 1,1,2-Trichloro-1,2,2-trif	4.72	101	45034	21.19 ppb	97
9) Acrolein	4.74	56	36520	19.03 ppb	99
10) 1,1-Dichloroethene	4.81	96	34675	19.36 ppb	98
11) Acetone	4.86	58	8388	20.63 ppb	96
12) Iodomethane	5.02	142	49219	18.97 ppb	99
13) Carbon disulfide	5.09	76	125397	20.15 ppb	99
14) Methylene chloride	5.27	84	33798	19.37 ppb	97
15) Methyl-t-butyl ether	5.39	73	87426	18.56 ppb	98
16) trans-1,2-Dichloroethene	5.47	96	37337	19.00 ppb	98
17) Acrylonitrile	5.52	53	75728	19.66 ppb	100
18) Vinyl acetate	5.83	43	54140	17.88 ppb	99
19) 1,1-Dichloroethane	5.89	63	63151	19.55 ppb	99
20) 2-Butanone	6.40	43	45178	19.04 ppb	97
21) 2,2-Dichloropropane	6.42	77	55595	18.95 ppb	100
22) cis-1,2-Dichloroethene	6.43	96	38921	19.10 ppb	98
23) Bromochloromethane	6.67	128	16083	18.93 ppb	99
24) Chloroform	6.68	83	61374	19.47 ppb	99
26) 1,1,1-Trichloroethane	6.87	97	57664	19.03 ppb	99
27) Carbon Tetrachloride	7.00	117	46818	18.50 ppb	99
28) 1,1-Dichloropropene	7.01	75	53449	19.62 ppb	99
30) Benzene	7.21	78	152190	20.35 ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09888.D Vial: 6
Acq On : 7 Jun 2005 8:18 Operator: TWK SOP525r10
Sample : ICALVL_20_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:56:23 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:56:17 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) 1,2-Dichloroethane	7.27	62	36304	19.59 ppb	100
32) Trichloroethene	7.77	95	40173	18.32 ppb	98
33) 1,2-Dichloropropane	8.03	63	36685	18.77 ppb	98
34) Dibromomethane	8.16	93	17619	18.31 ppb	99
35) Bromodichloromethane	8.25	83	40361	18.09 ppb	97
36) 2-Chloroethyl vinyl ether	8.45	63	14349	17.06 ppb	98
37) cis-1,3-Dichloropropene	8.64	75	53990	17.66 ppb	99
38) 4-Methyl-2-pentanone	8.72	43	94420	19.56 ppb	97
40) Toluene	8.92	91	154276	20.58 ppb	99
41) trans-1,3-Dichloropropene	9.14	75	42182	26.46 ppb	94
42) 1,1,2-Trichloroethane	9.33	83	21970	18.50 ppb	99
43) Tetrachloroethene	9.41	164	31004	18.42 ppb	99
44) 2-Hexanone	9.46	43	63136	18.81 ppb	100
45) 1,3-Dichloropropane	9.50	76	44203	19.41 ppb	99
46) Dibromochloromethane	9.69	129	26315	17.26 ppb	99
47) 1,2-Dibromoethane	9.85	107	23835	18.19 ppb	99
49) 1-Chlorohexane	10.10	91	52601	18.56 ppb	97
50) Chlorobenzene	10.22	112	92391	19.26 ppb	99
51) Ethylbenzene	10.25	91	165048	20.61 ppb	97
52) 1,1,1,2-Tetrachloroethane	10.28	131	28113	18.50 ppb	98
53) m,p-Xylene	10.35	106	125732	20.02 ppb	95
54) o-Xylene	10.71	106	60614	18.39 ppb	96
55) Styrene	10.73	104	99152	18.80 ppb	100
56) Bromoform	10.97	173	14531	16.10 ppb	100
57) Isopropylbenzene	11.00	105	164600	20.27 ppb	98
60) 1,1,2,2-Tetrachloroethane	11.31	83	26122	18.74 ppb	98
61) n-Propylbenzene	11.35	91	201360	21.30 ppb	98
62) Bromobenzene	11.37	156	35728	19.13 ppb	98
63) 1,2,3-Trichloropropane	11.39	110	8121	19.57 ppb	92
64) 1,3,5-Trimethylbenzene	11.48	105	134939	20.36 ppb	99
65) 2-Chlorotoluene	11.49	91	124295	20.78 ppb	98
66) 4-Chlorotoluene	11.59	91	110184	20.46 ppb	98
67) tert-Butylbenzene	11.76	119	115673	19.87 ppb	99
68) 1,2,4-Trimethylbenzene	11.82	105	125935	20.00 ppb	100
69) sec-Butylbenzene	11.95	105	173454	20.72 ppb	99
70) p-Isopropyltoluene	12.04	119	146343	20.28 ppb	99
71) 1,3-Dichlorobenzene	12.13	146	69663	18.74 ppb	98
72) 1,4-Dichlorobenzene	12.21	146	72306	18.98 ppb	98
73) n-Butylbenzene	12.39	91	133861	19.58 ppb	99
74) 1,2-Dichlorobenzene	12.55	146	60010	18.07 ppb	97
75) 1,2-Dibromo-3-chloropropan	13.25	75	4619	15.33 ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09888.D Vial: 6
Acq On : 7 Jun 2005 8:18 Operator: TWK SOP525r10
Sample : ICALVL_20_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:56:23 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:56:17 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

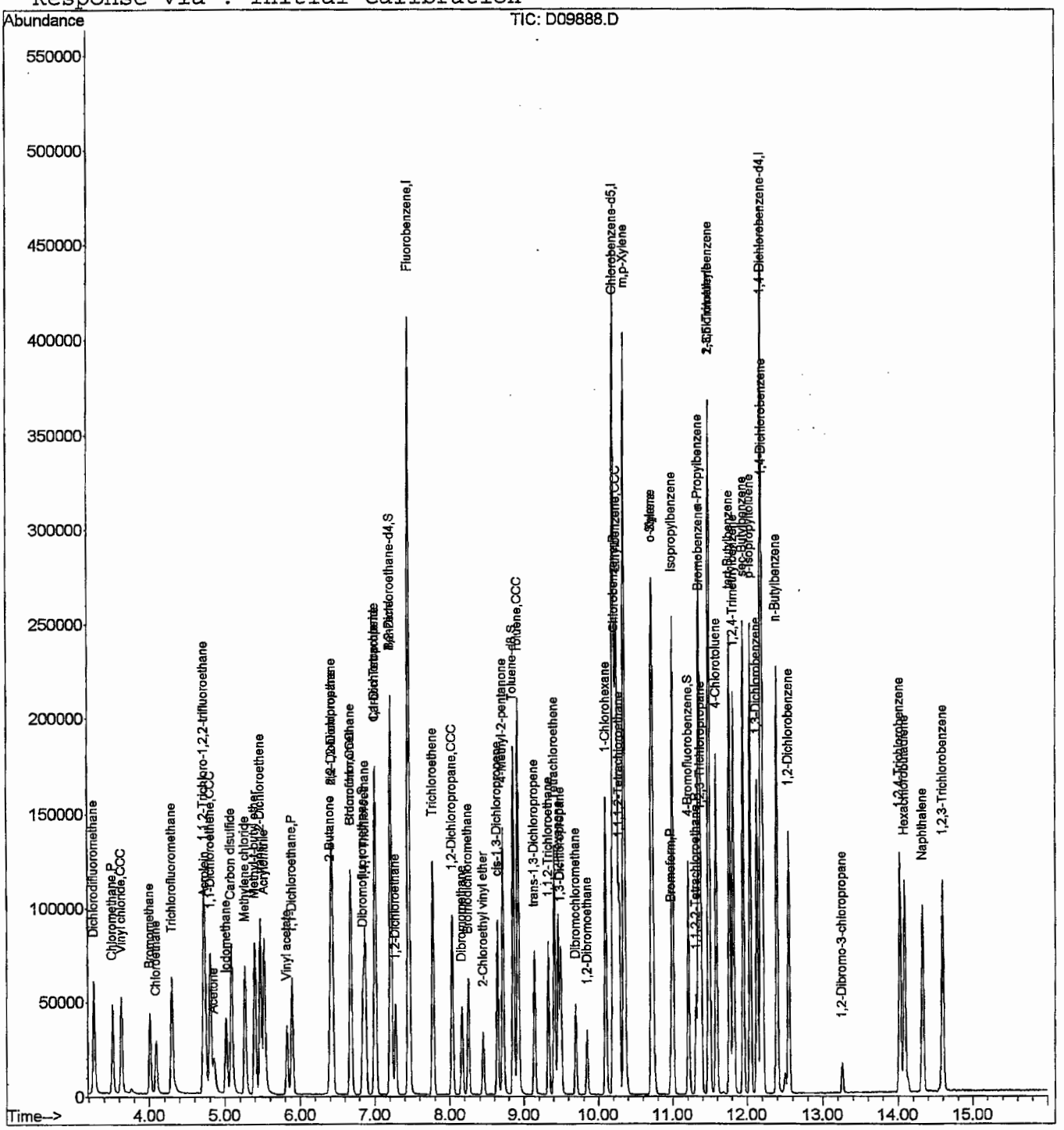
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76) 1,2,4-Trichlorobenzene	14.02	180	47728	16.62 ppb	100
77) Hexachlorobutadiene	14.09	225	26846	16.45 ppb	97
78) Naphthalene	14.32	128	95471	17.35 ppb	100
79) 1,2,3-Trichlorobenzene	14.59	180	45376	17.55 ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09888.D Vial: 6
Acq On : 7 Jun 2005 8:18 Operator: TWK SOP525r1
Sample : ICALVL_20_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 7 9:56 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:40:24 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09889.D Vial: 7
Acq On : 7 Jun 2005 8:39 Operator: TWK SOP525r10
Sample : ICALVL_50_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:56:10 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:56:04 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	7.45	96	364409	50.00	ppb	0.00
48) Chlorobenzene-d5	10.20	82	136740	50.00	ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.19	152	121598	50.00	ppb	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	6.84	113	80656	52.00	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 104.00%			
29) 1,2-Dichloroethane-d4	7.21	65	75194	53.25	ppb	0.00
Spiked Amount 50.000			Recovery = 106.50%			
39) Toluene-d8	8.85	98	310334	55.01	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 110.02%			
59) 4-Bromofluorobenzene	11.21	95	106657	53.17	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.26	85	156028	50.62	ppb	100
3) Chloromethane	3.51	50	121884	50.85	ppb	100
4) Vinyl chloride	3.63	62	135239	51.55	ppb	100
5) Bromomethane	4.01	96	68214	91.36	ppb	100
6) Chloroethane	4.09	64	62802	74.66	ppb	100
7) Trichlorofluoromethane	4.30	101	150613	55.19	ppb	100
8) 1,1,2-Trichloro-1,2,2-trif	4.72	101	107541	52.07	ppb	100
9) Acrolein	4.74	56	97763	52.60	ppb	100
10) 1,1-Dichloroethene	4.81	96	89956	51.49	ppb	100
11) Acetone	4.86	58	20418	51.45	ppb	100
12) Iodomethane	5.02	142	128975	50.67	ppb	100
13) Carbon disulfide	5.08	76	316799	52.54	ppb	100
14) Methylene chloride	5.27	84	86892	50.79	ppb	100
15) Methyl-t-butyl ether	5.39	73	234346	50.73	ppb	100
16) trans-1,2-Dichloroethene	5.47	96	97213	50.31	ppb	100
17) Acrylonitrile	5.52	53	195046	52.10	ppb	100
18) Vinyl acetate	5.83	43	149506	50.16	ppb	100
19) 1,1-Dichloroethane	5.89	63	163273	51.96	ppb	100
20) 2-Butanone	6.39	43	117498	50.39	ppb	100
21) 2,2-Dichloropropane	6.42	77	145179	50.32	ppb	100
22) cis-1,2-Dichloroethene	6.43	96	101357	50.72	ppb	100
23) Bromochloromethane	6.67	128	41645	49.64	ppb	100
24) Chloroform	6.68	83	158872	51.73	ppb	100
26) 1,1,1-Trichloroethane	6.87	97	151494	51.11	ppb	100
27) Carbon Tetrachloride	7.00	117	123614	49.38	ppb	100
28) 1,1-Dichloropropene	7.01	75	136745	51.44	ppb	100
30) Benzene	7.21	78	384386	53.33	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09889.D Vial: 7
Acq On : 7 Jun 2005 8:39 Operator: TWK SOP525r10
Sample : ICALVL_50_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:56:10 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:56:04 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	1,2-Dichloroethane	7.27	62	94053	52.29 ppb	100
32)	Trichloroethene	7.77	95	107432	49.59 ppb	100
33)	1,2-Dichloropropane	8.03	63	96762	50.35 ppb	100
34)	Dibromomethane	8.16	93	47190	49.64 ppb	100
35)	Bromodichloromethane	8.25	83	110547	50.43 ppb	100
36)	2-Chloroethyl vinyl ether	8.45	63	40478	48.26 ppb	100
37)	cis-1,3-Dichloropropene	8.64	75	150486	49.92 ppb	100
38)	4-Methyl-2-pentanone	8.72	43	251031	54.28 ppb	100
40)	Toluene	8.92	91	392563	54.86 ppb	100
41)	trans-1,3-Dichloropropene	9.14	75	116866m	49.77 ppb	
42)	1,1,2-Trichloroethane	9.33	83	59214	50.91 ppb	100
43)	Tetrachloroethene	9.41	164	82554	49.66 ppb	100
44)	2-Hexanone	9.46	43	172157	53.16 ppb	100
45)	1,3-Dichloropropane	9.49	76	115555	52.26 ppb	100
46)	Dibromochloromethane	9.69	129	74181	49.07 ppb	100
47)	1,2-Dibromoethane	9.84	107	65059	50.59 ppb	100
49)	1-Chlorohexane	10.10	91	142064	49.88 ppb	100
50)	Chlorobenzene	10.22	112	245396	51.44 ppb	100
51)	Ethylbenzene	10.25	91	426525	54.70 ppb	100
52)	1,1,1,2-Tetrachloroethane	10.28	131	76040	49.77 ppb	100
53)	m,p-Xylene	10.35	106	329104	53.36 ppb	100
54)	o-Xylene	10.71	106	166509	50.49 ppb	100
55)	Styrene	10.73	104	272913	52.34 ppb	100
56)	Bromoform	10.97	173	42985	46.25 ppb	100
57)	Isopropylbenzene	11.00	105	429450	54.11 ppb	100
60)	1,1,2,2-Tetrachloroethane	11.31	83	72026	51.96 ppb	100
61)	n-Propylbenzene	11.35	91	523491	57.86 ppb	100
62)	Bromobenzene	11.37	156	95808	51.39 ppb	100
63)	1,2,3-Trichloropropane	11.39	110	21606	52.59 ppb	100
64)	1,3,5-Trimethylbenzene	11.48	105	354047	54.68 ppb	100
65)	2-Chlorotoluene	11.49	91	322168	55.42 ppb	100
66)	4-Chlorotoluene	11.59	91	283851	53.56 ppb	100
67)	tert-Butylbenzene	11.76	119	305597	53.23 ppb	100
68)	1,2,4-Trimethylbenzene	11.82	105	330025	53.10 ppb	100
69)	sec-Butylbenzene	11.95	105	445884	54.47 ppb	100
70)	p-Isopropyltoluene	12.04	119	380360	53.60 ppb	100
71)	1,3-Dichlorobenzene	12.13	146	188770	50.64 ppb	100
72)	1,4-Dichlorobenzene	12.21	146	192243	50.16 ppb	100
73)	n-Butylbenzene	12.39	91	349704	51.17 ppb	100
74)	1,2-Dichlorobenzene	12.55	146	166071	49.49 ppb	100
75)	1,2-Dibromo-3-chloropropan	13.25	75	14043	44.62 ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09889.D Vial: 7
Acq On : 7 Jun 2005 8:39 Operator: TWK SOP525r10
Sample : ICALVL_50_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:56:10 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:56:04 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

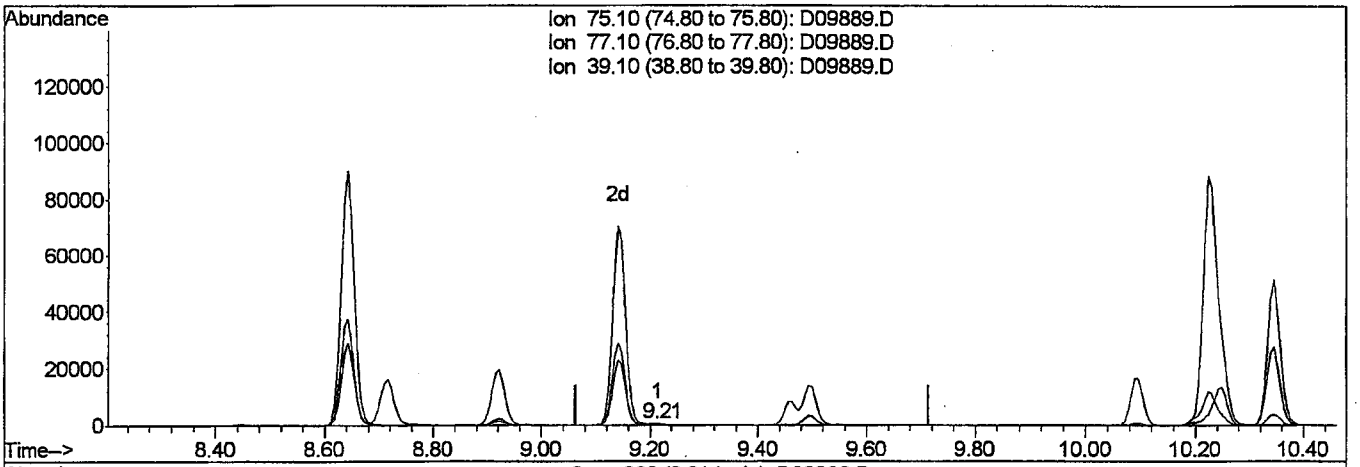
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76) 1,2,4-Trichlorobenzene	14.02	180	137190	46.24 ppb	100
77) Hexachlorobutadiene	14.09	225	73023	42.07 ppb	100
78) Naphthalene	14.32	128	278087	50.24 ppb	100
79) 1,2,3-Trichlorobenzene	14.59	180	127208	48.28 ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\060705\D09889.D Vial: 7
Acq On : 7 Jun 2005 8:39 Operator: TWK SOP525r10
Sample : ICALVL_50_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 7 9:56 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 10:02:26 2005
Response via : Multiple Level Calibration



TIC: D09889.D

(41) trans-1,3-Dichloropropene

9.21min 0.36ppb

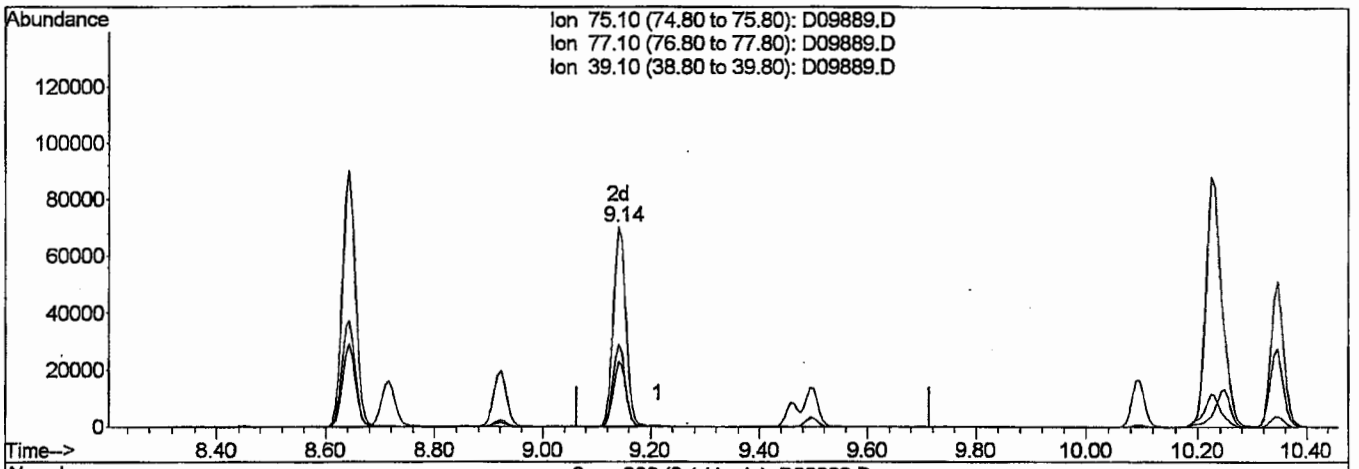
response 854

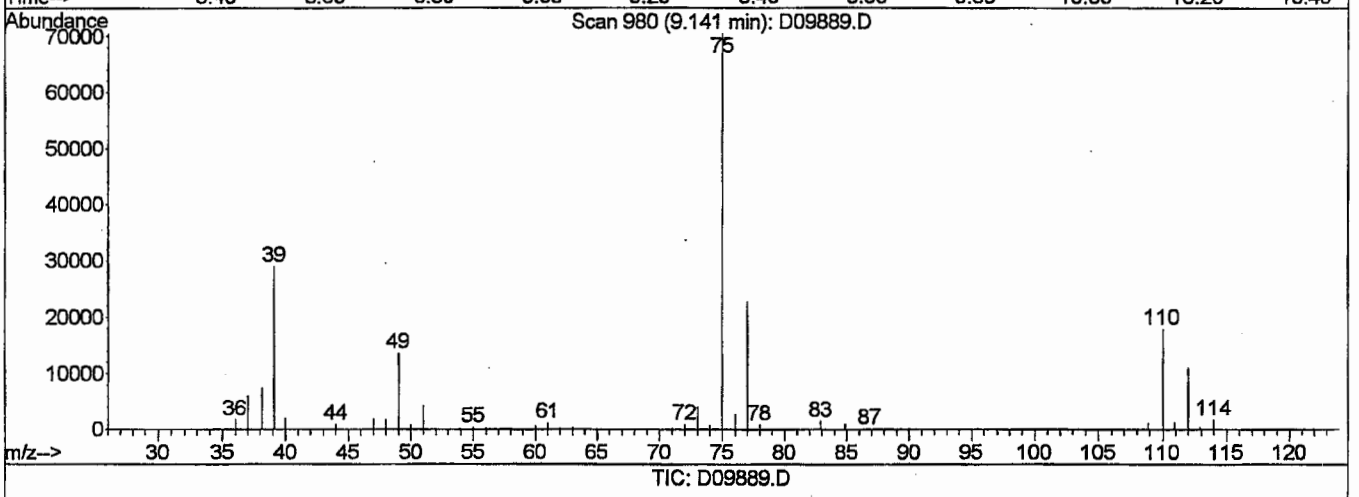
Ion	Exp%	Act%
75.10	100	100
77.10	31.10	31.10
39.10	49.10	49.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\060705\D09889.D Vial: 7
Acq On : 7 Jun 2005 8:39 Operator: TWK SOP525r10
Sample : ICALVL_50_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 7 10:04 2005 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 10:02:26 2005
Response via : Multiple Level Calibration





TIC: D09889.D

(41) trans-1,3-Dichloropropene

9.14min 49.77ppb m

response 116866

Ion	Exp%	Act%
75.10	100	100
77.10	31.10	32.44
39.10	49.10	41.13
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- [x] missed peak assignment
- [ ] assigned incorrect name to peak
- [ ] over-integrated peak's area
- [ ] under-integrated peak's area
- [ ] other _____

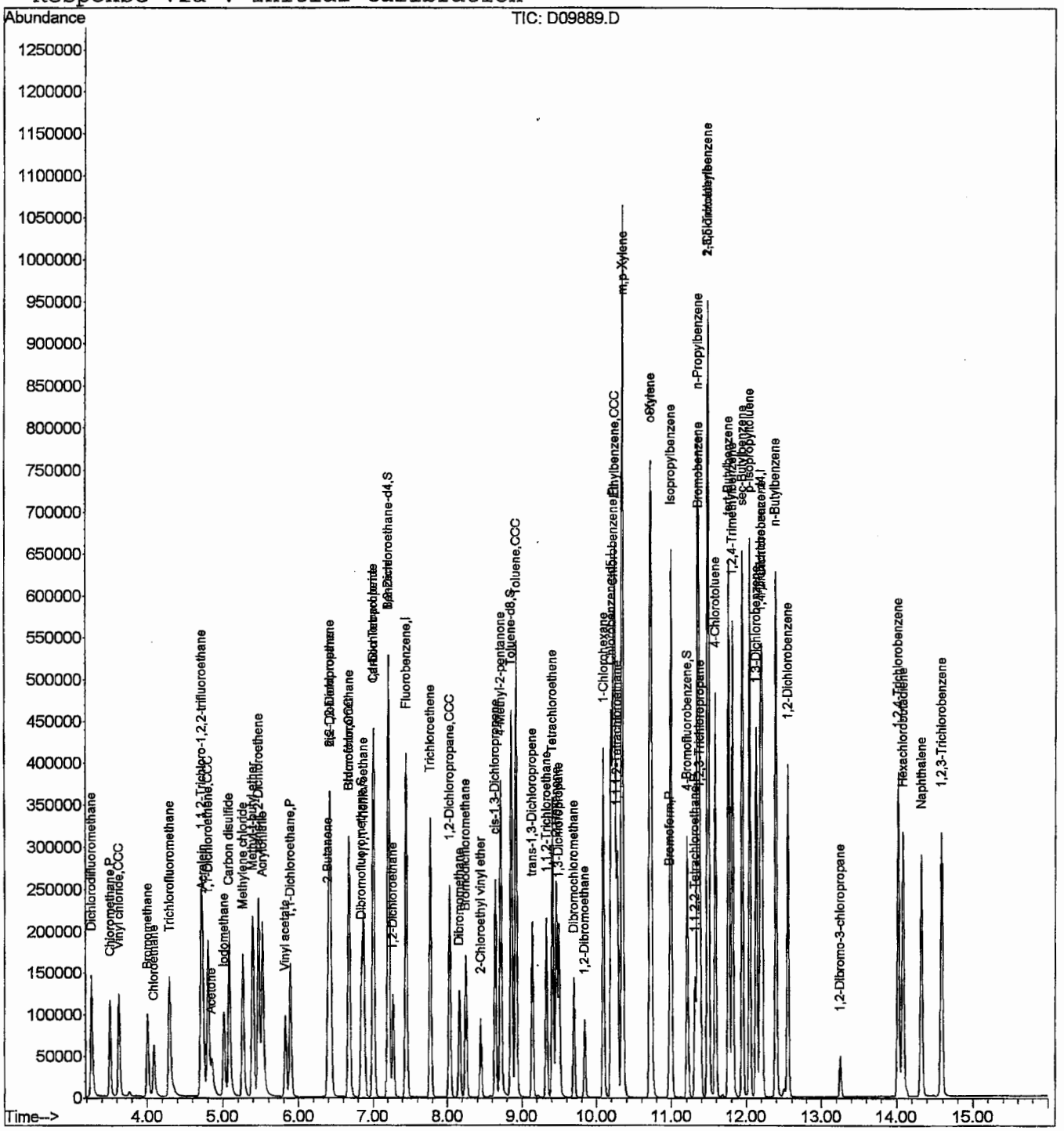
initials AM *date* 6/7/05

D09889.D 060705S.M Tue Jun 07 10:04:12 2005 HPV4

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09889.D Vial: 7
Acq On : 7 Jun 2005 8:39 Operator: TWK SOP525r1
Sample : ICALVL_50_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 7 10:04 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:40:24 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

data not affected

Data File : C:\MSDCHEM\1\DATA\060705\SNAPSHOT\D09890.D Vial: 8
Acq On : 7 Jun 2005 9:00 Operator: TWK SOP525r10
Sample : ICALVL_100_CSTD unknown instrument software anomaly Inst : HPV-4
Misc : 5mL heated water, 1st source saves full run as snapshot Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:55:44 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:55:35 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	357178	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	135058	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.19	152	120493	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	152910	101.18 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 202.36%#		
29) 1,2-Dichloroethane-d4	7.20	65	141239	104.18 ppb	0.00
Spiked Amount 50.000			Recovery = 208.36%		
39) Toluene-d8	8.86	98	577014	109.09 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 218.18%#		
59) 4-Bromofluorobenzene	11.21	95	203834	105.24 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 210.48%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.26	85	310488	105.70 ppb	99
3) Chloromethane	3.51	50	241193	105.47 ppb	100
4) Vinyl chloride	3.63	62	265025	106.33 ppb	98
5) Bromomethane	4.00	96	108869	290.30 ppb	95
6) Chloroethane	4.09	64	102136	162.72 ppb	98
7) Trichlorofluoromethane	4.29	101	278913	108.92 ppb	99
8) 1,1,2-Trichloro-1,2,2-trif	4.71	101	208594	106.27 ppb	99
9) Acrolein	4.74	56	187143	105.61 ppb	100
10) 1,1-Dichloroethene	4.80	96	175345	104.91 ppb	99
11) Acetone	4.86	58	39527	103.31 ppb	98
12) Iodomethane	5.01	142	253842	103.54 ppb	99
13) Carbon disulfide	5.08	76	613994	108.11 ppb	99
14) Methylene chloride	5.27	84	169561	102.28 ppb	99
15) Methyl-t-butyl ether	5.39	73	458819	102.69 ppb	99
16) trans-1,2-Dichloroethene	5.47	96	190059	100.71 ppb	100
17) Acrylonitrile	5.52	53	378366	106.41 ppb	99
18) Vinyl acetate	5.82	43	296303	102.87 ppb	100
19) 1,1-Dichloroethane	5.89	63	315506	104.98 ppb	100
20) 2-Butanone	6.39	43	238229	108.85 ppb	98
21) 2,2-Dichloropropane	6.41	77	289674	104.99 ppb	99
22) cis-1,2-Dichloroethene	6.43	96	198918	103.15 ppb	100
23) Bromochloromethane	6.67	128	82133	99.75 ppb	98
24) Chloroform	6.68	83	307360	104.29 ppb	99
26) 1,1,1-Trichloroethane	6.87	97	296130	103.95 ppb	100
27) Carbon Tetrachloride	7.00	117	246688	101.08 ppb	99
28) 1,1-Dichloropropene	7.01	75	266678	104.83 ppb	98
30) Benzene	7.21	78	739646	109.86 ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\SNAPSHOT\D09890.D Vial: 8
Acq On : 7 Jun 2005 9:00 Operator: TWK SOP525r10
Sample : ICALVL_100_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:55:44 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:55:35 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31)	1,2-Dichloroethane	7.27	62	179335	103.52	ppb		100
32)	Trichloroethene	7.77	95	214331	101.88	ppb		99
33)	1,2-Dichloropropane	8.03	63	192313	104.28	ppb		100
34)	Dibromomethane	8.16	93	93779	101.32	ppb		99
35)	Bromodichloromethane	8.25	83	219719	104.63	ppb		98
36)	2-Chloroethyl vinyl ether	8.45	63	83093	102.19	ppb		99
37)	cis-1,3-Dichloropropene	8.64	75	302323	104.73	ppb	#	92
38)	4-Methyl-2-pentanone	8.72	43	480924	112.98	ppb		98
40)	Toluene	8.92	91	739912	111.61	ppb		99
41)	trans-1,3-Dichloropropene	9.14	75	234992	104.30	ppb		92
42)	1,1,2-Trichloroethane	9.33	83	116598	104.67	ppb		100
43)	Tetrachloroethene	9.41	164	163921	101.22	ppb		100
44)	2-Hexanone	9.46	43	335857	112.35	ppb		98
45)	1,3-Dichloropropane	9.49	76	224010	106.94	ppb		99
46)	Dibromochloromethane	9.69	129	149558	101.88	ppb		100
47)	1,2-Dibromoethane	9.84	107	127693	102.64	ppb		100
49)	1-Chlorohexane	10.10	91	276146	96.38	ppb		100
50)	Chlorobenzene	10.22	112	475914	102.04	ppb		99
51)	Ethylbenzene	10.25	91	795796	106.90	ppb		97
52)	1,1,1,2-Tetrachloroethane	10.28	131	149340	97.96	ppb		99
53)	m,p-Xylene	10.35	106	624692	105.23	ppb		95
54)	o-Xylene	10.71	106	327087	100.85	ppb		98
55)	Styrene	10.73	104	526450	104.55	ppb		100
56)	Bromoform	10.97	173	88698	93.45	ppb		98
57)	Isopropylbenzene	11.00	105	808296	106.42	ppb		97
60)	1,1,2,2-Tetrachloroethane	11.31	83	140018	103.95	ppb		99
61)	n-Propylbenzene	11.35	91	963999	116.26	ppb		96
62)	Bromobenzene	11.37	156	188299	103.93	ppb		95
63)	1,2,3-Trichloropropane	11.39	110	41683	104.89	ppb		92
64)	1,3,5-Trimethylbenzene	11.48	105	663871	107.19	ppb		98
65)	2-Chlorotoluene	11.49	91	606047	110.98	ppb		97
66)	4-Chlorotoluene	11.59	91	545794	108.19	ppb		98
67)	tert-Butylbenzene	11.76	119	577280	102.99	ppb		98
68)	1,2,4-Trimethylbenzene	11.81	105	634507	106.25	ppb		99
69)	sec-Butylbenzene	11.95	105	828926	104.48	ppb		96
70)	p-Isopropyltoluene	12.04	119	706511	100.93	ppb		97
71)	1,3-Dichlorobenzene	12.13	146	368273	99.42	ppb		98
72)	1,4-Dichlorobenzene	12.21	146	380031	100.15	ppb		100
73)	n-Butylbenzene	12.39	91	669615	97.80	ppb		97
74)	1,2-Dichlorobenzene	12.55	146	327337	96.92	ppb		99
75)	1,2-Dibromo-3-chloropropan	13.25	75	29865	91.88	ppb		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\SNAPSHOT\D09890.D Vial: 8
Acq On : 7 Jun 2005 9:00 Operator: TWK SOP525r10
Sample : ICALVL_100_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:55:44 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:55:35 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

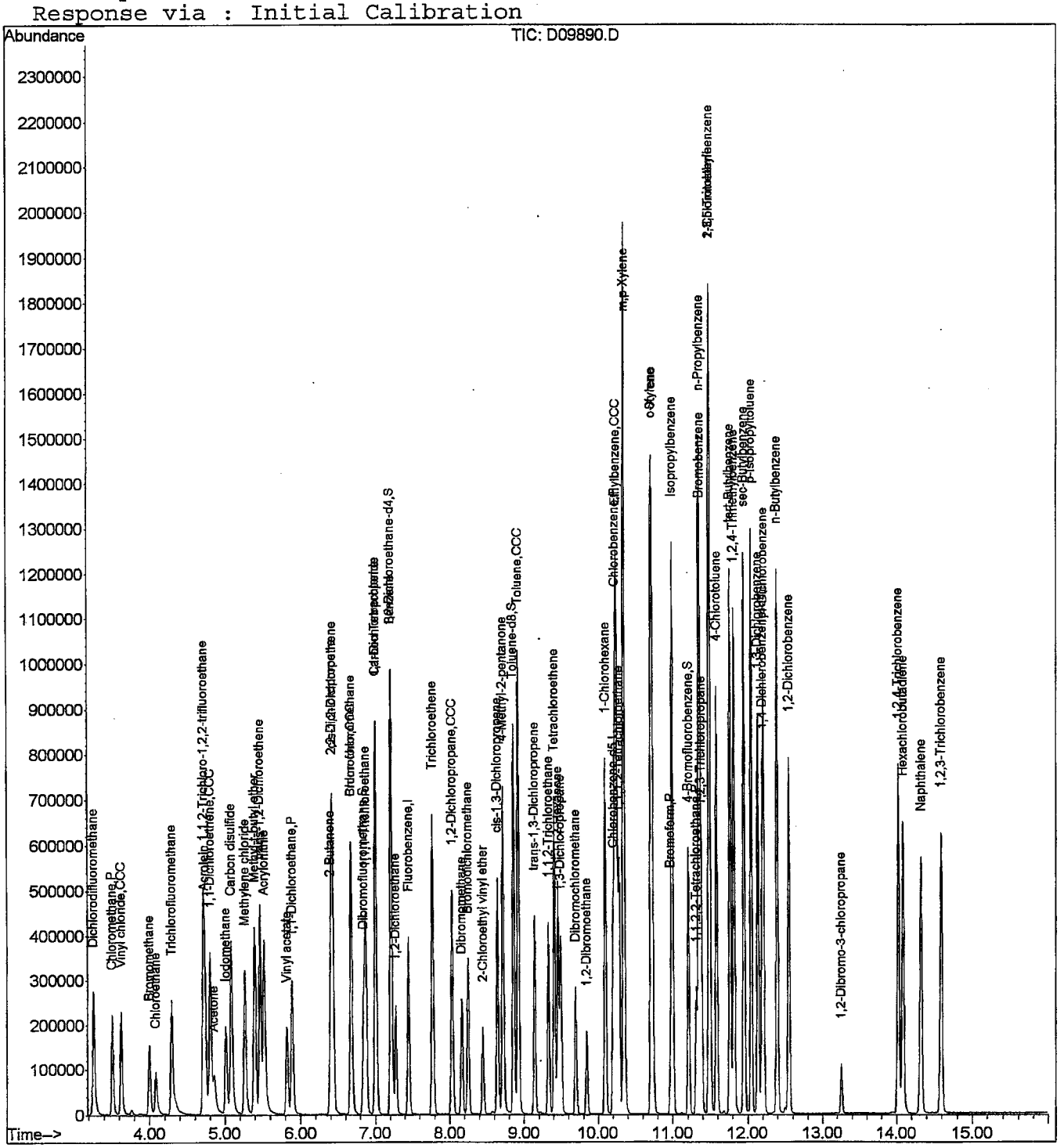
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
76)	1,2,4-Trichlorobenzene	14.02	180	281876	92.10	ppb	99
77)	Hexachlorobutadiene	14.09	225	155235	82.26	ppb	100
78)	Naphthalene	14.32	128	551072	100.95	ppb	100
79)	1,2,3-Trichlorobenzene	14.59	180	251196	92.71	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\SNAPSHOT\D09890.D Vial: 8
Acq On : 7 Jun 2005 9:00 Operator: TWK SOP525r1
Sample : ICALVL_100_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 7 9:55 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:40:24 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09891.D Vial: 9
Acq On : 7 Jun 2005 9:21 Operator: TWK SOP525r10
Sample : ICALVL_200_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:54:51 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:54:28 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	367043	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	130586	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.19	152	124904	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	310615	191.17 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	382.34%#	
29) 1,2-Dichloroethane-d4	7.20	65	278629	183.94 ppb	0.00
Spiked Amount 50.000			Recovery =	367.88%	
39) Toluene-d8	8.85	98	1087036	173.88 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery =	347.76%#	
59) 4-Bromofluorobenzene	11.21	95	401564	183.27 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	366.54%#	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.26	85	603713	192.07 ppb	98
3) Chloromethane	3.51	50	469990	191.42 ppb	99
4) Vinyl chloride	3.63	62	512264	188.03 ppb	99
5) Bromomethane	3.99	96	77077	56.09 ppb	97
6) Chloroethane	4.07	64	129007	101.97 ppb	99
7) Trichlorofluoromethane	4.29	101	526310	173.47 ppb	99
8) 1,1,2-Trichloro-1,2,2-trif	4.71	101	403424	186.22 ppb	97
9) Acrolein	4.74	56	364188	1849.24 ppb	99
10) 1,1-Dichloroethene	4.80	96	343498	189.56 ppb	99
11) Acetone	4.86	58	78636	764.73 ppb	99
12) Iodomethane	5.01	142	503876	193.94 ppb	99
13) Carbon disulfide	5.08	76	1167223	182.90 ppb	99
14) Methylene chloride	5.26	84	340730	194.66 ppb	97
15) Methyl-t-butyl ether	5.39	73	918253	194.51 ppb	99
16) trans-1,2-Dichloroethene	5.47	96	387871	198.06 ppb	95
17) Acrylonitrile	5.52	53	730807	1859.98 ppb	99
18) Vinyl acetate	5.82	43	591964	196.55 ppb	97
19) 1,1-Dichloroethane	5.89	63	617678	187.80 ppb	99
20) 2-Butanone	6.39	43	449814	760.16 ppb	96
21) 2,2-Dichloropropane	6.41	77	567066	193.90 ppb	98
22) cis-1,2-Dichloroethene	6.43	96	396336	194.11 ppb	95
23) Bromochloromethane	6.67	128	169224	201.72 ppb	89
24) Chloroform	6.68	83	605726	189.27 ppb	99
26) 1,1,1-Trichloroethane	6.87	97	585471	191.85 ppb	99
27) Carbon Tetrachloride	7.00	117	501593	201.43 ppb	99
28) 1,1-Dichloropropene	7.01	75	522852	189.81 ppb	95
30) Benzene	7.21	78	1383675	178.69 ppb	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09891.D Vial: 9
Acq On : 7 Jun 2005 9:21 Operator: TWK SOP525r10
Sample : ICALVL_200_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:54:51 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:54:28 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31)	1,2-Dichloroethane	7.27	62	356055	187.93 ppb		99
32)	Trichloroethene	7.77	95	432371	199.79 ppb		98
33)	1,2-Dichloropropane	8.03	63	379034	194.45 ppb		100
34)	Dibromomethane	8.16	93	190233	200.11 ppb		96
35)	Bromodichloromethane	8.25	83	431581	193.80 ppb		98
36)	2-Chloroethyl vinyl ether	8.45	63	167123	204.96 ppb		97
37)	cis-1,3-Dichloropropene	8.64	75	593291	195.71 ppb	#	92
38)	4-Methyl-2-pentanone	8.71	43	874870	692.02 ppb		93
40)	Toluene	8.92	91	1362507	172.29 ppb		95
41)	trans-1,3-Dichloropropene	9.14	75	463043	26915.70 ppb		91
42)	1,1,2-Trichloroethane	9.33	83	228938	191.93 ppb		98
43)	Tetrachloroethene	9.41	164	332825	200.13 ppb		98
44)	2-Hexanone	9.46	43	614383	708.63 ppb		95
45)	1,3-Dichloropropane	9.49	76	430505	184.94 ppb		99
46)	Dibromochloromethane	9.69	129	301700	201.89 ppb		99
47)	1,2-Dibromoethane	9.84	107	255683	195.09 ppb		99
49)	1-Chlorohexane	10.10	91	554037	204.18 ppb		97
50)	Chlorobenzene	10.22	112	901923	192.43 ppb		95
51)	Ethylbenzene	10.25	91	1439499	176.70 ppb		90
52)	1,1,1,2-Tetrachloroethane	10.28	131	294806	202.98 ppb		98
53)	m,p-Xylene	10.35	106	1147933	365.24 ppb		85
54)	o-Xylene	10.71	106	627192	197.21 ppb		92
55)	Styrene	10.73	104	973717	186.80 ppb		96
56)	Bromoform	10.97	173	183545	223.56 ppb		99
57)	Isopropylbenzene	11.00	105	1468747	179.06 ppb		91
60)	1,1,2,2-Tetrachloroethane	11.31	83	279258	188.73 ppb		99
61)	n-Propylbenzene	11.35	91	1719007	159.84 ppb	#	87
62)	Bromobenzene	11.37	156	375631	190.84 ppb		90
63)	1,2,3-Trichloropropane	11.39	110	82390	185.62 ppb		84
64)	1,3,5-Trimethylbenzene	11.48	105	1284083	176.54 ppb		92
65)	2-Chlorotoluene	11.49	91	1132203	171.07 ppb		89
66)	4-Chlorotoluene	11.59	91	1045855	179.35 ppb		92
67)	tert-Butylbenzene	11.76	119	1162113	185.11 ppb		94
68)	1,2,4-Trimethylbenzene	11.82	105	1238141	182.62 ppb		91
69)	sec-Butylbenzene	11.95	105	1644849	179.57 ppb	#	87
70)	p-Isopropyltoluene	12.04	119	1451185	185.72 ppb	#	89
71)	1,3-Dichlorobenzene	12.13	146	767982	198.03 ppb		96
72)	1,4-Dichlorobenzene	12.21	146	786682	199.19 ppb		97
73)	n-Butylbenzene	12.39	91	1419543	197.59 ppb	#	91
74)	1,2-Dichlorobenzene	12.55	146	700203	205.23 ppb		99
75)	1,2-Dibromo-3-chloropropan	13.25	75	67390	233.59 ppb		97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09891.D Vial: 9
Acq On : 7 Jun 2005 9:21 Operator: TWK SOP525r10
Sample : ICALVL_200_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 09:54:51 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 09:54:28 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

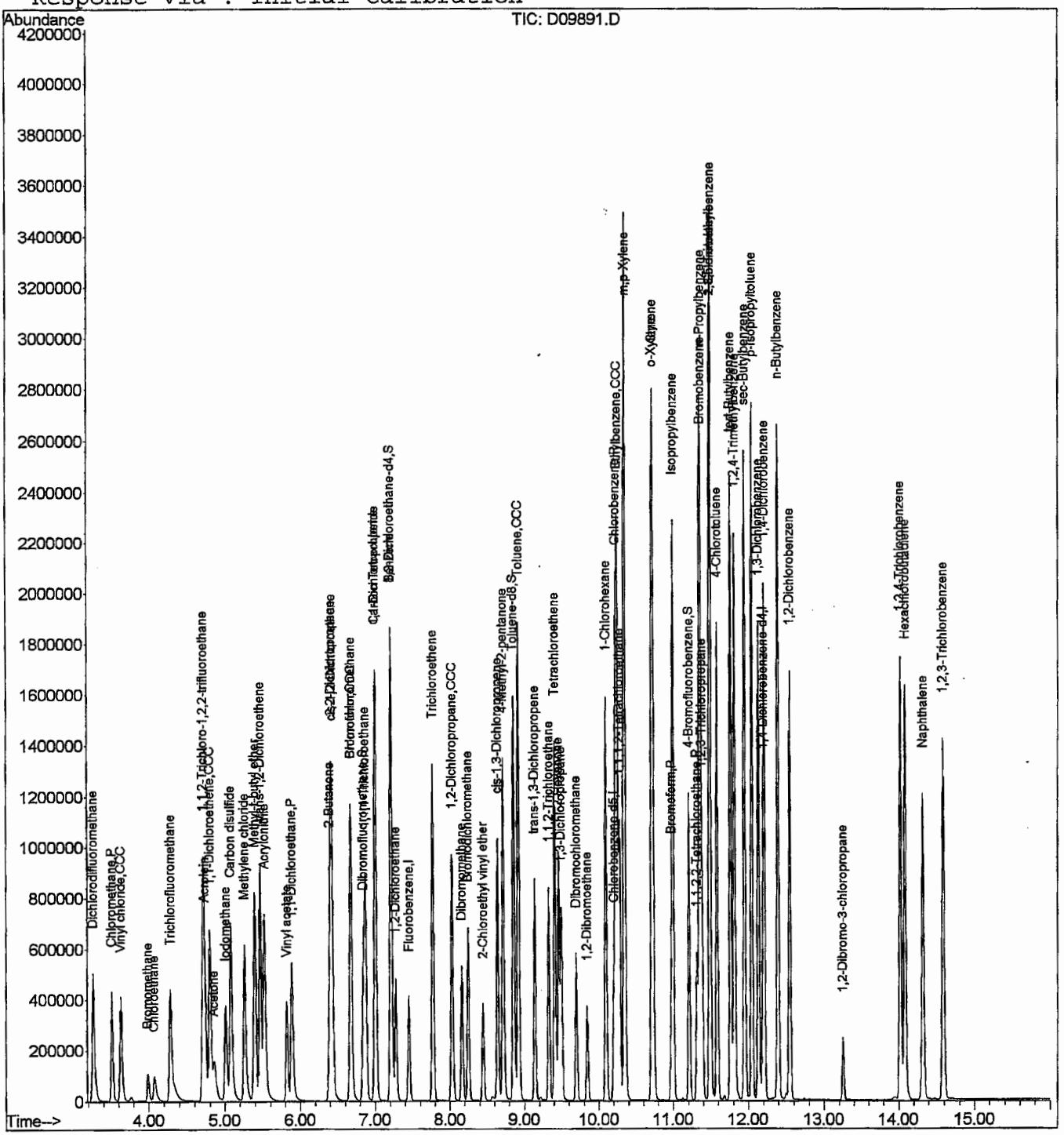
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76)	1,2,4-Trichlorobenzene	14.02	180	634511	225.13 ppb	99
77)	Hexachlorobutadiene	14.09	225	391264	260.81 ppb	99
78)	Naphthalene	14.32	128	1131747	198.10 ppb	100
79)	1,2,3-Trichlorobenzene	14.59	180	561752	214.96 ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09891.D Vial: 9
Acq On : 7 Jun 2005 9:21 Operator: TWK SOP525r1
Sample : ICALVL_200_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 7 9:54 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:40:24 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09895.D Vial: 13
Acq On : 7 Jun 2005 10:47 Operator: TWK SOP525r10
Sample : ICALVL_2_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 11:07:05 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 10:58:38 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	391207	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	142307	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.19	152	124019	50.00 ppb	0.00

System Monitoring Compounds					
25) Dibromofluoromethane	6.85	113	~~4748~~ m(NA) 6/7/05	2.66 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 5.32%#		
29) 1,2-Dichloroethane-d4	0.00	65	0d	0.00 ppb	
Spiked Amount 50.000			Recovery = 0.00%		
39) Toluene-d8	0.00	98	0d	0.00 ppb	
Spiked Amount 50.000	Range 83 - 120		Recovery = 0.00%#		
59) 4-Bromofluorobenzene	0.00	95	0d	0.00 ppb	
Spiked Amount 50.000	Range 74 - 123		Recovery = 0.00%#		

Target Compounds					Qvalue
5) Bromomethane	4.01	96	2421	1.83 ppb	85
6) Chloroethane	4.09	64	2291	1.82 ppb	95
77) Hexachlorobutadiene	14.09	225	2328	1.63 ppb	95

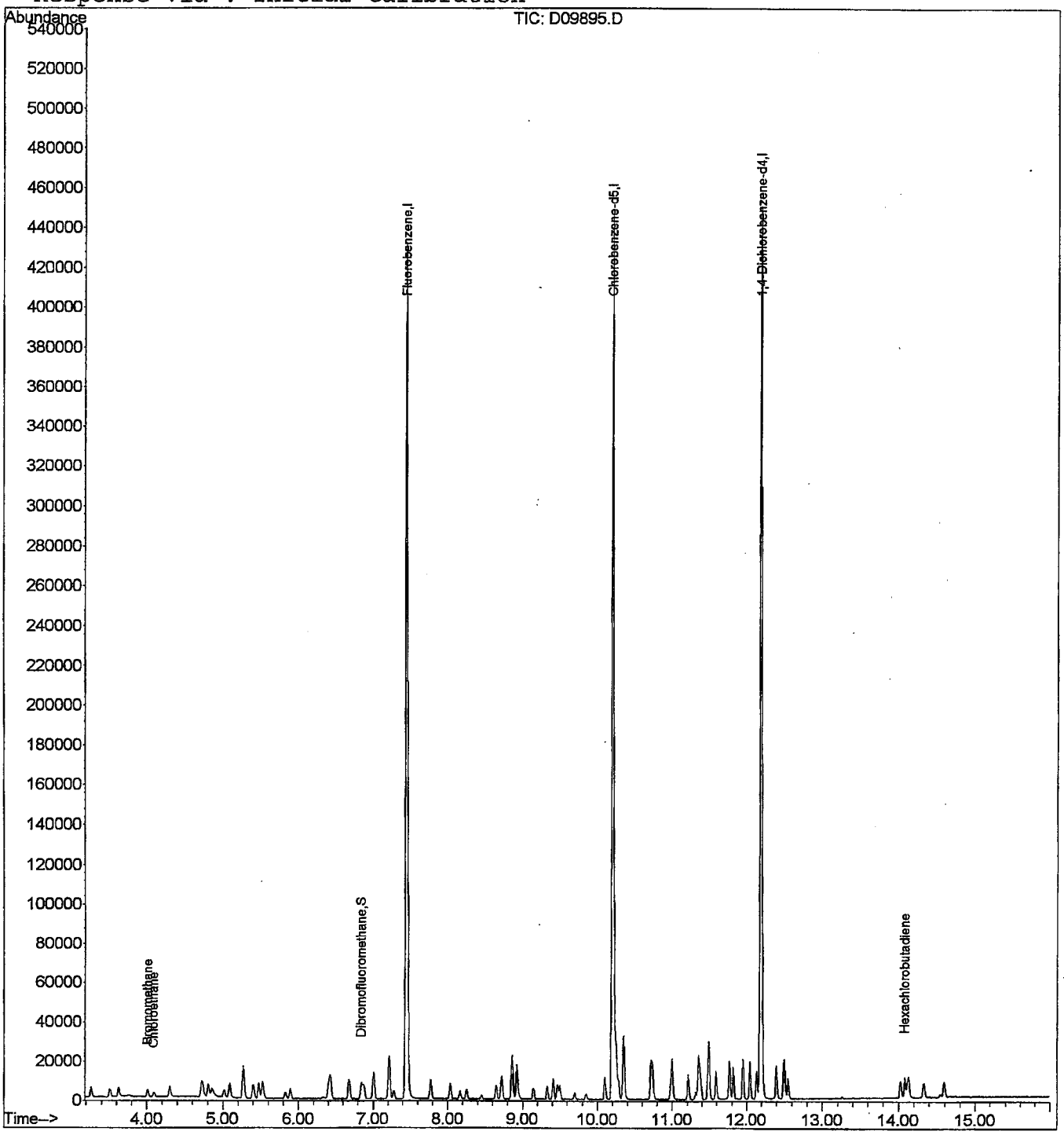
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09895.D
Acq On : 7 Jun 2005 10:47
Sample : ICALVL_2_CSTD
Misc : 5mL heated water, 1st source
MS Integration Params: ETTICS.P
Quant Time: Jun 7 12:10 2005

Vial: 13
Operator: TWK SOP525r1
Inst : HPV-4
Multiplr: 1.00
Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:40:24 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09896.D Vial: 14
Acq On : 7 Jun 2005 11:08 Operator: TWK SOP525r10
Sample : ICALVL_5_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 11:26:43 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:16:11 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	388682	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	141791	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.19	152	122485	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	8355	4.63 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	9.26%#	
29) 1,2-Dichloroethane-d4	7.21	65	8140	4.72 ppb	0.00
Spiked Amount 50.000			Recovery =	9.44%	
39) Toluene-d8	8.86	98	30306	4.46 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery =	8.92%#	
59) 4-Bromofluorobenzene	11.21	95	10684	4.69 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	9.38%#	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.26	85	15422	4.91 ppb	99
3) Chloromethane	3.51	50	11961	4.82 ppb	96
4) Vinyl chloride	3.63	62	13459	4.92 ppb	99
5) Bromomethane	4.01	96	6937	5.15 ppb	94
6) Chloroethane	4.10	64	7017	5.46 ppb	99
7) Trichlorofluoromethane	4.30	101	15599	5.15 ppb	99
8) 1,1,2-Trichloro-1,2,2-trif	4.72	101	11537	5.21 ppb	94
9) Acrolein	4.74	56	9042	47.01 ppb	96
10) 1,1-Dichloroethene	4.81	96	8361	4.71 ppb	95
11) Acetone	4.86	58	3044	21.74 ppb	96
12) Iodomethane	5.02	142	11191	4.49 ppb	98
13) Carbon disulfide	5.09	76	32004	4.98 ppb	99
14) Methylene chloride	5.27	84	13635	5.84 ppb	96
15) Methyl-t-butyl ether	5.40	73	22743	4.90 ppb	98
16) trans-1,2-Dichloroethene	5.47	96	9389	4.84 ppb	97
17) Acrylonitrile	5.52	53	19847	49.73 ppb	100
18) Vinyl acetate	5.83	43	13018	4.50 ppb	98
19) 1,1-Dichloroethane	5.89	63	16289	4.98 ppb	100
20) 2-Butanone	6.40	43	13089	20.56 ppb	96
21) 2,2-Dichloropropane	6.42	77	13891	4.80 ppb	99
22) cis-1,2-Dichloroethene	6.43	96	9560	4.76 ppb	98
23) Bromochloromethane	6.67	128	3996	4.79 ppb	94
24) Chloroform	6.68	83	15507	4.93 ppb	97
26) 1,1,1-Trichloroethane	6.87	97	14445	4.83 ppb	97
27) Carbon Tetrachloride	7.00	117	11295	4.64 ppb	96
28) 1,1-Dichloropropene	7.01	75	13391	4.90 ppb	97
30) Benzene	7.21	78	38933	5.04 ppb	99

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09896.D Vial: 14
Acq On : 7 Jun 2005 11:08 Operator: TWK SOP525r10
Sample : ICALVL_5_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 11:26:43 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:16:11 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31)	1,2-Dichloroethane	7.27	62	9310	4.96 ppb		99
32)	Trichloroethene	7.77	95	10127	4.88 ppb		93
33)	1,2-Dichloropropane	8.03	63	9087	4.87 ppb		98
34)	Dibromomethane	8.16	93	4330	4.74 ppb		92
35)	Bromodichloromethane	8.25	83	9940	4.74 ppb		98
36)	2-Chloroethyl vinyl ether	8.45	63	3199	4.27 ppb		95
37)	cis-1,3-Dichloropropene	8.64	75	13059	4.62 ppb	#	92
38)	4-Methyl-2-pentanone	8.71	43	24121	20.37 ppb		96
40)	Toluene	8.92	91	38883	5.13 ppb		98
41)	trans-1,3-Dichloropropene	9.14	75	10038	4.58 ppb		96
42)	1,1,2-Trichloroethane	9.33	83	5677	5.06 ppb		97
43)	Tetrachloroethene	9.41	164	7531	4.73 ppb		99
44)	2-Hexanone	9.46	43	15733	19.63 ppb		100
45)	1,3-Dichloropropane	9.50	76	11289	5.08 ppb		100
46)	Dibromochloromethane	9.69	129	6202	4.50 ppb		96
47)	1,2-Dibromoethane	9.85	107	5979	4.84 ppb		98
49)	1-Chlorohexane	10.10	91	12694	4.82 ppb		94
50)	Chlorobenzene	10.22	112	23350	5.04 ppb		96
51)	Ethylbenzene	10.25	91	40971	5.13 ppb		100
52)	1,1,1,2-Tetrachloroethane	10.28	131	6738	4.78 ppb		93
53)	m,p-Xylene	10.35	106	31443	10.20 ppb		94
54)	o-Xylene	10.72	106	14722	4.80 ppb		97
55)	Styrene	10.73	104	24322	4.88 ppb		98
56)	Bromoform	10.97	173	3337	4.24 ppb		98
57)	Isopropylbenzene	11.00	105	40352	5.07 ppb		99
60)	1,1,2,2-Tetrachloroethane	11.31	83	6578	5.03 ppb		99
61)	n-Propylbenzene	11.35	91	49676	5.35 ppb		93
62)	Bromobenzene	11.37	156	8721	5.01 ppb		97
63)	1,2,3-Trichloropropane	11.39	110	2074	5.27 ppb		80
64)	1,3,5-Trimethylbenzene	11.48	105	32739	5.18 ppb		98
65)	2-Chlorotoluene	11.50	91	31932	5.41 ppb		98
66)	4-Chlorotoluene	11.59	91	27584	5.23 ppb		98
67)	tert-Butylbenzene	11.76	119	28301	5.08 ppb		98
68)	1,2,4-Trimethylbenzene	11.82	105	30338	5.09 ppb		99
69)	sec-Butylbenzene	11.95	105	42805	5.24 ppb		99
70)	p-Isopropyltoluene	12.04	119	34496	5.00 ppb		99
71)	1,3-Dichlorobenzene	12.13	146	17211	4.95 ppb	#	91
72)	1,4-Dichlorobenzene	12.21	146	18629	5.13 ppb	#	91
73)	n-Butylbenzene	12.40	91	31247	4.86 ppb		99
74)	1,2-Dichlorobenzene	12.55	146	14574	4.80 ppb		96
75)	1,2-Dibromo-3-chloropropan	13.26	75	1090	4.39 ppb		92

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09896.D Vial: 14
Acq On : 7 Jun 2005 11:08 Operator: TWK SOP525r10
Sample : ICALVL_5_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 11:26:43 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:16:11 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

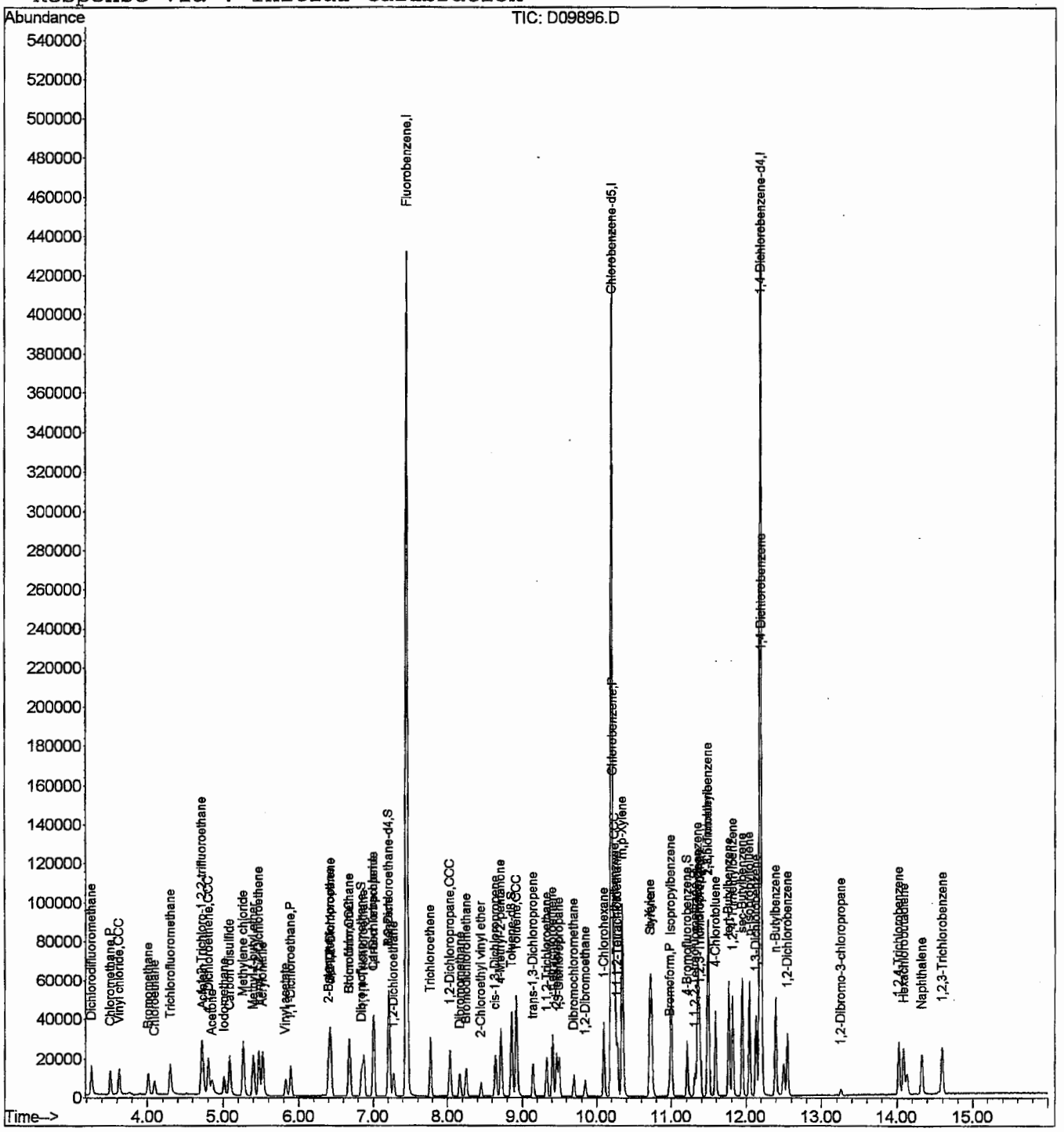
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76)	1,2,4-Trichlorobenzene	14.03	180	10982	4.38 ppb	98
77)	Hexachlorobutadiene	14.08	225	5977	4.16 ppb	95
78)	Naphthalene	14.33	128	21601	4.42 ppb	100
79)	1,2,3-Trichlorobenzene	14.59	180	10430	4.49 ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09896.D Vial: 14
Acq On : 7 Jun 2005 11:08 Operator: TWK SOP525r1
Sample : ICALVL_5_CSTD Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 7 11:26 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:40:24 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09897.D Vial: 15
Acq On : 7 Jun 2005 11:28 Operator: TWK SOP525r10
Sample : VL050607-4ICV Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 11:52:53 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:40:24 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	352739	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	133299	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.19	152	119144	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	82467	53.64 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 107.28%		
29) 1,2-Dichloroethane-d4	7.21	65	81543	56.92 ppb	0.00
Spiked Amount 50.000			Recovery = 113.84%		
39) Toluene-d8	8.85	98	342414	59.87 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 119.74%		
59) 4-Bromofluorobenzene	11.21	95	116934	56.95 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 113.90%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.26	85	174377	58.98 ppb	99
3) Chloromethane	3.51	50	126481	54.76 ppb	99
4) Vinyl chloride	3.63	62	135835	53.33 ppb	99
5) Bromomethane	4.01	96	72132	59.07 ppb	99
6) Chloroethane	4.09	64	66383	56.95 ppb	99
7) Trichlorofluoromethane	4.30	101	162615	57.98 ppb	99
8) 1,1,2-Trichloro-1,2,2-trif	4.72	101	106483	51.58 ppb	99
9) Acrolein	4.74	56	75180	423.62 ppb	97
10) 1,1-Dichloroethene	4.81	96	86640	52.22 ppb	99
11) Acetone	4.86	58	22022	225.24 ppb	96
12) Iodomethane	5.02	142	117259	49.67 ppb	99
13) Carbon disulfide	5.08	76	283452	47.89 ppb	99
14) Methylene chloride	5.27	84	80128	47.61 ppb	98
15) Methyl-t-butyl ether	5.39	73	218283	50.12 ppb	99
16) trans-1,2-Dichloroethene	5.47	96	91564	50.27 ppb	99
17) Acrylonitrile	5.52	53	206837	567.05 ppb	100
18) Vinyl acetate	5.83	43	112757	41.42 ppb	100
19) 1,1-Dichloroethane	5.89	63	159016	52.26 ppb	99
20) 2-Butanone	6.39	43	133808	236.43 ppb	99
21) 2,2-Dichloropropane	6.42	77	130161	47.96 ppb	100
22) cis-1,2-Dichloroethene	6.43	96	91119	48.35 ppb	98
23) Bromochloromethane	6.67	128	37904	48.31 ppb	97
24) Chloroform	6.68	83	145462	49.26 ppb	99
26) 1,1,1-Trichloroethane	6.87	97	138137	49.19 ppb	99
27) Carbon Tetrachloride	7.00	117	117602	51.03 ppb	99
28) 1,1-Dichloropropene	7.01	75	135342	52.98 ppb	100
30) Benzene	7.21	78	362392	50.73 ppb	99

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09897.D Vial: 15
Acq On : 7 Jun 2005 11:28 Operator: TWK SOP525r10
Sample : VL050607-4ICV Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 11:52:53 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:40:24 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) 1,2-Dichloroethane	7.27	62	87759	50.30 ppb	100
32) Trichloroethene	7.77	95	101000	50.36 ppb	98
33) 1,2-Dichloropropane	8.03	63	91706	50.99 ppb	99
34) Dibromomethane	8.16	93	42909	48.98 ppb	99
35) Bromodichloromethane	8.25	83	105649	52.24 ppb	97
36) 2-Chloroethyl vinyl ether	8.45	63	37915	51.62 ppb	99
37) cis-1,3-Dichloropropene	8.64	75	138589	50.60 ppb	98
38) 4-Methyl-2-pentanone	8.71	43	272968	240.56 ppb	99
40) Toluene	8.92	91	364221	50.77 ppb	99
41) trans-1,3-Dichloropropene	9.14	75	112752	52.98 ppb	99
42) 1,1,2-Trichloroethane	9.33	83	56704	51.77 ppb	99
43) Tetrachloroethene	9.41	164	77642	50.67 ppb	100
44) 2-Hexanone	9.46	43	191343	247.40 ppb	99
45) 1,3-Dichloropropane	9.49	76	114723	53.73 ppb	100
46) Dibromochloromethane	9.69	129	73547	54.53 ppb	98
47) 1,2-Dibromoethane	9.85	107	65079	54.50 ppb	100
49) 1-Chlorohexane	10.10	91	132524	49.88 ppb	99
50) Chlorobenzene	10.22	112	234201	50.92 ppb	100
51) Ethylbenzene	10.25	91	400972	51.02 ppb	100
52) 1,1,1,2-Tetrachloroethane	10.28	131	74303	52.30 ppb	100
53) m,p-Xylene	10.35	106	317999	104.24 ppb	98
54) o-Xylene	10.71	106	159318	51.69 ppb	100
55) Styrene	10.73	104	256779	51.54 ppb	99
56) Bromoform	10.97	173	42443	49.33 ppb	99
57) Isopropylbenzene	11.00	105	382440	48.42 ppb	100
60) 1,1,2,2-Tetrachloroethane	11.31	83	71931	53.71 ppb	99
61) n-Propylbenzene	11.35	91	480371	50.47 ppb	100
62) Bromobenzene	11.37	156	91896	51.11 ppb	96
63) 1,2,3-Trichloropropane	11.39	110	21592	53.11 ppb	92
64) 1,3,5-Trimethylbenzene	11.48	105	328839	50.35 ppb	100
65) 2-Chlorotoluene	11.49	91	304015	50.58 ppb	100
66) 4-Chlorotoluene	11.59	91	273248	51.07 ppb	99
67) tert-Butylbenzene	11.76	119	293219	51.53 ppb	100
68) 1,2,4-Trimethylbenzene	11.82	105	322967	52.49 ppb	99
69) sec-Butylbenzene	11.95	105	432087	51.85 ppb	100
70) p-Isopropyltoluene	12.04	119	351249	49.76 ppb	100
71) 1,3-Dichlorobenzene	12.13	146	175631	49.36 ppb	99
72) 1,4-Dichlorobenzene	12.21	146	174911	47.35 ppb	99
73) n-Butylbenzene	12.39	91	336637	51.12 ppb	100
74) 1,2-Dichlorobenzene	12.55	146	162856	52.11 ppb	99
75) 1,2-Dibromo-3-chloropropan	13.25	75	14673	50.63 ppb	98

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060705\D09897.D Vial: 15
Acq On : 7 Jun 2005 11:28 Operator: TWK SOP525r10
Sample : VL050607-4ICV Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 07 11:52:53 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:40:24 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

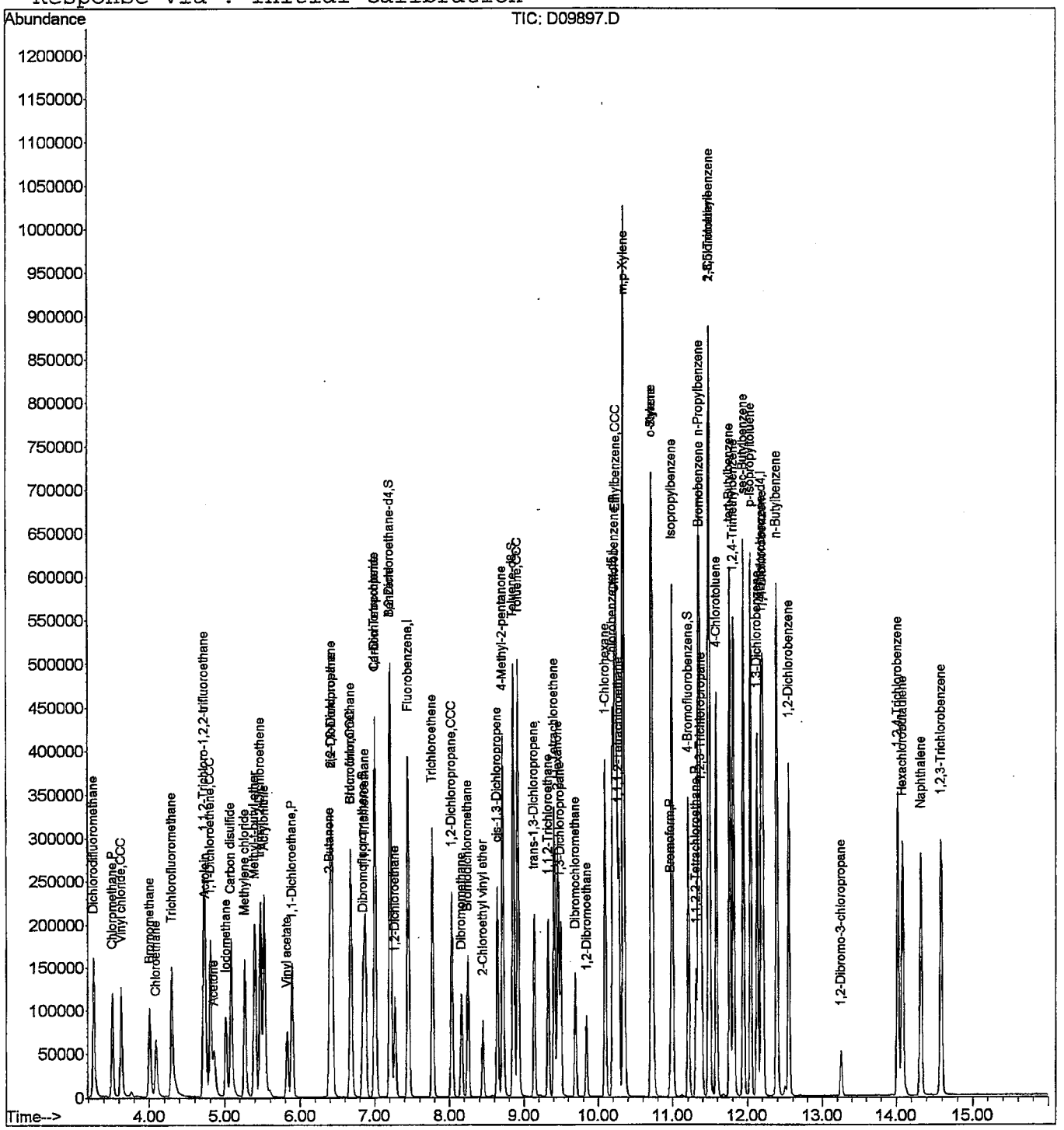
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76) 1,2,4-Trichlorobenzene	14.02	180	128887	49.60 ppb	99
77) Hexachlorobutadiene	14.09	225	69999	50.21 ppb	100
78) Naphthalene	14.32	128	267275	53.01 ppb	100
79) 1,2,3-Trichlorobenzene	14.59	180	119296	50.02 ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

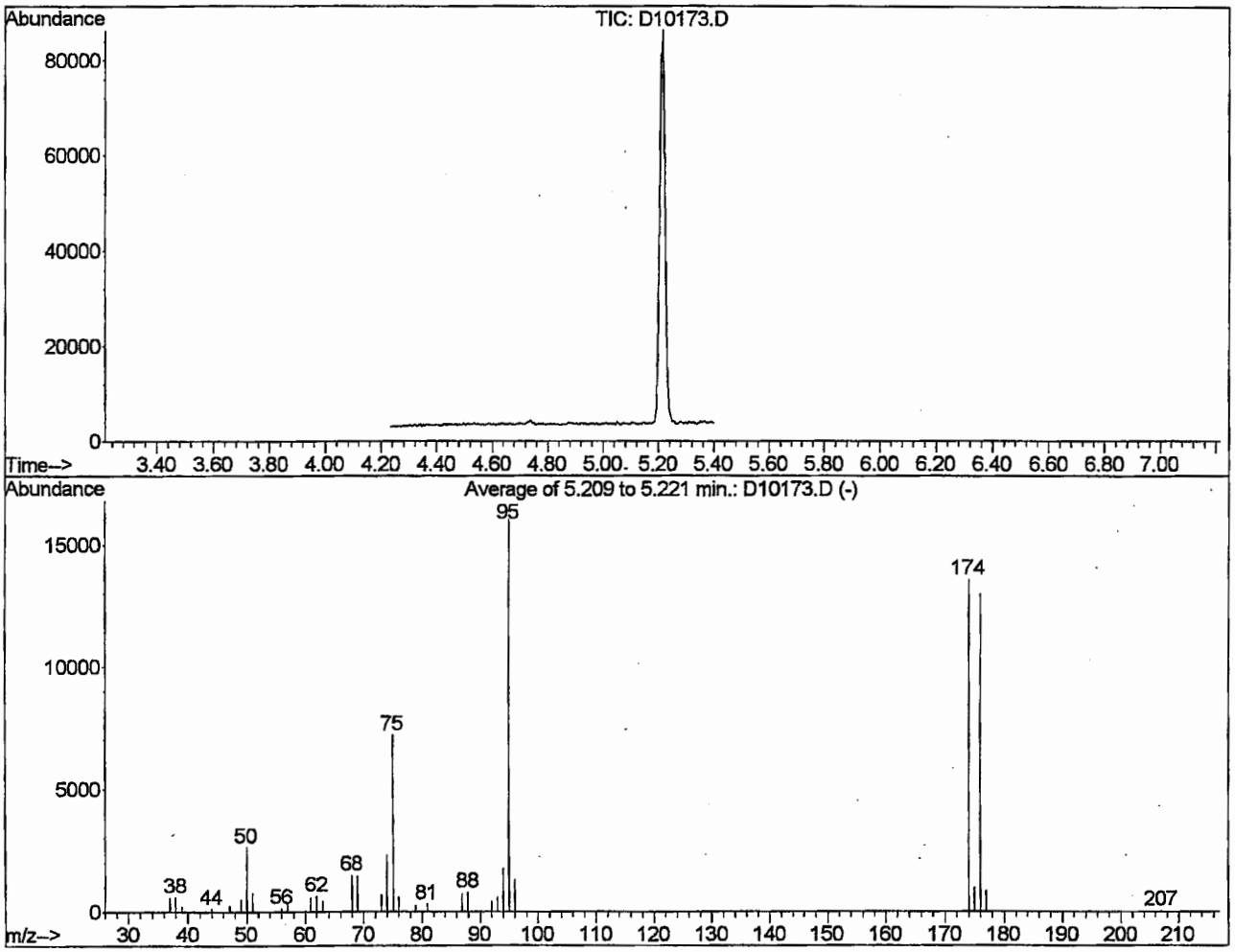
Data File : C:\MSDCHEM\1\DATA\060705\D09897.D Vial: 15
Acq On : 7 Jun 2005 11:28 Operator: TWK SOP525r1
Sample : VL050607-4ICV Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 7 11:52 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 07 11:40:24 2005
Response via : Initial Calibration



BFB

Data File : C:\MSDCHEM\1\DATA\062705\D10173.D Vial: 100
Acq On : 27 Jun 2005 12:29 Operator: TWK SOP525
Sample : BFB-TUNE1 Inst : HPV-4
Misc : 4-Bromofluorobenzene, 50ng, direct inj. Multiplr: 1.00
MS Integration Params: ETTICS.P
Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)



AutoFind: Scans 167, 168, 169; Background Corrected with Scan 161

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	2632	PASS
75	95	30	60	45.0	7199	PASS
95	95	100	100	100.0	15990	PASS
96	95	5	9	8.3	1320	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.0	13585	PASS
175	174	5	9	7.2	981	PASS
176	174	95	101	95.6	12984	PASS
177	176	5	9	6.7	864	PASS

D10173.D 060705S.M Mon Jun 27 12:59:19 2005 HPV4 am 6/27/05

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10174.D Vial: 4
Acq On : 27 Jun 2005 12:43 Operator: TWK SOP525r10
Sample : VL050627-4CCV Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 12:59:29 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Fri Jun 24 09:00:52 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	7.45	96	440742	50.00	ppb	0.00
48) Chlorobenzene-d5	10.20	82	160282	50.00	ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.19	152	151744	50.00	ppb	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	6.84	113	99579	51.84	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.68%			
29) 1,2-Dichloroethane-d4	7.21	65	89142	49.80	ppb	0.00
Spiked Amount 50.000			Recovery = 99.60%			
39) Toluene-d8	8.86	98	380238	53.21	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 106.42%			
59) 4-Bromofluorobenzene	11.21	95	139117	53.20	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.26	85	397841	107.69	ppb	99
3) Chloromethane	3.51	50	296500	102.73	ppb	99
4) Vinyl chloride	3.63	62	323399	101.61	ppb	99
5) Bromomethane	4.00	96	173890	113.97	ppb	99
6) Chloroethane	4.09	64	147614	101.35	ppb	98
7) Trichlorofluoromethane	4.30	101	372074	106.17	ppb	100
8) 1,1,2-Trichloro-1,2,2-trif	4.72	101	263136	102.01	ppb	99
9) Acrolein	4.74	56	195962	883.71	ppb	99
10) 1,1-Dichloroethene	4.81	96	204183	98.50	ppb	93
11) Acetone	4.86	58	47152	392.96	ppb	95
12) Iodomethane	5.02	142	307732	104.33	ppb	99
13) Carbon disulfide	5.08	76	686503	92.83	ppb	99
14) Methylene chloride	5.27	84	188494	91.05	ppb	95
15) Methyl-t-butyl ether	5.40	73	489823	90.01	ppb	98
16) trans-1,2-Dichloroethene	5.47	96	217305	95.48	ppb	92
17) Acrylonitrile	5.52	53	379649	832.99	ppb	99
18) Vinyl acetate	5.83	43	316157	92.96	ppb	95
19) 1,1-Dichloroethane	5.89	63	350973	92.32	ppb	99
20) 2-Butanone	6.40	43	255649	361.52	ppb	95
21) 2,2-Dichloropropane	6.42	77	342772	101.09	ppb	99
22) cis-1,2-Dichloroethene	6.43	96	224560	95.37	ppb	93
23) Bromochloromethane	6.68	128	97741	99.71	ppb	89
24) Chloroform	6.68	83	351666	95.32	ppb	99
26) 1,1,1-Trichloroethane	6.87	97	346565	98.76	ppb	99
27) Carbon Tetrachloride	7.01	117	303629	105.45	ppb	100
28) 1,1-Dichloropropene	7.01	75	299685	93.89	ppb	98
30) Benzene	7.21	78	824811	92.40	ppb	100

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10174.D Vial: 4
Acq On : 27 Jun 2005 12:43 Operator: TWK SOP525r10
Sample : VL050627-4CCV Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 12:59:29 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Fri Jun 24 09:00:52 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31)	1,2-Dichloroethane	7.28	62	203258	93.23	ppb		98
32)	Trichloroethene	7.77	95	247848	98.90	ppb		99
33)	1,2-Dichloropropane	8.03	63	209611	93.27	ppb		100
34)	Dibromomethane	8.16	93	109100	99.68	ppb		98
35)	Bromodichloromethane	8.25	83	253474	100.30	ppb		100
36)	2-Chloroethyl vinyl ether	8.45	63	91350	99.54	ppb		98
37)	cis-1,3-Dichloropropene	8.64	75	339040	99.07	ppb	#	92
38)	4-Methyl-2-pentanone	8.71	43	524552	369.98	ppb		98
40)	Toluene	8.92	91	845877	94.37	ppb		99
41)	trans-1,3-Dichloropropene	9.14	75	271228	101.99	ppb		98
42)	1,1,2-Trichloroethane	9.33	83	134853	98.54	ppb		97
43)	Tetrachloroethene	9.41	164	199398	104.14	ppb		98
44)	2-Hexanone	9.46	43	366003	378.74	ppb		96
45)	1,3-Dichloropropane	9.50	76	253080	94.87	ppb		100
46)	Dibromochloromethane	9.69	129	181817	107.89	ppb		99
47)	1,2-Dibromoethane	9.85	107	152141	101.96	ppb		99
49)	1-Chlorohexane	10.10	91	322711	101.02	ppb		96
50)	Chlorobenzene	10.23	112	550780	99.59	ppb		99
51)	Ethylbenzene	10.25	91	906257	95.90	ppb		99
52)	1,1,1,2-Tetrachloroethane	10.28	131	182345	106.74	ppb		99
53)	m,p-Xylene	10.35	106	731366	199.39	ppb		98
54)	o-Xylene	10.71	106	377033	101.74	ppb		98
55)	Styrene	10.73	104	599259	100.03	ppb		100
56)	Bromoform	10.97	173	111815	102.54	ppb		98
57)	Isopropylbenzene	11.00	105	935365	98.50	ppb		98
60)	1,1,2,2-Tetrachloroethane	11.31	83	162936	95.52	ppb		100
61)	n-Propylbenzene	11.35	91	1115864	92.05	ppb		97
62)	Bromobenzene	11.37	156	226565	98.93	ppb		98
63)	1,2,3-Trichloropropane	11.39	110	49877	96.33	ppb		96
64)	1,3,5-Trimethylbenzene	11.48	105	777795	93.51	ppb		98
65)	2-Chlorotoluene	11.49	91	694760	90.76	ppb		100
66)	4-Chlorotoluene	11.59	91	621229	91.17	ppb		97
67)	tert-Butylbenzene	11.76	119	689225	95.10	ppb		100
68)	1,2,4-Trimethylbenzene	11.82	105	736746	94.02	ppb		99
69)	sec-Butylbenzene	11.95	105	991559	93.43	ppb		98
70)	p-Isopropyltoluene	12.04	119	867288	96.47	ppb		99
71)	1,3-Dichlorobenzene	12.13	146	443621	97.90	ppb		98
72)	1,4-Dichlorobenzene	12.21	146	455716	96.87	ppb		100
73)	n-Butylbenzene	12.39	91	826248	98.51	ppb		99
74)	1,2-Dichlorobenzene	12.55	146	394200	99.03	ppb		99
75)	1,2-Dibromo-3-chloropropan	13.25	75	35940	92.08	ppb		98

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10174.D Vial: 4
Acq On : 27 Jun 2005 12:43 Operator: TWK SOP525r10
Sample : VL050627-4CCV Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 12:59:29 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Fri Jun 24 09:00:52 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

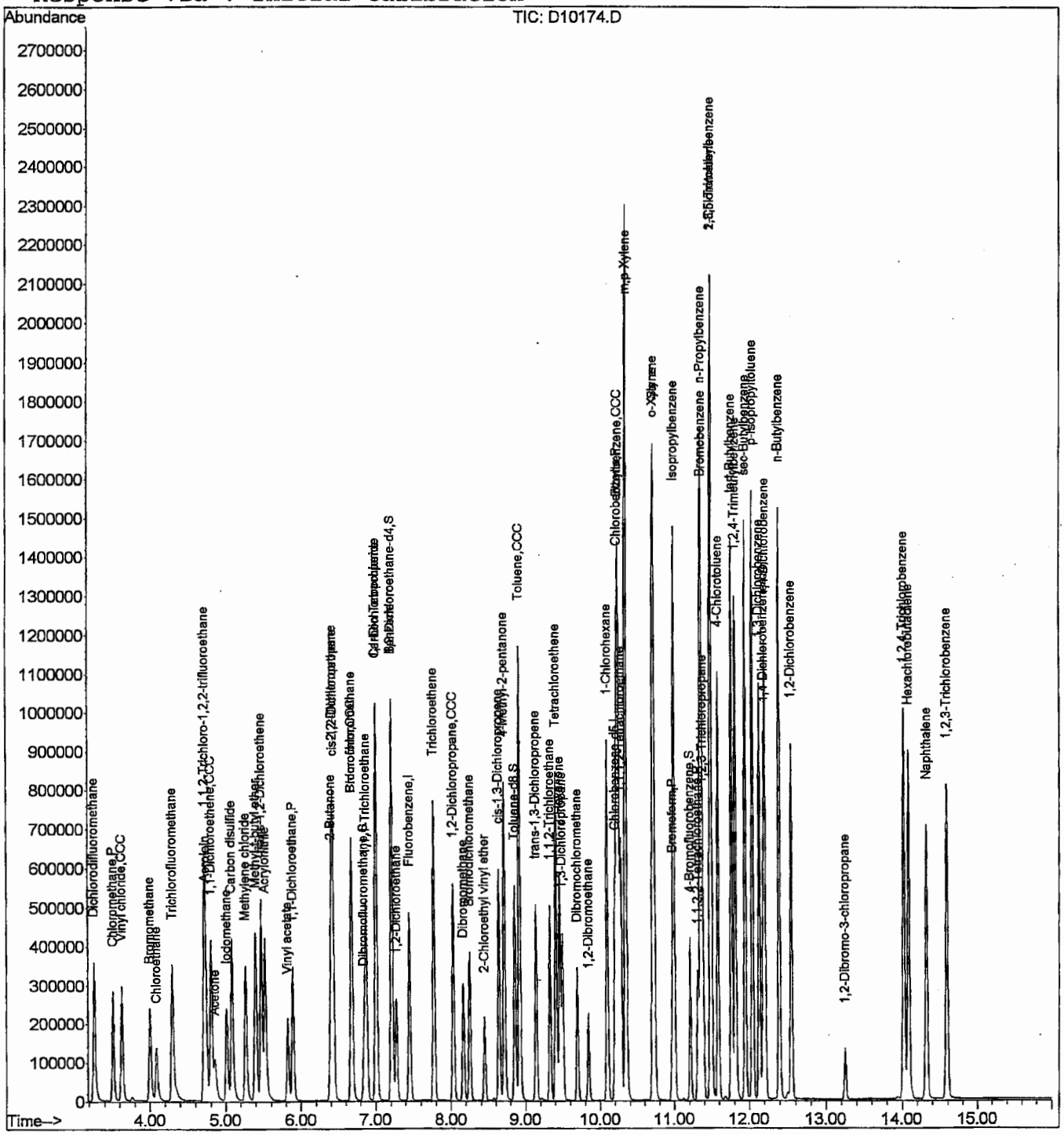
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76) 1,2,4-Trichlorobenzene	14.02	180	367627	111.07 ppb	100
77) Hexachlorobutadiene	14.09	225	215040	107.35 ppb	99
78) Naphthalene	14.32	128	677218	105.46 ppb	100
79) 1,2,3-Trichlorobenzene	14.59	180	327782	107.92 ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

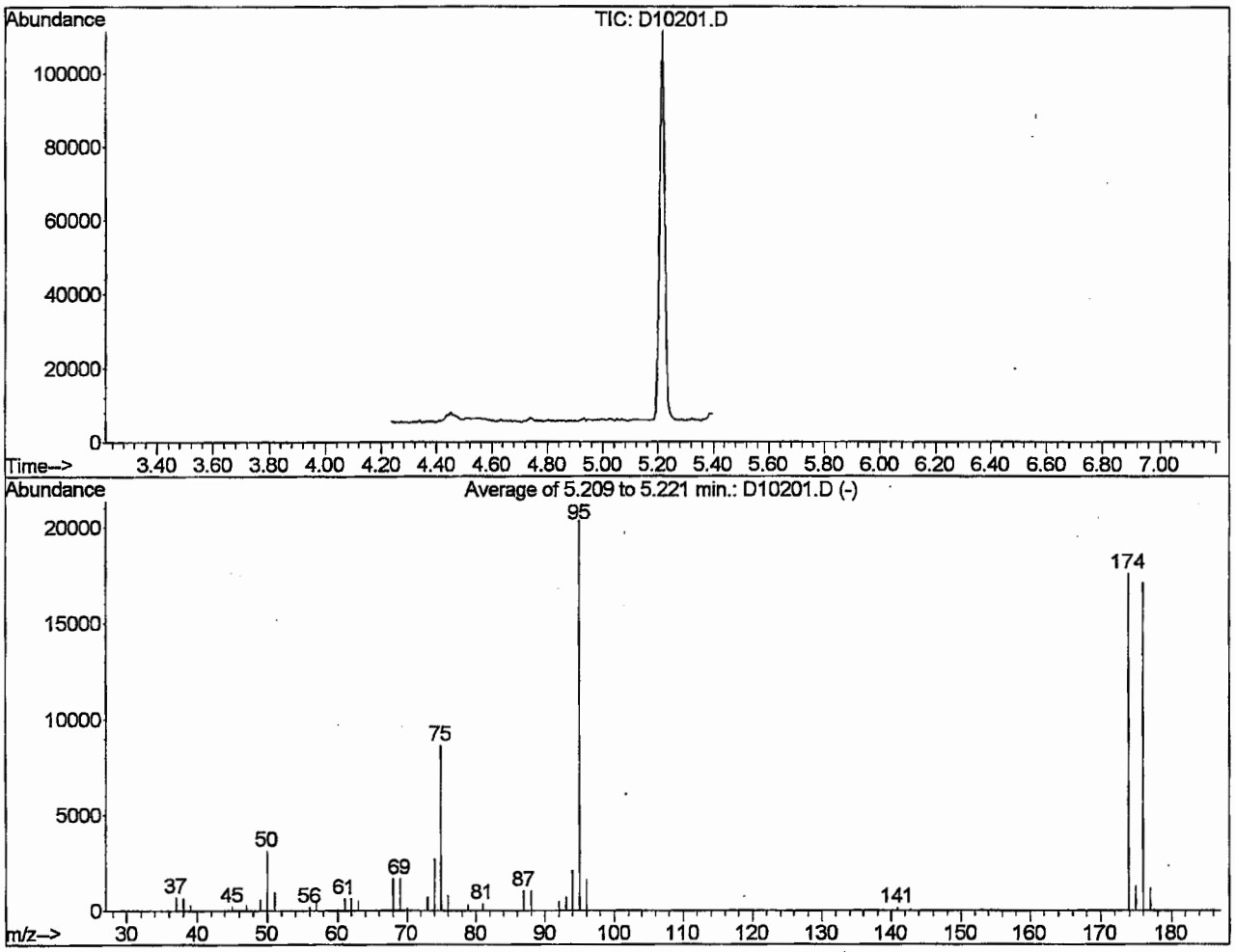
Data File : C:\MSDCHEM\1\DATA\062705\D10174.D Vial: 4
Acq On : 27 Jun 2005 12:43 Operator: TWK SOP525r1
Sample : VL050627-4CCV Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 12:59 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Fri Jun 24 09:00:52 2005
Response via : Initial Calibration



BFB

Data File : C:\MSDCHEM\1\DATA\062805\D10201.D Vial: 100
Acq On : 28 Jun 2005 11:23 Operator: TWK SOP525
Sample : BFB-TUNE1 Inst : HPV-4
Misc : 4-Bromofluorobenzene, 50ng, direct inj. Multiplr: 1.00
MS Integration Params: ETTICS.P
Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)



AutoFind: Scans 167, 168, 169; Background Corrected with Scan 162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	3148	PASS
75	95	30	60	42.6	8662	PASS
95	95	100	100	100.0	20349	PASS
96	95	5	9	7.9	1609	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	17582	PASS
175	174	5	9	7.3	1285	PASS
176	174	95	101	97.2	17086	PASS
177	176	5	9	7.0	1201	PASS

D10201.D 060705S.M Tue Jun 28 11:31:09 2005 HPV4

m 6/28/05

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10202.D Vial: 5
Acq On : 28 Jun 2005 11:35 Operator: TWK SOP525r10
Sample : VL050628-4CCV Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 11:54:50 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	7.45	96	444482	50.00	ppb	0.00
48) Chlorobenzene-d5	10.20	82	157257	50.00	ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.19	152	156973	50.00	ppb	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	6.85	113	100528	51.89	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.78%			
29) 1,2-Dichloroethane-d4	7.21	65	84598	46.86	ppb	0.00
Spiked Amount 50.000			Recovery = 93.72%			
39) Toluene-d8	8.86	98	379202	52.61	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 105.22%			
59) 4-Bromofluorobenzene	11.21	95	142151	52.55	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 105.10%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.26	85	356464	95.68	ppb	99
3) Chloromethane	3.51	50	238657	81.99	ppb	100
4) Vinyl chloride	3.63	62	300574	93.65	ppb	98
5) Bromomethane	4.01	96	168335	109.40	ppb	99
6) Chloroethane	4.09	64	121486	82.71	ppb	98
7) Trichlorofluoromethane	4.30	101	332652	94.12	ppb	100
8) 1,1,2-Trichloro-1,2,2-trif	4.72	101	254039	97.66	ppb	99
9) Acrolein	4.74	56	208146	930.76	ppb	99
10) 1,1-Dichloroethene	4.81	96	205845	98.47	ppb	90
11) Acetone	4.86	58	50728	419.86	ppb	95
12) Iodomethane	5.02	142	348085	117.02	ppb	96
13) Carbon disulfide	5.09	76	729713	97.84	ppb	98
14) Methylene chloride	5.27	84	210900	101.19	ppb	96
15) Methyl-t-butyl ether	5.40	73	510909	93.09	ppb	98
16) trans-1,2-Dichloroethene	5.47	96	226945	98.88	ppb	91
17) Acrylonitrile	5.52	53	440482	958.34	ppb	98
18) Vinyl acetate	5.82	43	324050	94.48	ppb #	95
19) 1,1-Dichloroethane	5.89	63	345521	90.12	ppb	100
20) 2-Butanone	6.40	43	276898	388.27	ppb	95
21) 2,2-Dichloropropane	6.42	77	334867	97.93	ppb	95
22) cis-1,2-Dichloroethene	6.43	96	232335	97.84	ppb	90
23) Bromochloromethane	6.68	128	101180	102.35	ppb	88
24) Chloroform	6.68	83	349439	93.92	ppb	99
26) 1,1,1-Trichloroethane	6.87	97	342698	96.84	ppb	98
27) Carbon Tetrachloride	7.01	117	298903	102.93	ppb	100
28) 1,1-Dichloropropene	7.01	75	305313	94.85	ppb	97
30) Benzene	7.21	78	850816	94.52	ppb	99

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10202.D Vial: 5
Acq On : 28 Jun 2005 11:35 Operator: TWK SOP525r10
Sample : VL050628-4CCV Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 11:54:50 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31)	1,2-Dichloroethane	7.28	62	197510	89.84 ppb		98
32)	Trichloroethene	7.77	95	252877	100.06 ppb		97
33)	1,2-Dichloropropane	8.03	63	212989	93.98 ppb		99
34)	Dibromomethane	8.16	93	113251	102.60 ppb		96
35)	Bromodichloromethane	8.25	83	250437	98.26 ppb		99
36)	2-Chloroethyl vinyl ether	8.45	63	94296	101.89 ppb		98
37)	cis-1,3-Dichloropropene	8.64	75	343438	99.51 ppb		95
38)	4-Methyl-2-pentanone	8.71	43	555689	388.64 ppb		97
40)	Toluene	8.92	91	851663	94.21 ppb		99
41)	trans-1,3-Dichloropropene	9.14	75	266943	99.53 ppb		96
42)	1,1,2-Trichloroethane	9.33	83	138290	100.21 ppb		95
43)	Tetrachloroethene	9.41	164	204067	105.68 ppb		98
44)	2-Hexanone	9.46	43	392781	403.02 ppb	#	92
45)	1,3-Dichloropropane	9.50	76	258951	96.25 ppb		99
46)	Dibromochloromethane	9.69	129	184892	108.79 ppb		99
47)	1,2-Dibromoethane	9.85	107	159442	105.95 ppb		100
49)	1-Chlorohexane	10.10	91	327904	104.62 ppb		93
50)	Chlorobenzene	10.23	112	562892	103.74 ppb		92
51)	Ethylbenzene	10.25	91	911686	98.33 ppb		98
52)	1,1,1,2-Tetrachloroethane	10.28	131	179613	107.16 ppb		100
53)	m,p-Xylene	10.35	106	746745	207.50 ppb		96
54)	o-Xylene	10.72	106	386377	106.27 ppb		95
55)	Styrene	10.73	104	606737	103.22 ppb		99
56)	Bromoform	10.97	173	118063	109.99 ppb		100
57)	Isopropylbenzene	11.00	105	944143	101.33 ppb		99
60)	1,1,2,2-Tetrachloroethane	11.31	83	174879	99.11 ppb		99
61)	n-Propylbenzene	11.35	91	1135816	90.58 ppb		96
62)	Bromobenzene	11.37	156	230287	97.21 ppb		98
63)	1,2,3-Trichloropropane	11.39	110	53206	99.33 ppb		94
64)	1,3,5-Trimethylbenzene	11.48	105	784169	91.13 ppb		97
65)	2-Chlorotoluene	11.49	91	695257	87.80 ppb		95
66)	4-Chlorotoluene	11.59	91	632453	89.72 ppb		96
67)	tert-Butylbenzene	11.76	119	699992	93.36 ppb		99
68)	1,2,4-Trimethylbenzene	11.82	105	746830	92.13 ppb		99
69)	sec-Butylbenzene	11.95	105	1010344	92.03 ppb		98
70)	p-Isopropyltoluene	12.04	119	874861	94.07 ppb		99
71)	1,3-Dichlorobenzene	12.13	146	456070	97.29 ppb		98
72)	1,4-Dichlorobenzene	12.21	146	469182	96.41 ppb		100
73)	n-Butylbenzene	12.39	91	810307	93.39 ppb		99
74)	1,2-Dichlorobenzene	12.55	146	403398	97.97 ppb		99
75)	1,2-Dibromo-3-chloropropan	13.25	75	37606	93.07 ppb		91

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10202.D Vial: 5
Acq On : 28 Jun 2005 11:35 Operator: TWK SOP525r10
Sample : VL050628-4CCV Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 11:54:50 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

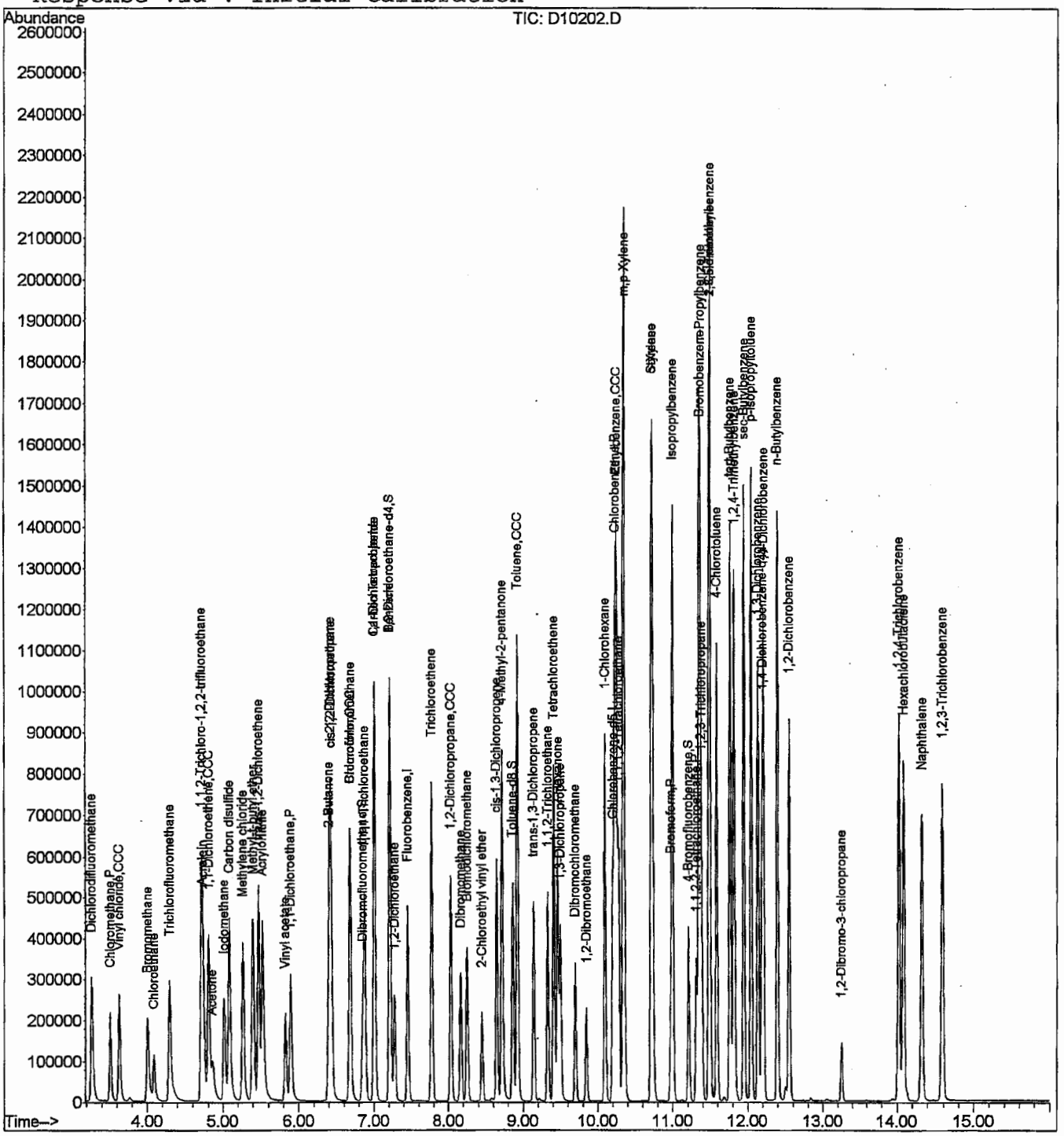
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76)	1,2,4-Trichlorobenzene	14.02	180	358404	104.68 ppb	99
77)	Hexachlorobutadiene	14.09	225	203433	99.70 ppb	99
78)	Naphthalene	14.32	128	681419	102.58 ppb	100
79)	1,2,3-Trichlorobenzene	14.59	180	318761	101.45 ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10202.D Vial: 5
Acq On : 28 Jun 2005 11:35 Operator: TWK SOP525r
Sample : VL050628-4CCV Inst : HPV-4
Misc : 5mL heated water, 1st source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 11:54 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration



Sample Raw Data

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10179.D Vial: 9
Acq On : 27 Jun 2005 14:27 Operator: TWK SOP525r10
Sample : VL050627-4MB Inst : HPV-4
Misc : 5mL heated water, method blank Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 15:07:04 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	493214	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	172107	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.18	152	150696	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	111326	51.78 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 103.56%		
29) 1,2-Dichloroethane-d4	7.21	65	100904	50.37 ppb	0.00
Spiked Amount 50.000			Recovery = 100.74%		
39) Toluene-d8	8.85	98	411442	51.45 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 102.90%		
59) 4-Bromofluorobenzene	11.21	95	144636	55.70 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 111.40%		
Target Compounds					Qvalue
11) Acetone	4.85	58	283	Below Cal #	1
14) Methylene chloride	5.27	84	1833	Below Cal #	87

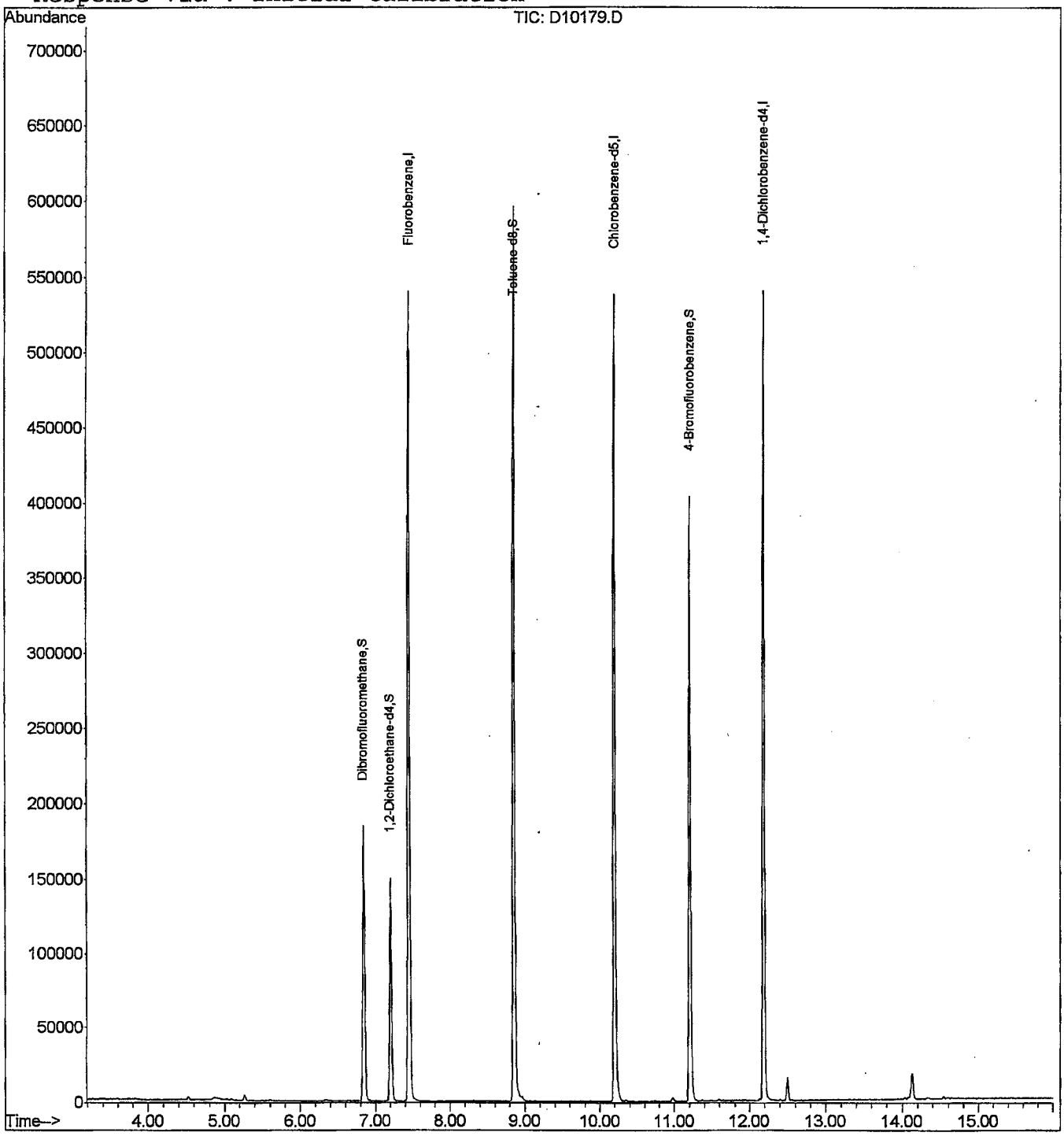
(#) = qualifier out of range (m) = manual integration (+) = signals summed

MG 6/27/05

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10179.D Vial: 9
Acq On : 27 Jun 2005 14:27 Operator: TWK SOP525r1
Sample : VL050627-4MB Inst : HPV-4
Misc : 5mL heated water, method blank Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 15:07 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10188.D Vial: 18
Acq On : 27 Jun 2005 17:49 Operator: TWK SOP525r10
Sample : 0506217-11 10X Inst : HPV-4
Misc : 5mL heated water (500uL) Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 09:04:14 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	563808	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	207166	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.18	152	196122	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	132609	53.96 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 107.92%		
29) 1,2-Dichloroethane-d4	7.20	65	106275	46.41 ppb	0.00
Spiked Amount 50.000			Recovery = 92.82%		
39) Toluene-d8	8.85	98	502359	54.95 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 109.90%		
59) 4-Bromofluorobenzene	11.21	95	181242	53.63 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 107.26%		

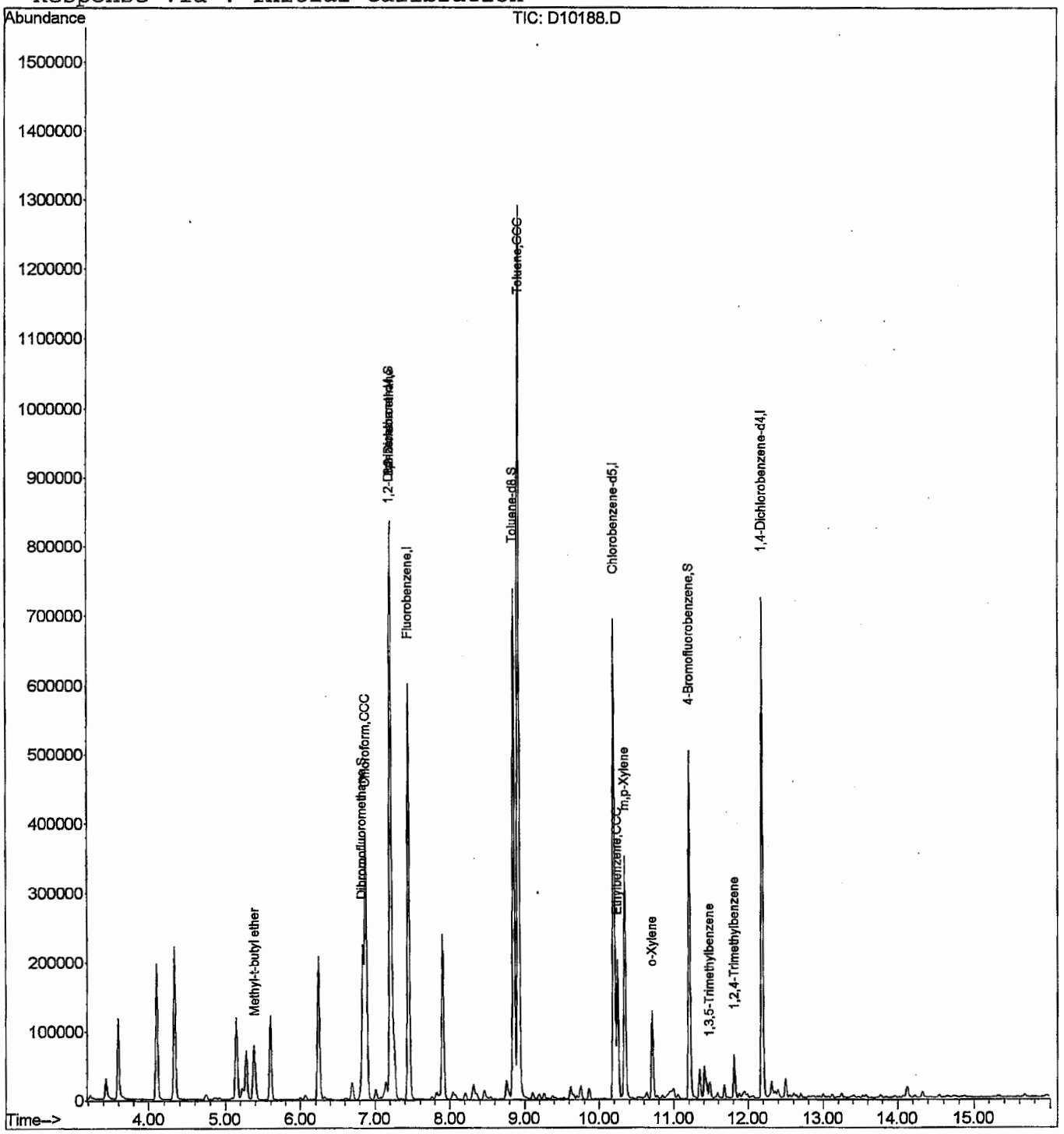
Target Compounds					Qvalue
11) Acetone	4.85	58	1176	Below Cal	# 42
14) Methylene chloride	5.27	84	1398	Below Cal	# 84
15) Methyl-t-butyl ether	5.40	73	22215	3.19 ppb	# NO 54
24) Chloroform	6.88	83	9333	1.98 ppb	# NO 36
30) Benzene	7.21	78	631398	55.30 ppb	✓ 99
31) 1,2-Dichloroethane	7.21	62	4408	1.58 ppb	#NO 80
40) Toluene	8.92	91	969229	84.53 ppb	✓ 98
51) Ethylbenzene	10.25	91	144943	11.87 ppb	✓ 95
53) m,p-Xylene	10.35	106	114677	24.19 ppb	✓ 91
54) o-Xylene	10.71	106	38682	8.08 ppb	✓ 98
64) 1,3,5-Trimethylbenzene	11.48	105	13802	1.28 ppb	✓ 99
68) 1,2,4-Trimethylbenzene	11.82	105	37502	3.70 ppb	✓ 97

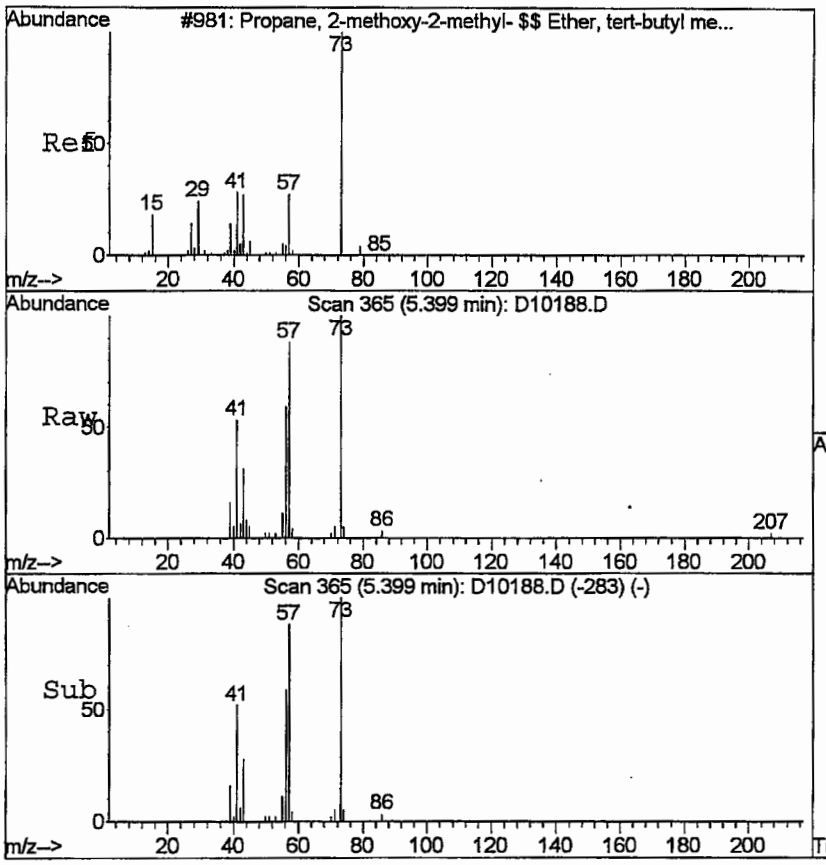
(#) = qualifier out of range (m) = manual integration (+) = signals summed
D10188.D 060705S.M Tue Jun 28 09:59:55 2005 HPV4 Page 1
TW 6/28/05

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10188.D Vial: 18
Acq On : 27 Jun 2005 17:49 Operator: TWK SOP525r1
Sample : 0506217-11 10X Inst : HPV-4
Misc : 5mL heated water (500uL) Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 9:04 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration

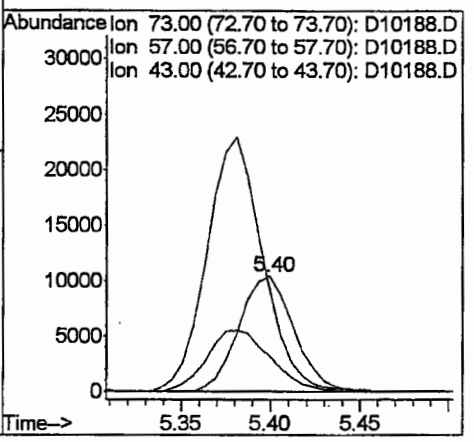


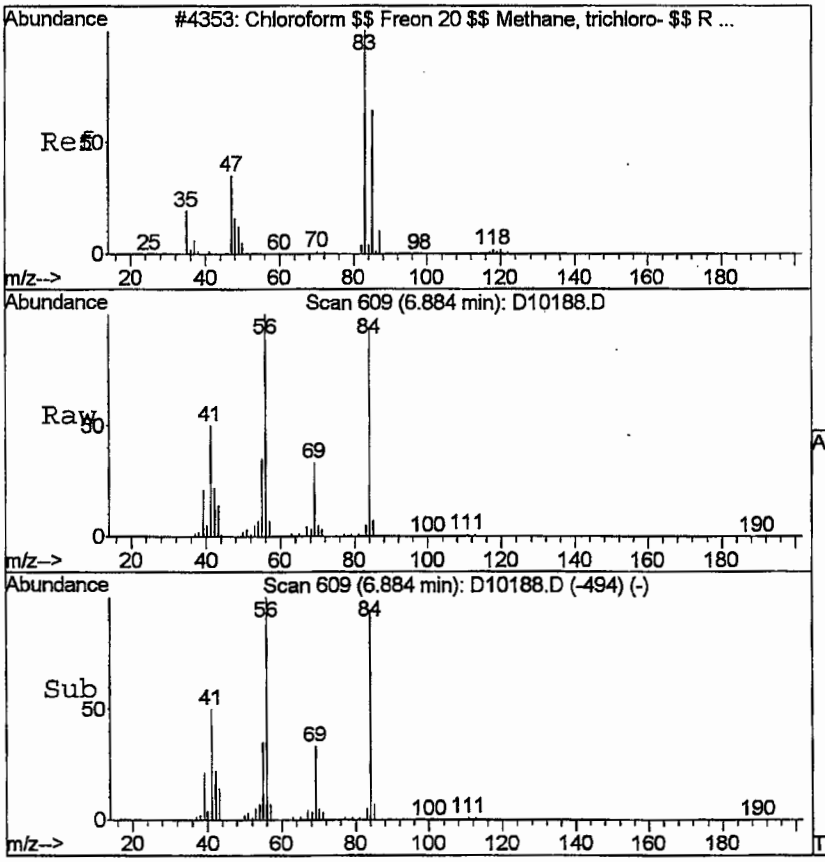


#15
Methyl-t-butyl ether NO
Concen: 3.19 ppb
RT: 5.40 min Scan# 365
Delta R.T. 0.00 min
Lab File: D10188.D
Acq: 27 Jun 2005 17:49

Tgt Ion: 73 Resp: 22215

Ion	Ratio	Lower	Upper
73	100		
57	58.6	17.5	26.3#
43	23.6	15.2	22.8#

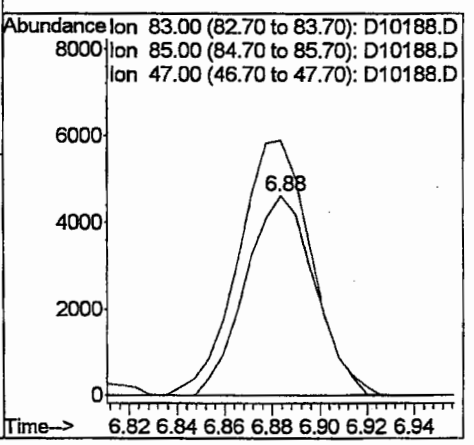


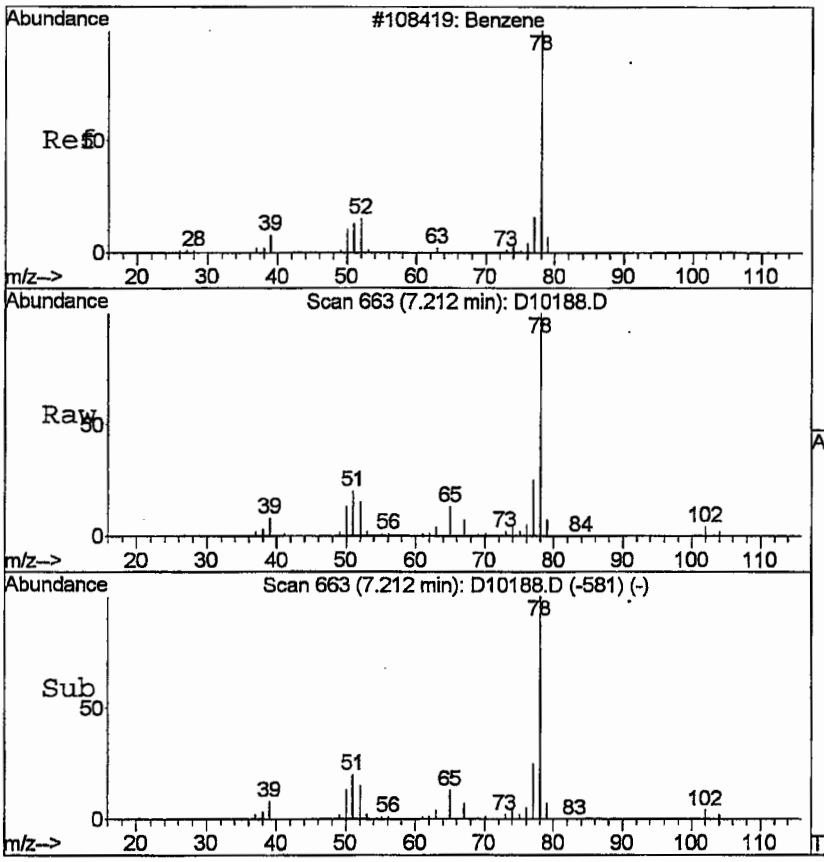


#24
Chloroform NO
Concen: 1.98 ppb
RT: 6.88 min Scan# 609
Delta R.T. 0.20 min
Lab File: D10188.D
Acq: 27 Jun 2005 17:49

Tgt Ion: 83 Resp: 9333

Ion	Ratio	Lower	Upper
83	100		
85	121.4	52.6	79.0#
47	0.0	18.9	28.3#

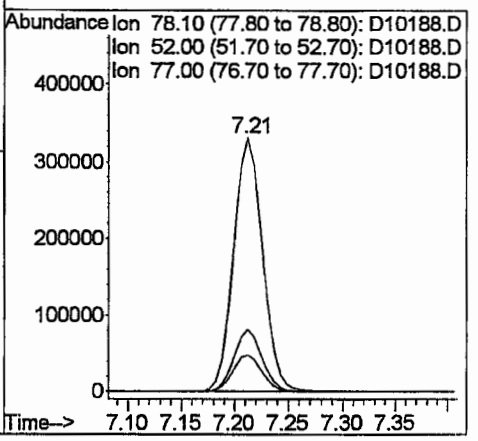


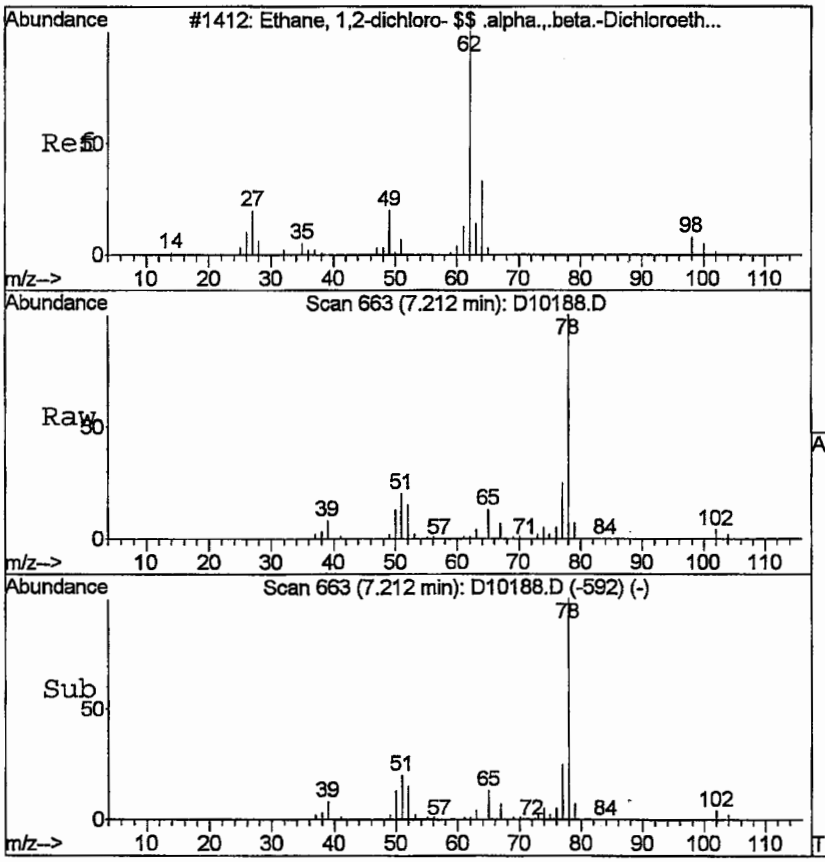


#30
Benzene
Concen: 55.30 ppb
RT: 7.21 min Scan# 663
Delta R.T. 0.00 min
Lab File: D10188.D
Acq: 27 Jun 2005 17:49

Tgt Ion: 78 Resp: 631398

Ion	Ratio	Lower	Upper
78	100		
52	14.7	12.9	19.3
77	24.7	19.7	29.5

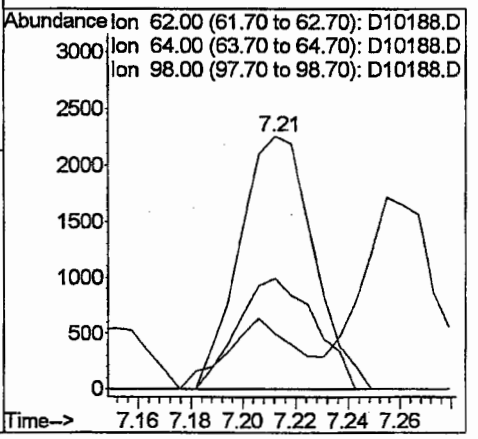


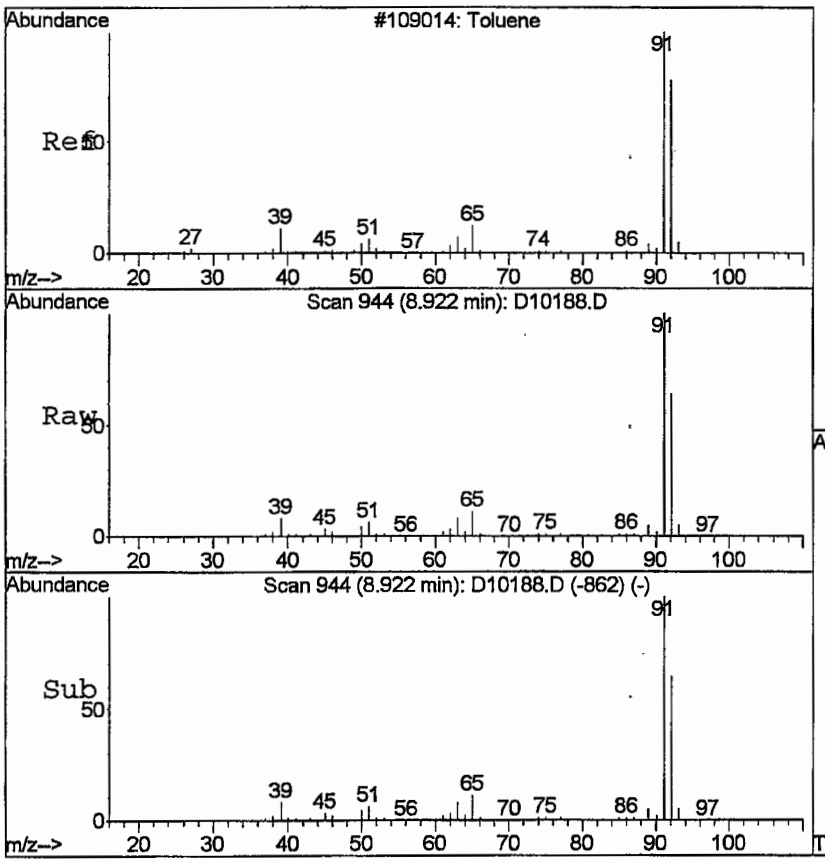


#31
1,2-Dichloroethane
Concen: 1.58 ppb
RT: 7.21 min Scan# 663
Delta R.T. -0.07 min
Lab File: D10188.D
Acq: 27 Jun 2005 17:49

Tgt Ion: 62 Resp: 4408

Ion	Ratio	Lower	Upper
62	100		
64	44.0	27.0	40.6#
98	0.0	7.9	11.9#

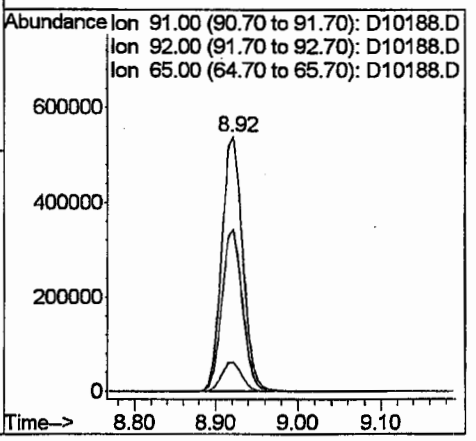


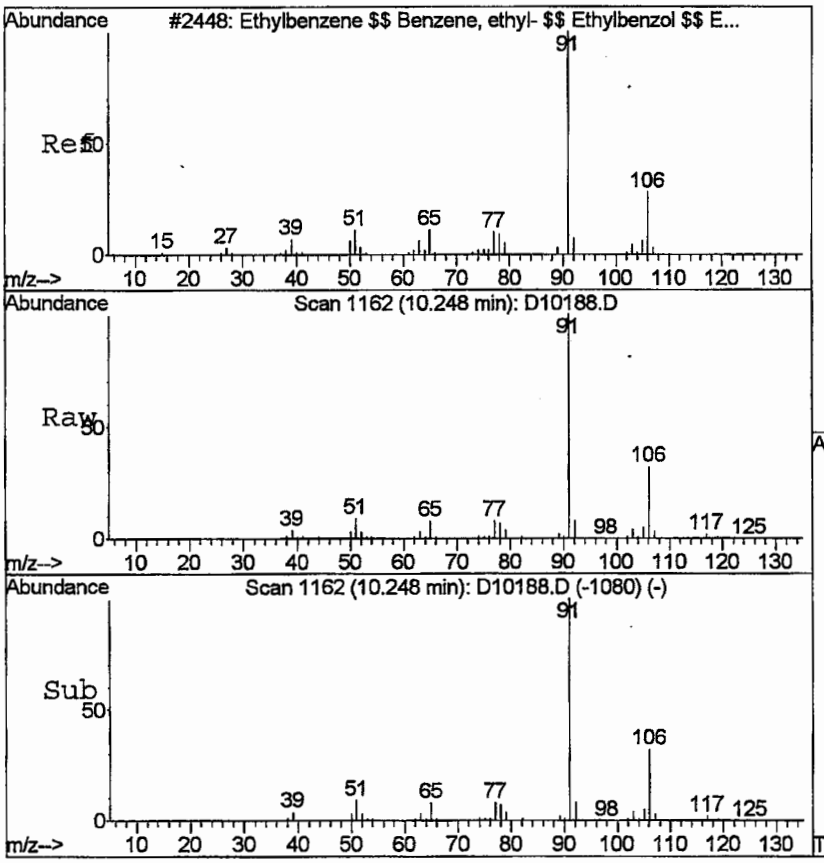


#40
Toluene
Concen: 84.53 ppb
RT: 8.92 min Scan# 944
Delta R.T. 0.00 min
Lab File: D10188.D
Acq: 27 Jun 2005 17:49

Tgt Ion: 91 Resp: 969229

Ion	Ratio	Lower	Upper
91	100		
92	63.7	50.0	75.0
65	11.5	9.7	14.5

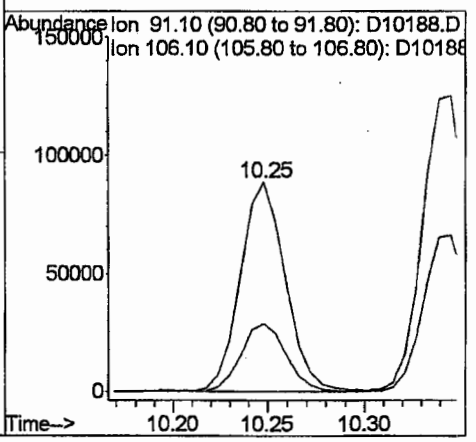


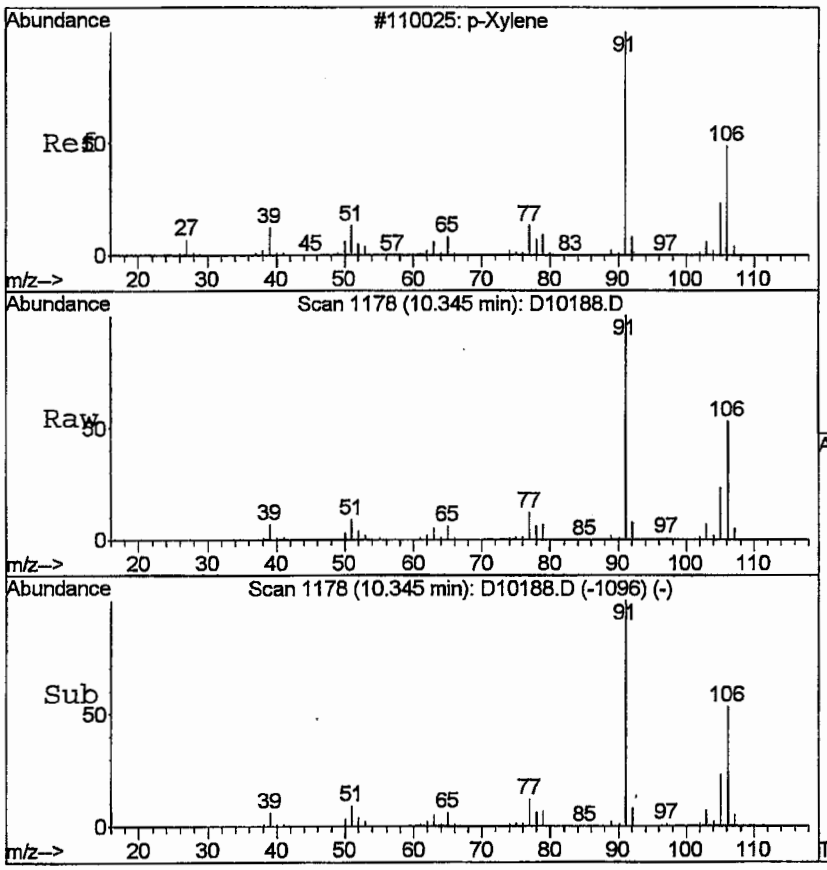


#51
Ethylbenzene
Concen: 11.87 ppb
RT: 10.25 min Scan# 1162
Delta R.T. 0.00 min
Lab File: D10188.D
Acq: 27 Jun 2005 17:49

Tgt Ion: 91 Resp: 144943

Ion	Ratio	Lower	Upper
91	100		
106	32.4	28.2	42.2

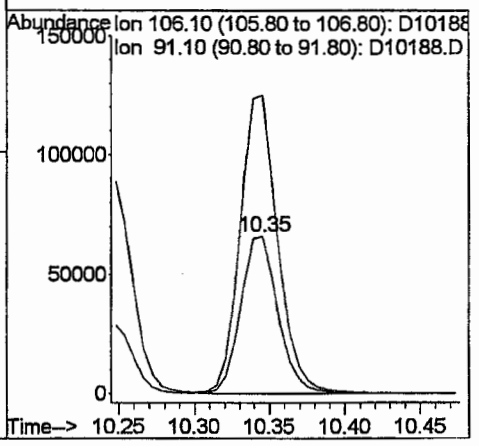


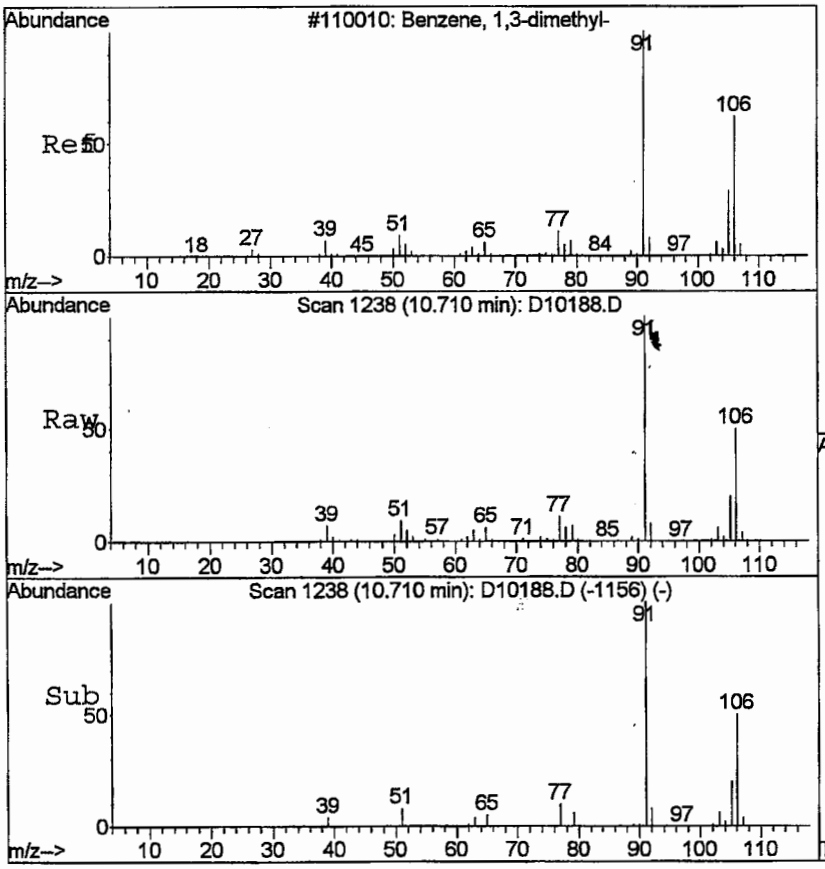


#53
m,p-Xylene
Concen: 24.19 ppb
RT: 10.35 min Scan# 1178
Delta R.T. 0.00 min
Lab File: D10188.D
Acq: 27 Jun 2005 17:49

Tgt Ion:106 Resp: 114677

Ion	Ratio	Lower	Upper
106	100		
91	189.7	141.4	212.0

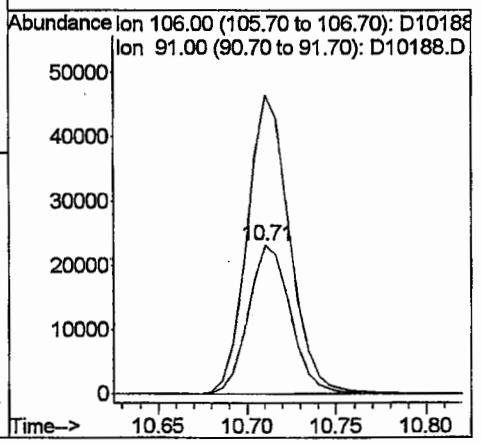


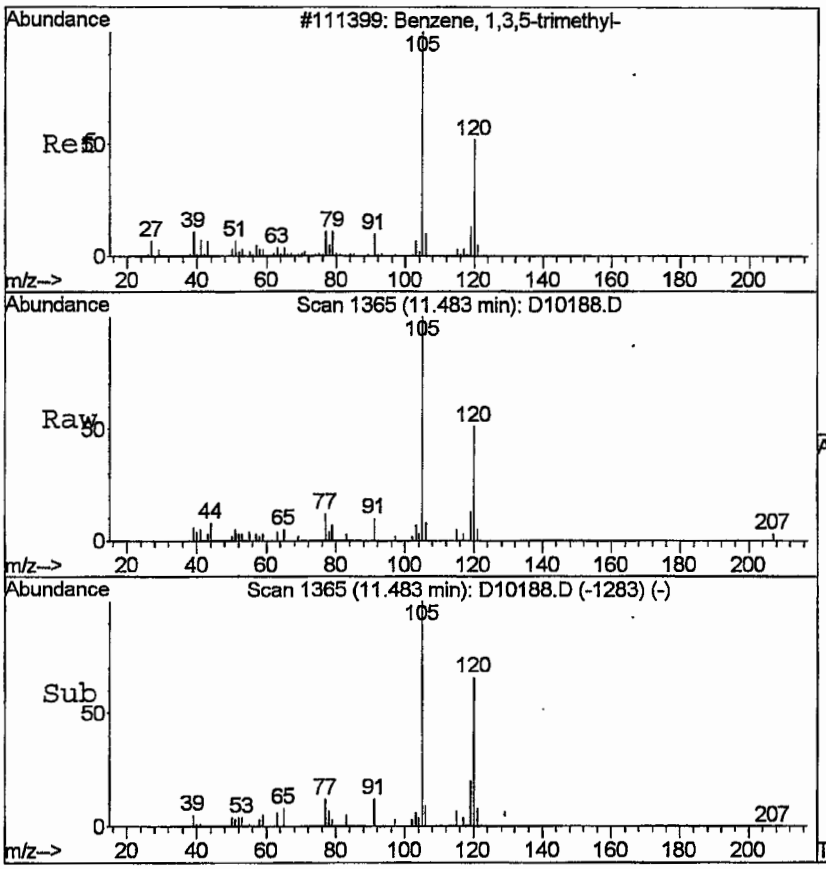


#54
o-Xylene
Concen: 8.08 ppb
RT: 10.71 min Scan# 1238
Delta R.T. 0.00 min
Lab File: D10188.D
Acq: 27 Jun 2005 17:49

Tgt Ion:106 Resp: 38682

Ion	Ratio	Lower	Upper
106	100		
91	201.2	158.2	237.4

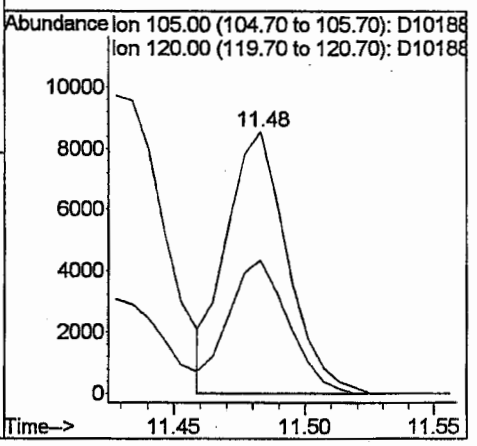


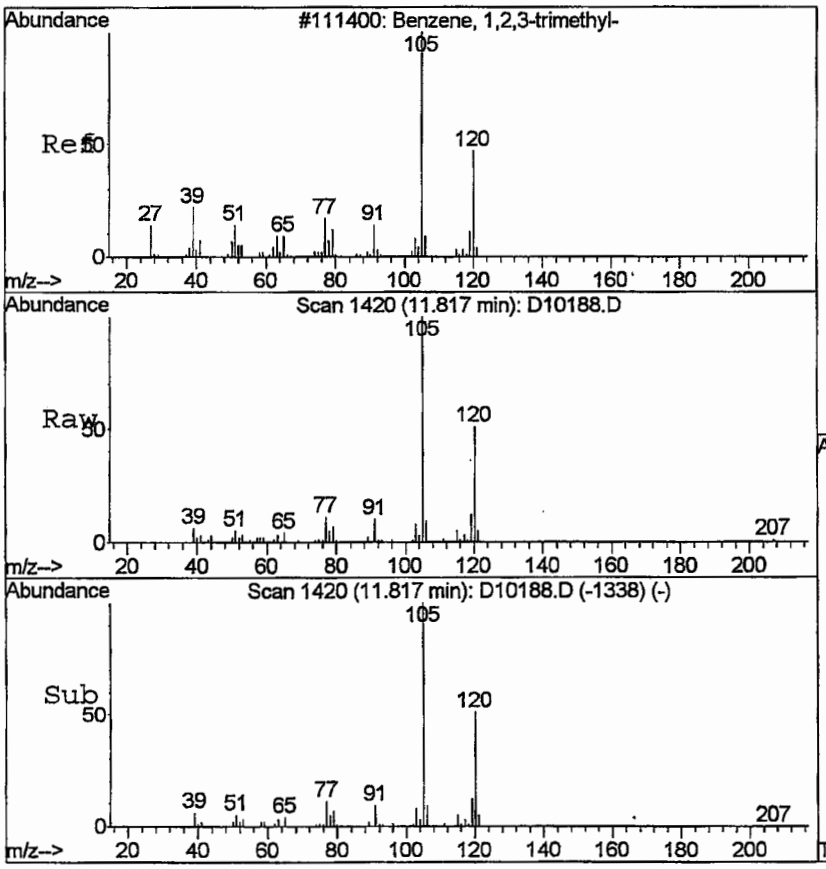


#64
1,3,5-Trimethylbenzene
Concen: 1.28 ppb
RT: 11.48 min Scan# 1365
Delta R.T. 0.00 min
Lab File: D10188.D
Acq: 27 Jun 2005 17:49

Tgt Ion:105 Resp: 13802

Ion	Ratio	Lower	Upper
105	100		
120	52.8	42.8	64.2

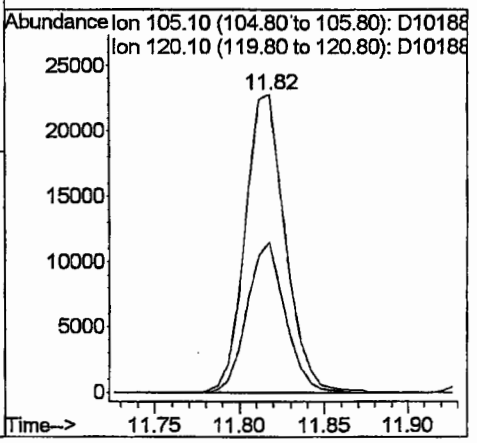




#68
1,2,4-Trimethylbenzene
Concen: 3.70 ppb
RT: 11.82 min Scan# 1420
Delta R.T. 0.00 min
Lab File: D10188.D
Acq: 27 Jun 2005 17:49

Tgt Ion:105 Resp: 37502

Ion	Ratio	Lower	Upper
105	100		
120	50.5	39.0	58.4



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10205.D Vial: 8
Acq On : 28 Jun 2005 12:39 Operator: TWK SOP525r10
Sample : VL050628-4MB Inst : HPV-4
Misc : 5mL heated water, method blank Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 29 11:29:14 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Wed Jun 29 11:20:50 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	532481	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	184462	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.18	152	165906	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	121376	52.30 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	104.60%	
29) 1,2-Dichloroethane-d4	7.21	65	105653	48.85 ppb	0.00
Spiked Amount 50.000			Recovery =	97.70%	
39) Toluene-d8	8.85	98	454060	52.59 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery =	105.18%	
59) 4-Bromofluorobenzene	11.21	95	158449	55.42 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	110.84%	
Target Compounds					Qvalue
11) Acetone	4.86	58	527	Below Cal	# 4
14) Methylene chloride	5.27	84	25789	8.88 ppb	✓ 97
56) Bromoform	10.97	173	136	4.75 ppb	# NO 32

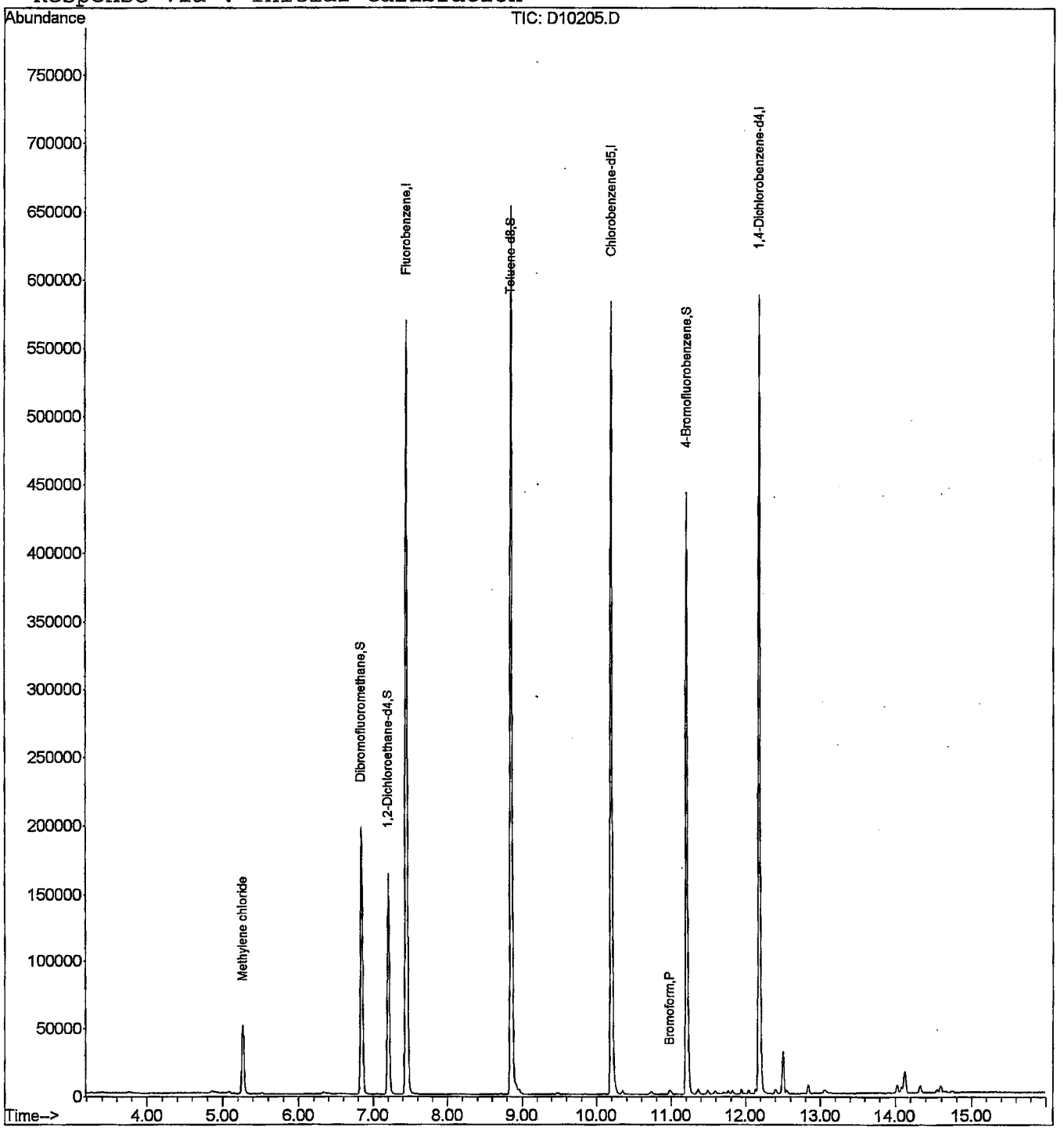
(#) = qualifier out of range (m) = manual integration (+) = signals summed

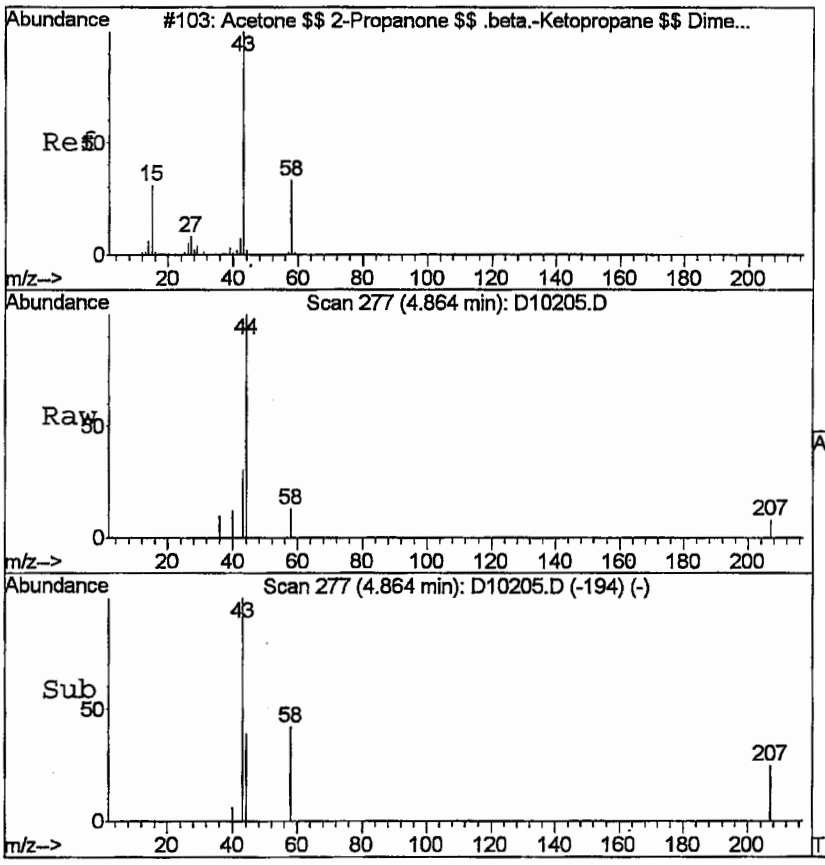
Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10205.D
Acq On : 28 Jun 2005 12:39
Sample : VL050628-4MB
Misc : 5mL heated water, method blank
MS Integration Params: ETTICS.P
Quant Time: Jun 29 11:29 2005

Vial: 8
Operator: TWK SOP525r1
Inst : HPV-4
Multiplr: 1.00
Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Wed Jun 29 11:20:50 2005
Response via : Initial Calibration

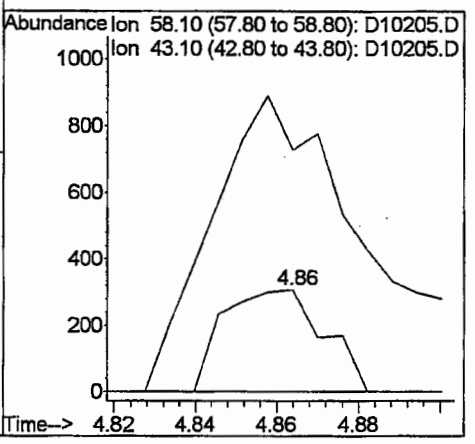


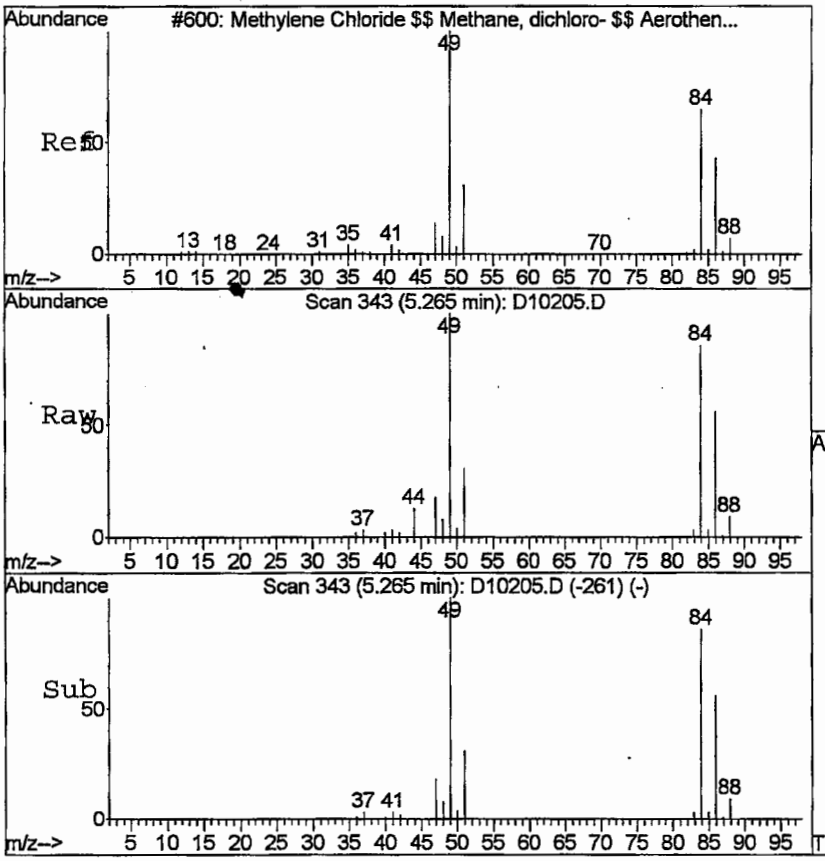


#11
Acetone
Concen: Below Cal
RT: 4.86 min Scan# 277
Delta R.T. 0.01 min
Lab File: D10205.D
Acq: 28 Jun 2005 12:39

Tgt Ion: 58 Resp: 527

Ion	Ratio	Lower	Upper
58	100		
43	104.6	230.7	346.1#

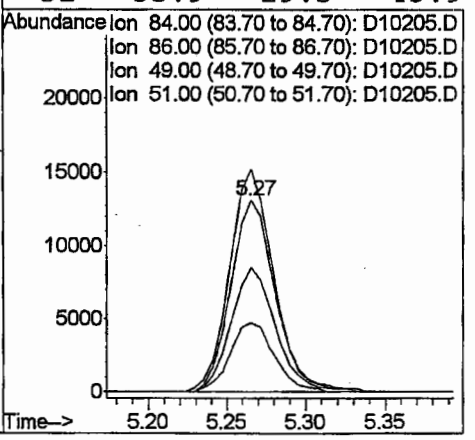


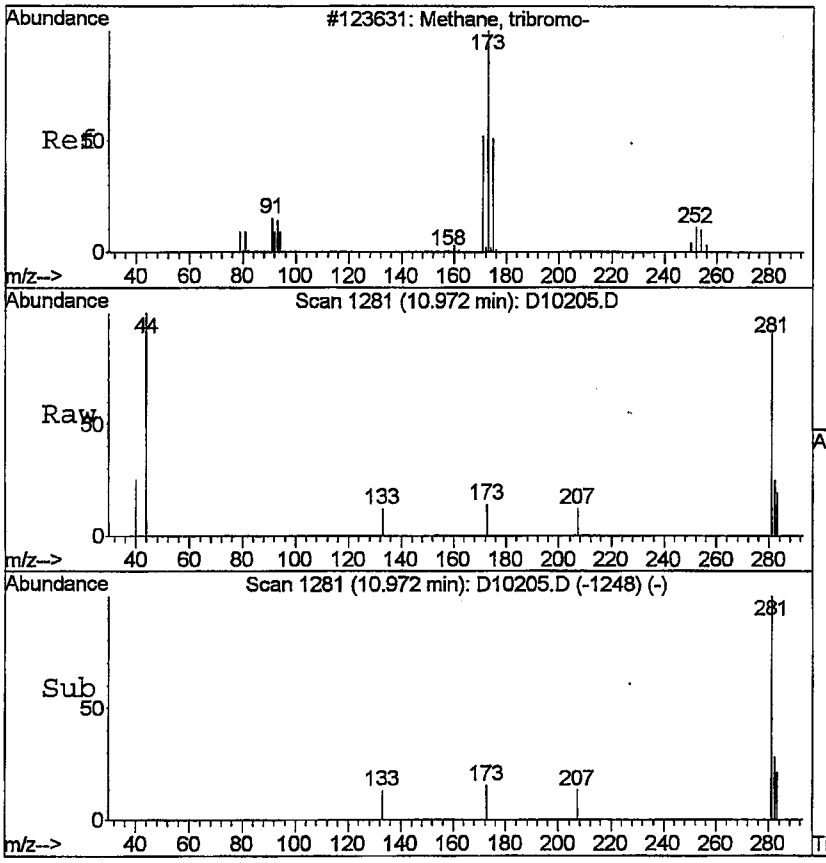


#14
Methylene chloride
Concen: 8.88 ppb
RT: 5.27 min Scan# 343
Delta R.T. 0.00 min
Lab File: D10205.D
Acq: 28 Jun 2005 12:39

Tgt Ion: 84 Resp: 25789

Ion	Ratio	Lower	Upper
84	100		
86	65.0	51.7	77.5
49	115.1	96.4	144.6
51	35.9	29.3	43.9



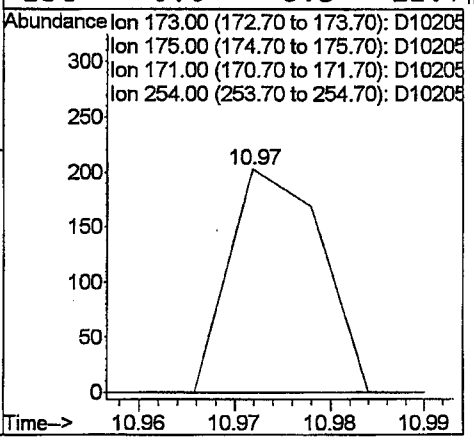


#56
Bromoform
Concen: 4.75 ppb
RT: 10.97 min Scan# 1281
Delta R.T. 0.00 min
Lab File: D10205.D
Acq: 28 Jun 2005 12:39

NO

Tgt Ion:173 Resp: 136

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.0	58.4#
171	0.0	41.0	61.4#
254	0.0	8.5	12.7#



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10209.D Vial: 12
Acq On : 28 Jun 2005 14:10 Operator: TWK SOP525r10
Sample : 0506217-10 Inst : HPV-4
Misc : 5mL heated water, HS>pea m 6/29/05 Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 15:03:41 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	7.45	96	520082	50.00	ppb	0.00
48) Chlorobenzene-d5	10.20	82	190446	50.00	ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.18	152	173175	50.00	ppb	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	6.84	113	111939	49.38	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 98.76%			
29) 1,2-Dichloroethane-d4	7.21	65	94919	44.94	ppb	0.00
Spiked Amount 50.000			Recovery = 89.88%			
39) Toluene-d8	8.85	98	451767	53.57	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 107.14%			
59) 4-Bromofluorobenzene	11.20	95	159359	53.40	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.80%			

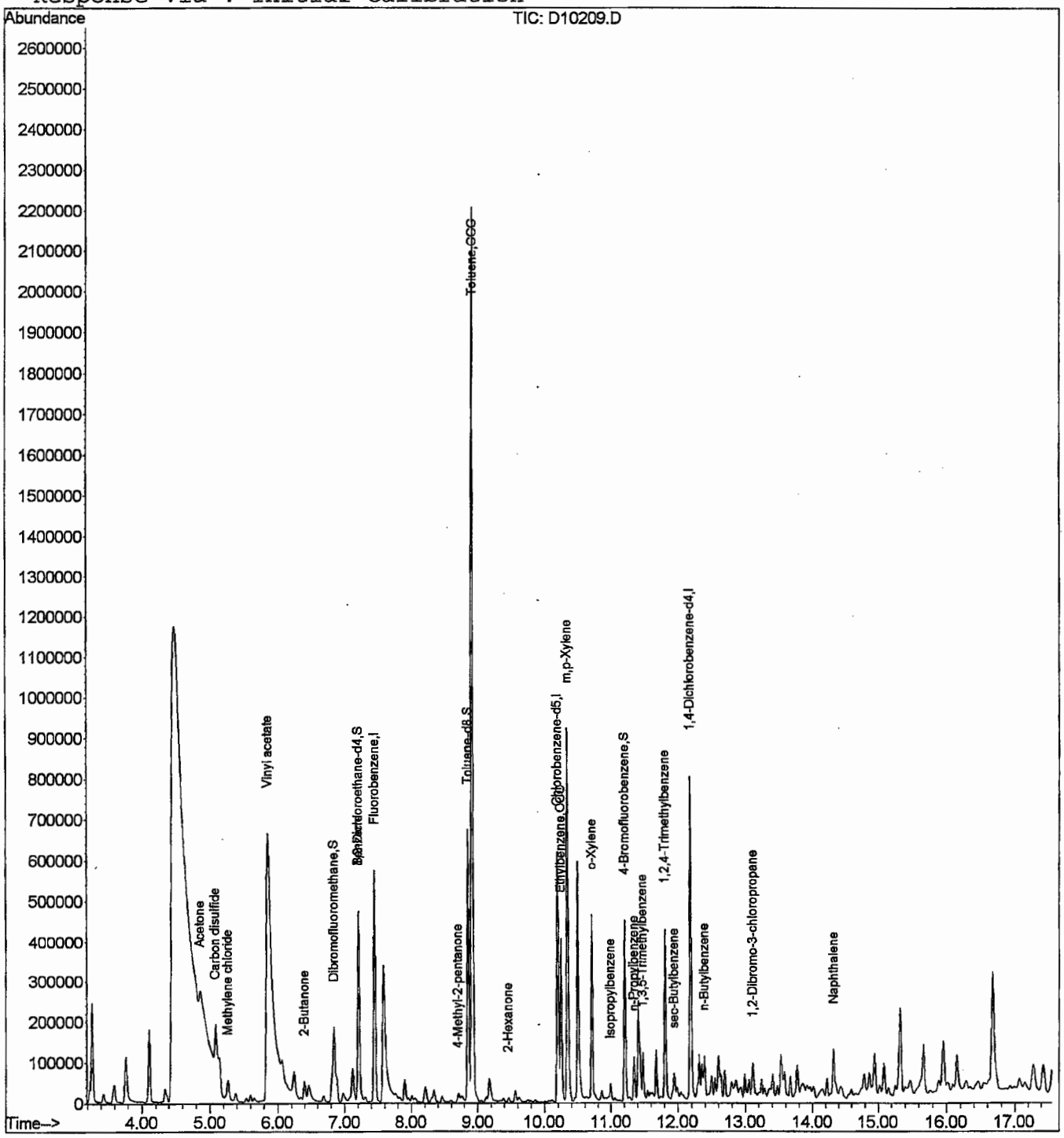
Target Compounds						Qvalue
11) Acetone	4.86	58	51557	363.41	ppb	89
13) Carbon disulfide	5.09	76	152901	17.52	ppb	98
14) Methylene chloride	5.27	84	20548	6.95	ppb	(B) 97
18) Vinyl acetate	5.86	43	226183	56.36	ppb	#NO 74
20) 2-Butanone	6.40	43	59147	70.88	ppb	95
30) Benzene	7.21	78	328255	31.16	ppb	97
38) 4-Methyl-2-pentanone	8.71	43	9458	5.65	ppb	#NO 70
40) Toluene	8.92	91	1645636	155.58	ppb	95
44) 2-Hexanone	9.46	43	6751	5.92	ppb	92
51) Ethylbenzene	10.25	91	289716	25.80	ppb	98
53) m,p-Xylene	10.34	106	299694	68.76	ppb	94
54) o-Xylene	10.71	106	134150	30.47	ppb	98
57) Isopropylbenzene	11.00	105	23092	2.05	ppb	97
61) n-Propylbenzene	11.34	91	63641	4.60	ppb	94
64) 1,3,5-Trimethylbenzene	11.48	105	56702	5.97	ppb	100
68) 1,2,4-Trimethylbenzene	11.81	105	230654	25.79	ppb	99
69) sec-Butylbenzene	11.95	105	21610	1.78	ppb	# 85
73) n-Butylbenzene	12.39	91	20224	2.11	ppb	# 75
75) 1,2-Dibromo-3-chloropropan	13.11	75	347	6.46	ppb	#NO 1
78) Naphthalene	14.32	128	99912	13.63	ppb	100

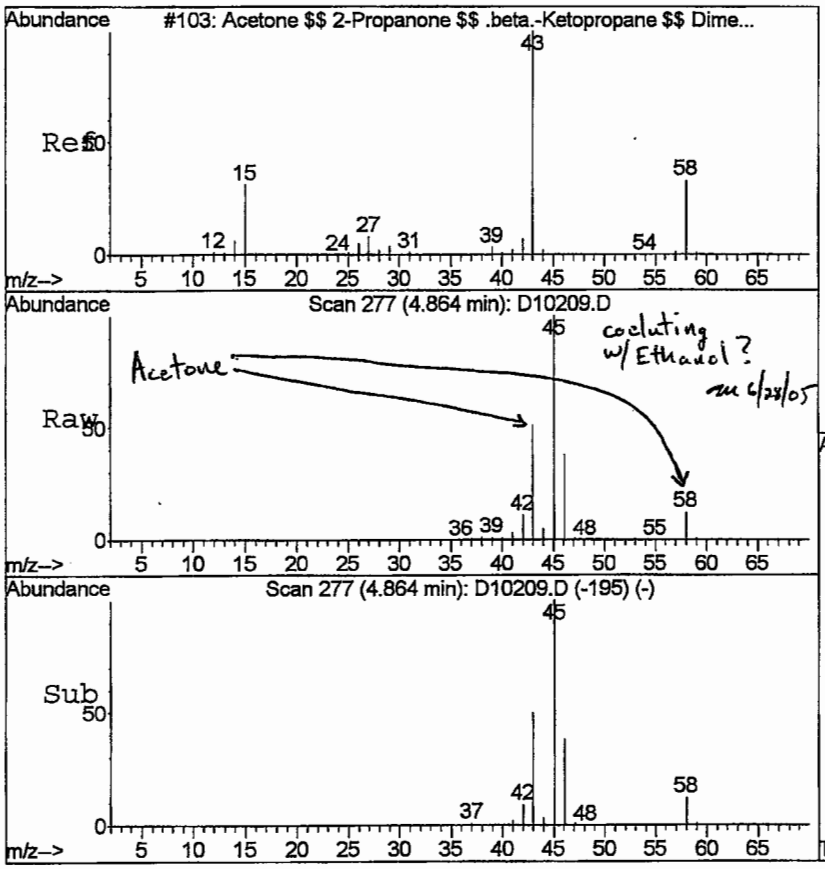
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10209.D Vial: 12
Acq On : 28 Jun 2005 14:10 Operator: TWK SOP525r1
Sample : 0506217-10 Inst : HPV-4
Misc : 5mL heated water Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 15:03 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration

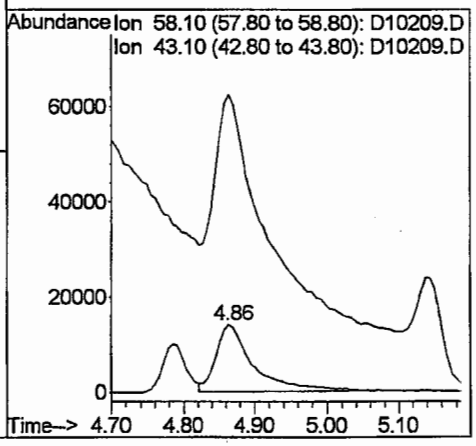


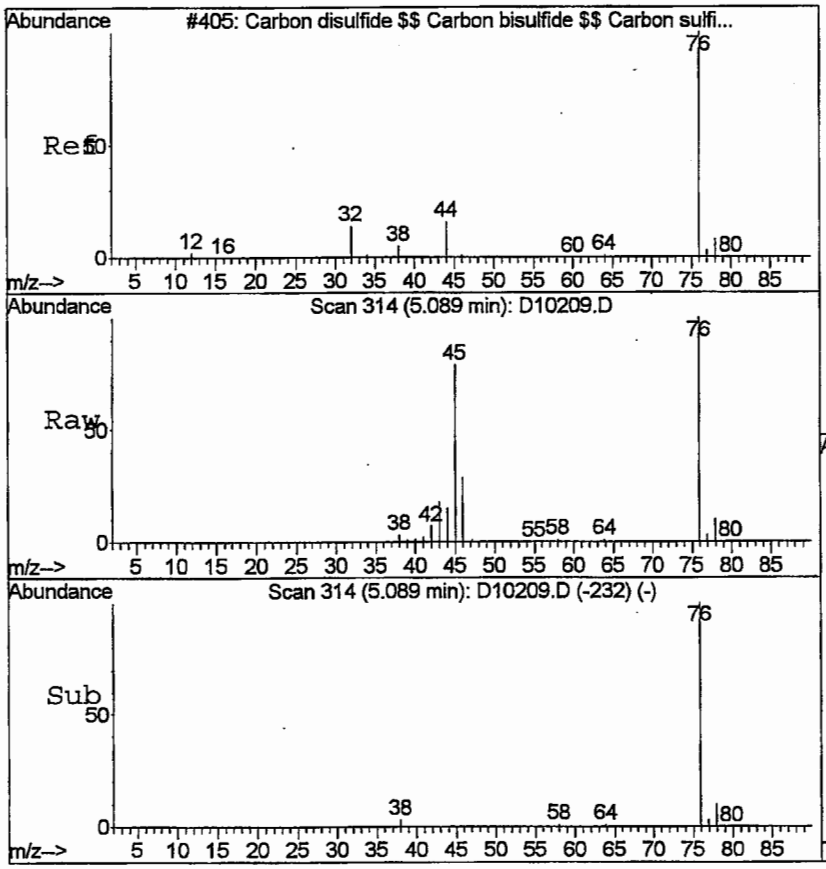


#11
Acetone
Concen: 363.41 ppb
RT: 4.86 min Scan# 277
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 58 Resp: 51557

Ion	Ratio	Lower	Upper
58	100		
43	310.4	230.7	346.1

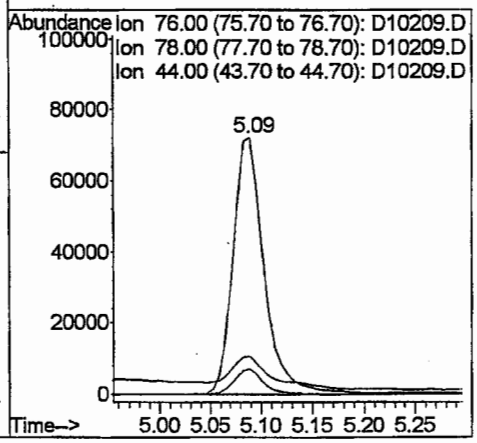


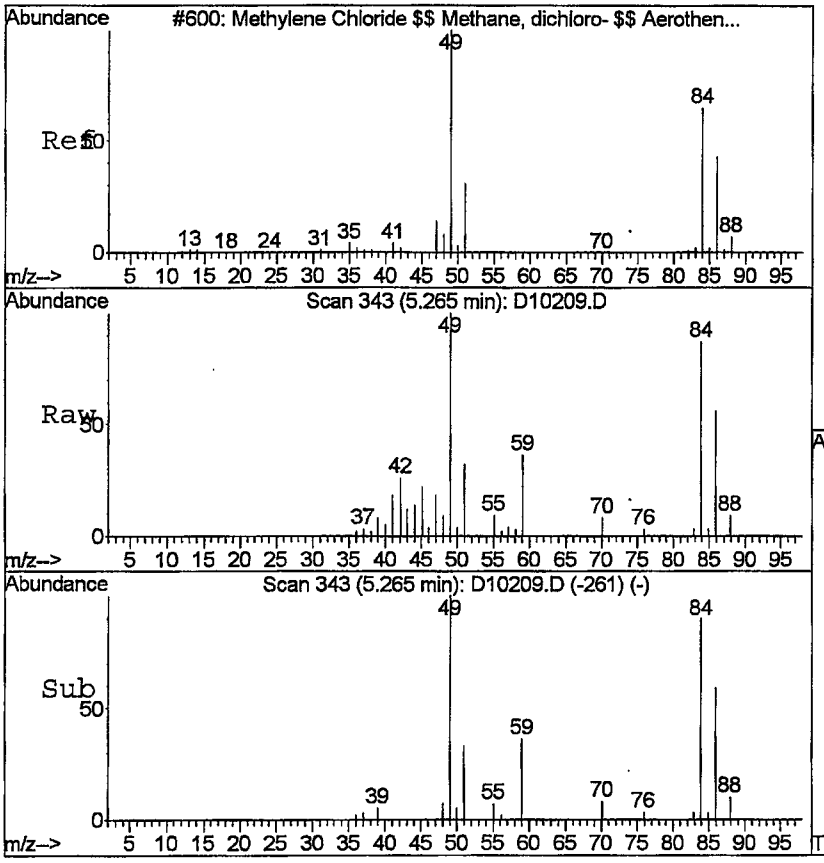


#13
Carbon disulfide
Concen: 17.52 ppb
RT: 5.09 min Scan# 314
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 76 Resp: 152901

Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.7	11.5
44	11.2	9.8	14.6

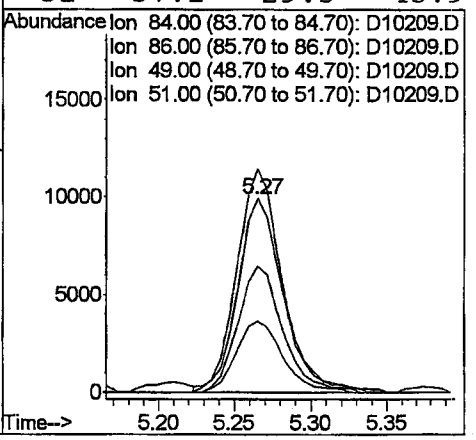


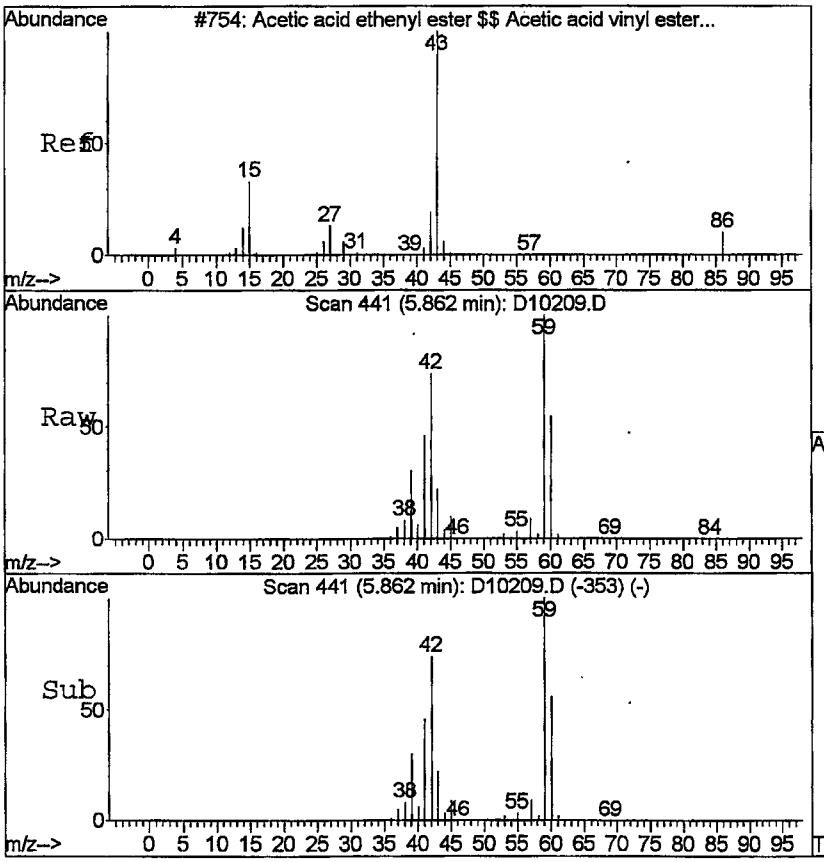


#14
Methylene chloride
Concen: 6.95 ppb
RT: 5.27 min Scan# 343
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 84 Resp: 20548

Ion	Ratio	Lower	Upper
84	100		
86	66.0	51.7	77.5
49	116.0	96.4	144.6
51	37.1	29.3	43.9

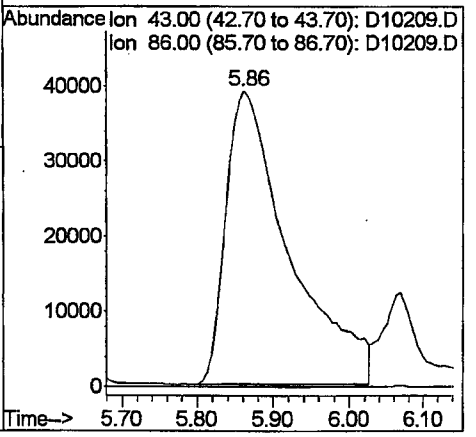


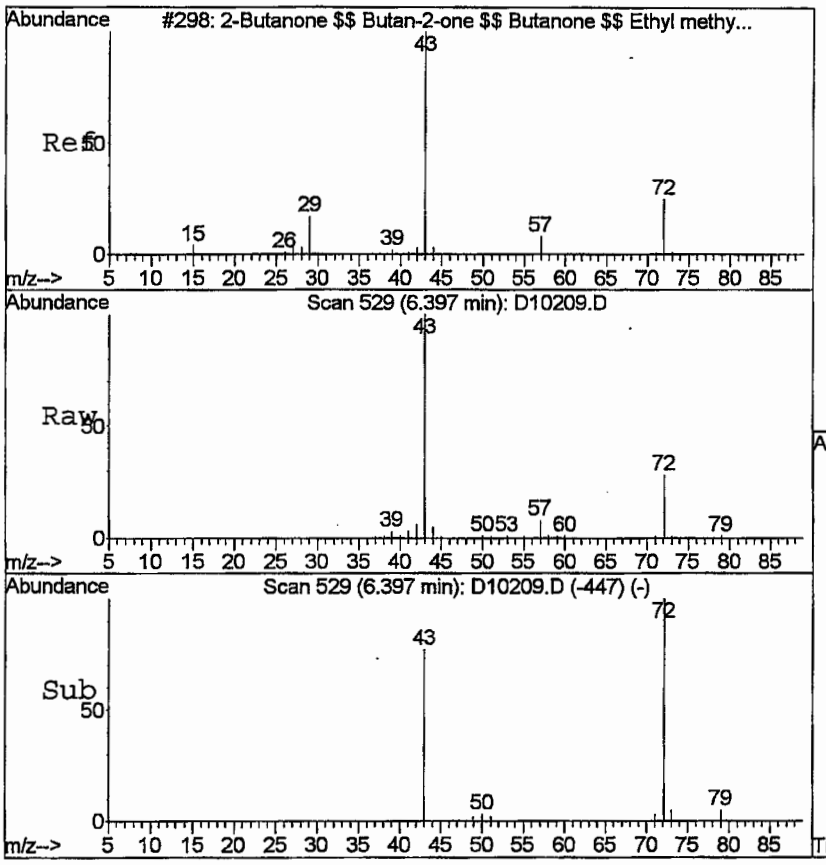


#18
Vinyl acetate
Concen: 56.36 ppb
RT: 5.86 min Scan# 441
Delta R.T. 0.04 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 43 Resp: 226183

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.7	11.5#

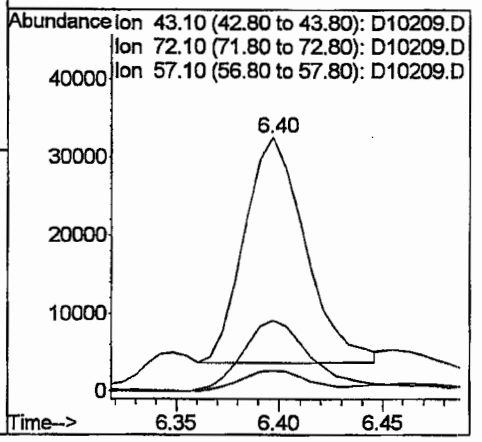


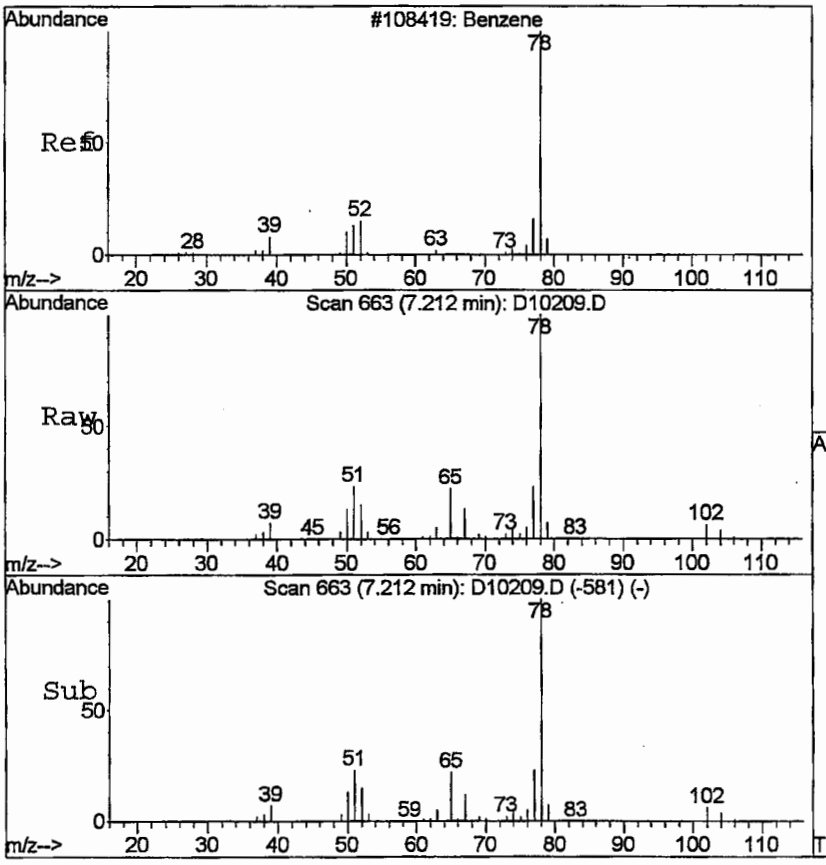


#20
2-Butanone
Concen: 70.88 ppb
RT: 6.40 min Scan# 529
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 43 Resp: 59147

Ion	Ratio	Lower	Upper
43	100		
72	30.0	21.5	32.3
57	7.8	6.3	9.5

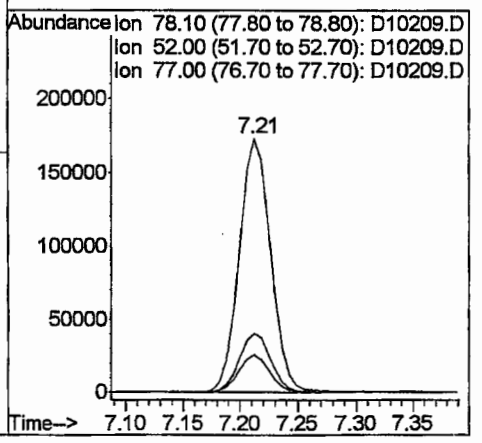


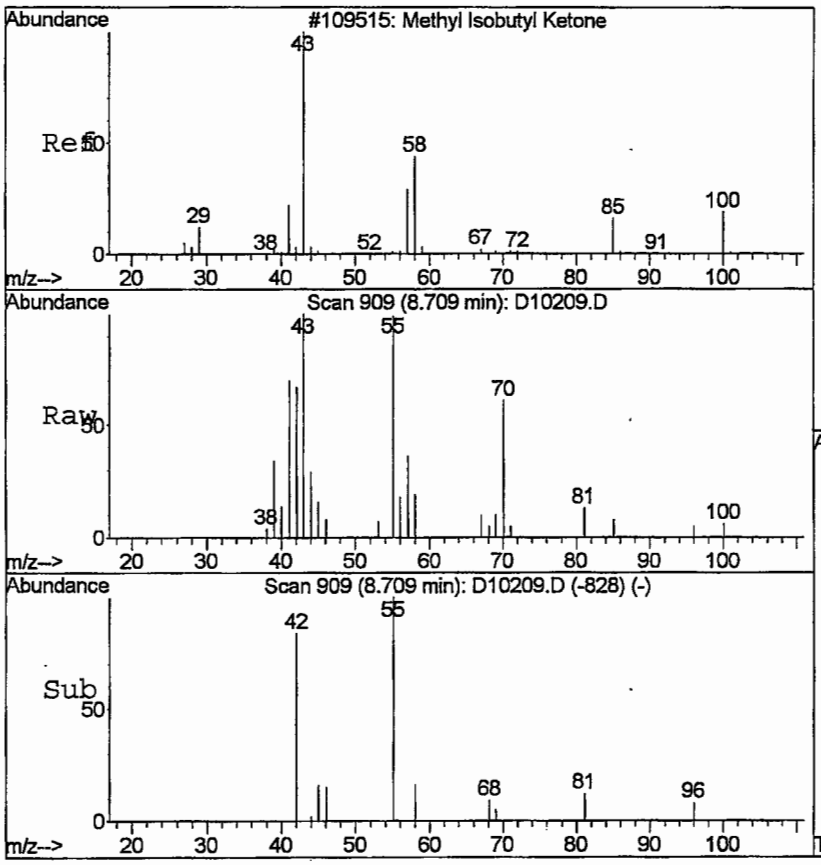


#30
Benzene
Concen: 31.16 ppb
RT: 7.21 min Scan# 663
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 78 Resp: 328255

Ion	Ratio	Lower	Upper
78	100		
52	14.9	12.9	19.3
77	23.3	19.7	29.5

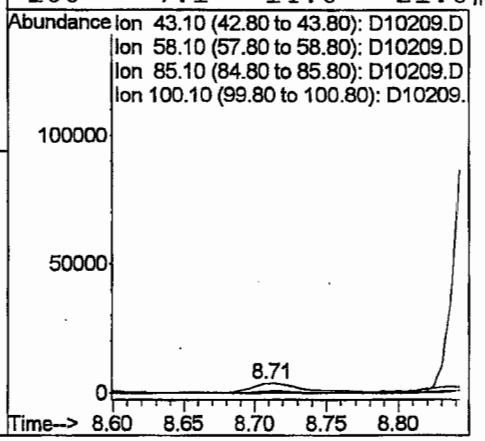


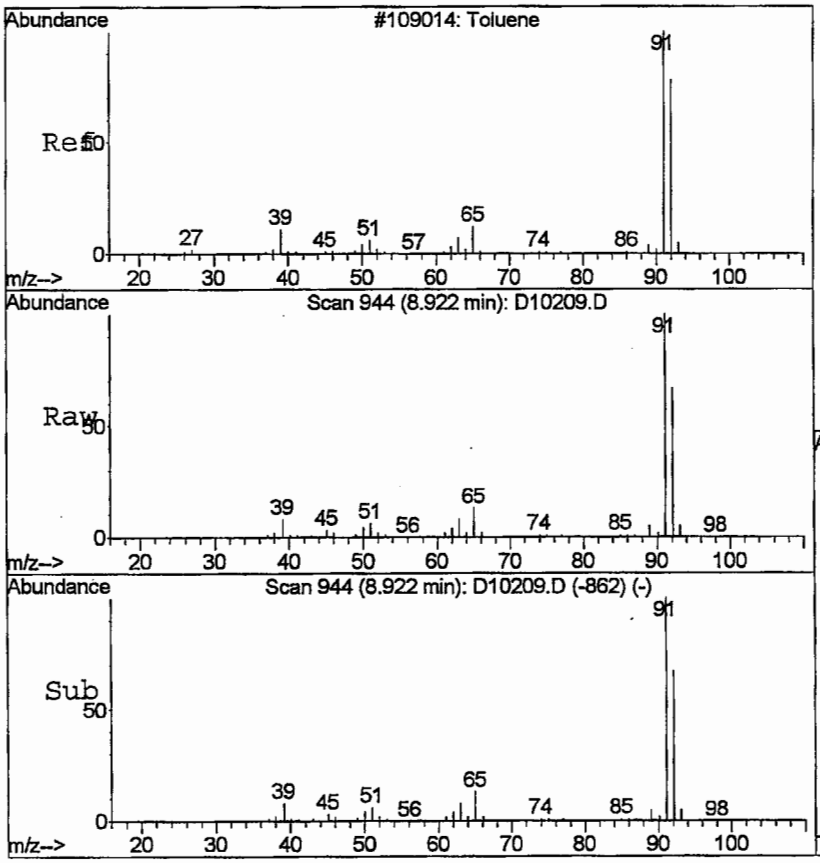


#38
4-Methyl-2-pentanone
Concen: 5.65 ppb
RT: 8.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 43 Resp: 9458

Ion	Ratio	Lower	Upper
43	100		
58	20.9	35.0	52.4#
85	8.4	16.1	24.1#
100	7.1	14.0	21.0#

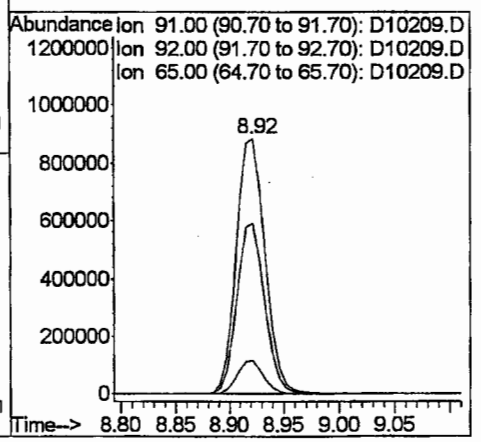


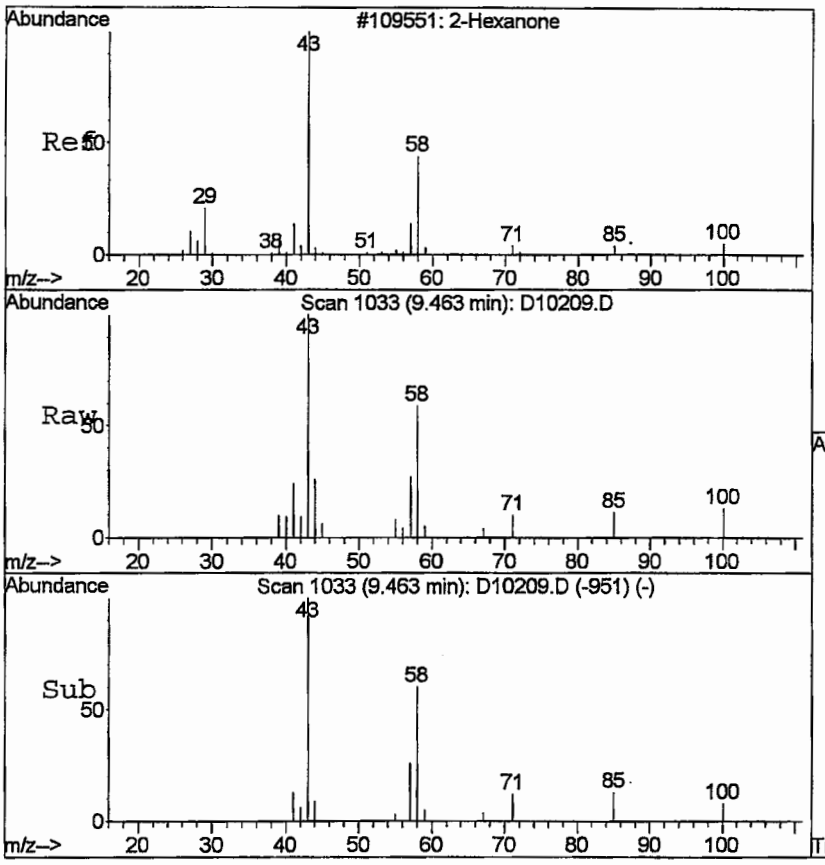


#40
Toluene
Concen: 155.58 ppb
RT: 8.92 min Scan# 944
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 91 Resp: 1645636

Ion	Ratio	Lower	Upper
91	100		
92	66.6	50.0	75.0
65	13.0	9.7	14.5

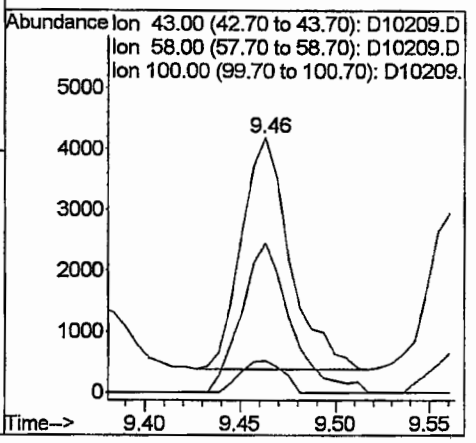


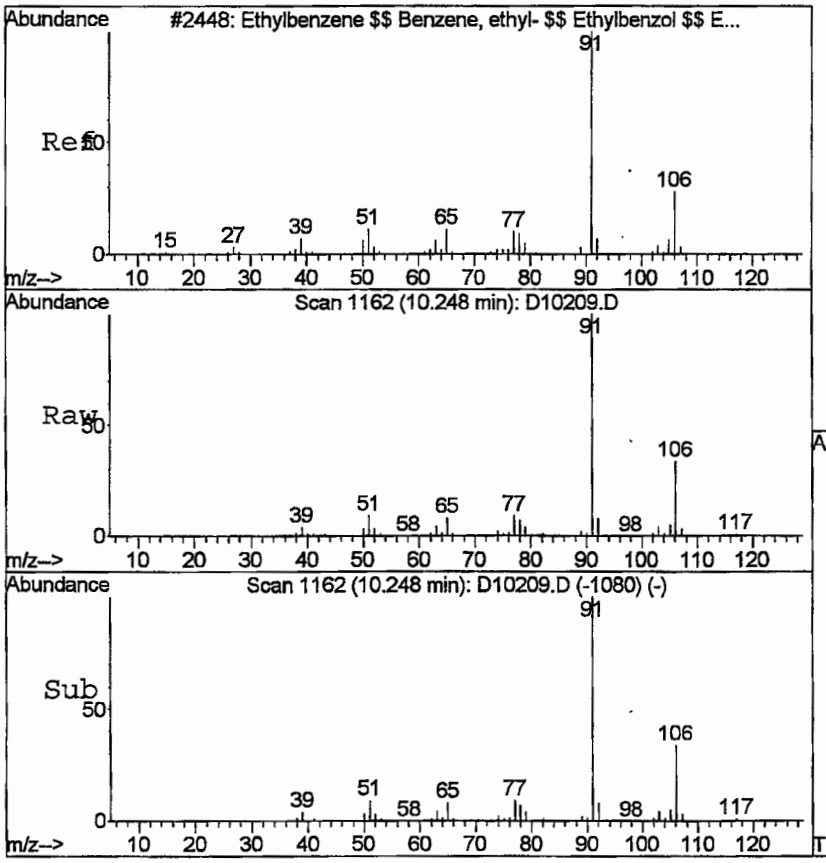


#44
2-Hexanone
Concen: 5.92 ppb
RT: 9.46 min Scan# 1033
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 43 Resp: 6751

Ion	Ratio	Lower	Upper
43	100		
58	64.5	45.9	68.9
100	13.8	10.2	15.2

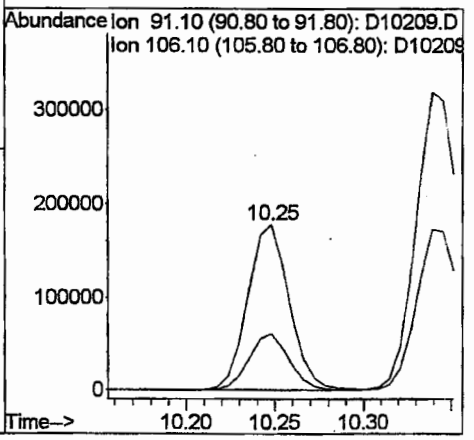


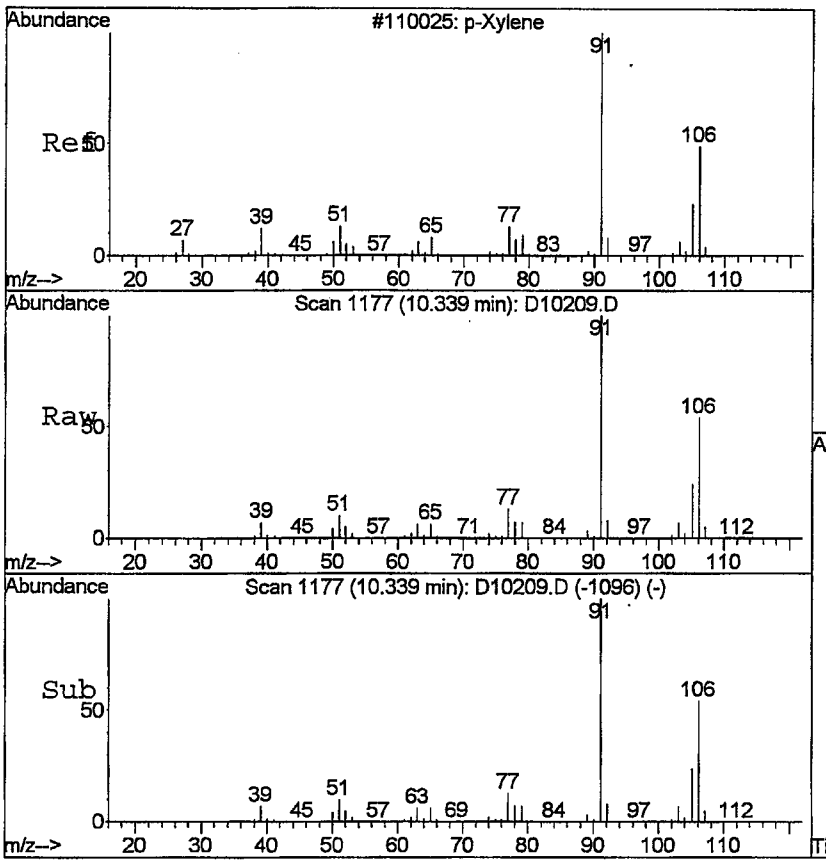


#51
Ethylbenzene
Concen: 25.80 ppb
RT: 10.25 min Scan# 1162
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 91 Resp: 289716

Ion	Ratio	Lower	Upper
91	100		
106	34.1	28.2	42.2

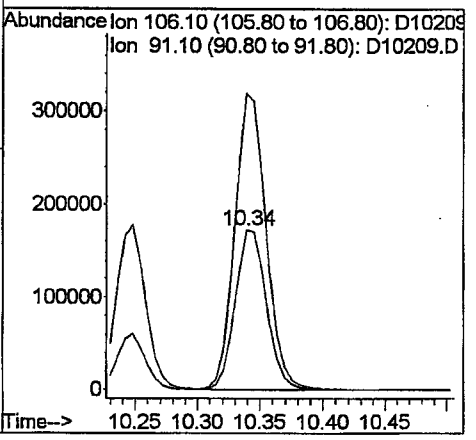


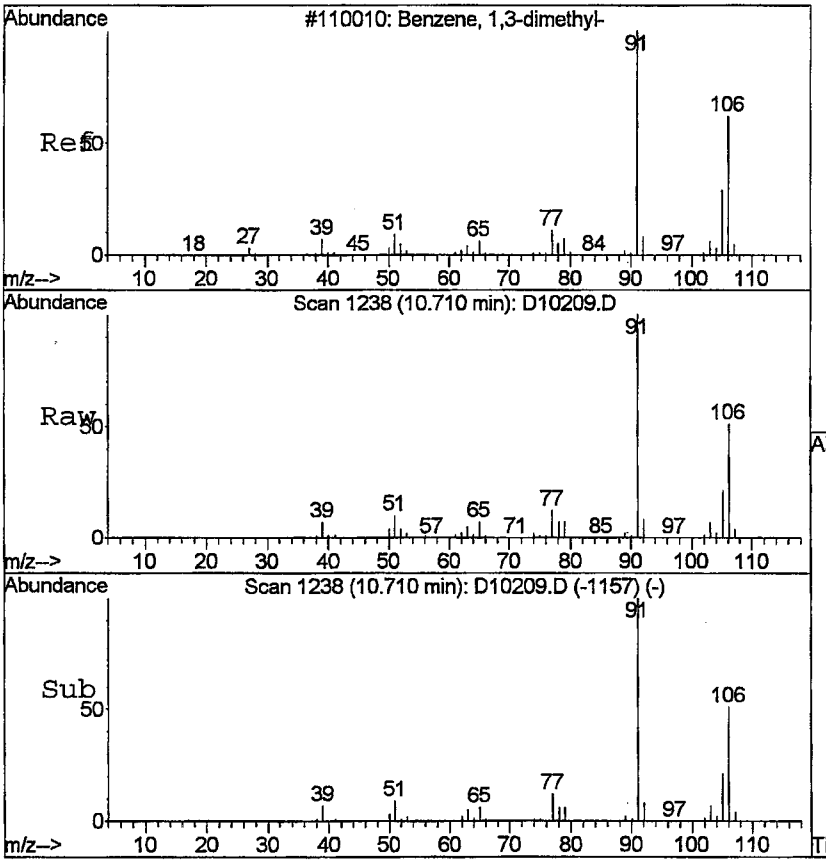


#53
m,p-Xylene
Concen: 68.76 ppb
RT: 10.34 min Scan# 1177
Delta R.T. -0.01 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion:106 Resp: 299694

Ion	Ratio	Lower	Upper
106	100		
91	185.1	141.4	212.0

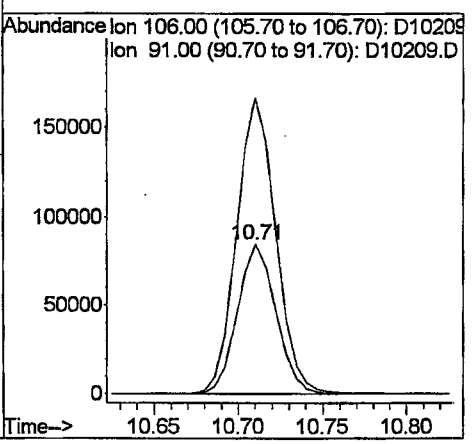


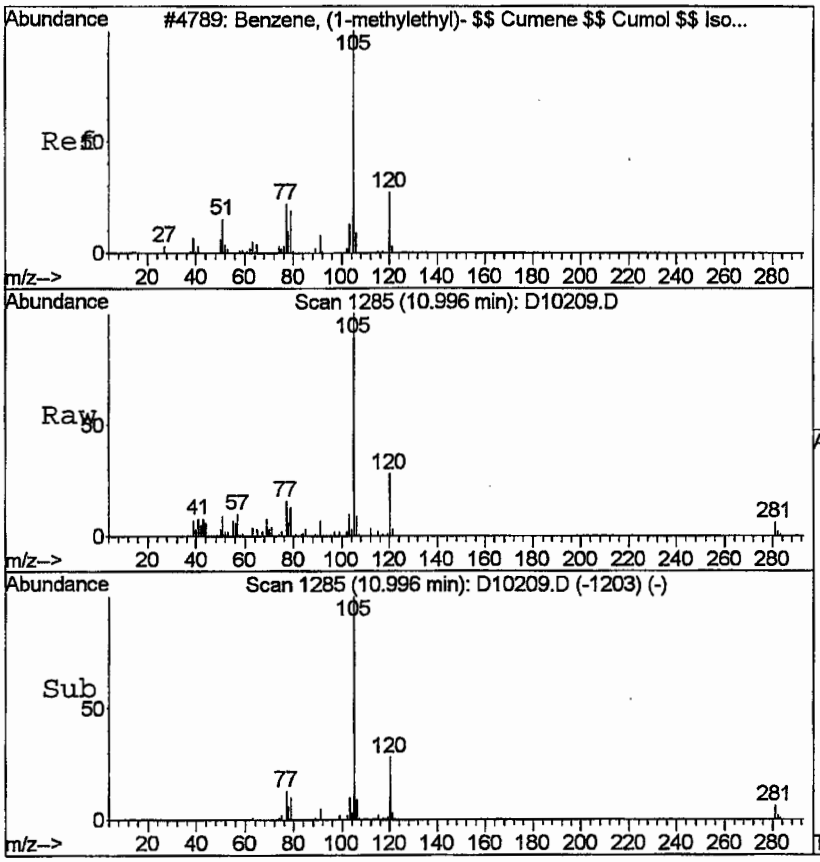


#54
o-Xylene
Concen: 30.47 ppb
RT: 10.71 min Scan# 1238
Delta R.T. -0.01 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion:106 Resp: 134150

Ion	Ratio	Lower	Upper
106	100		
91	200.6	158.2	237.4

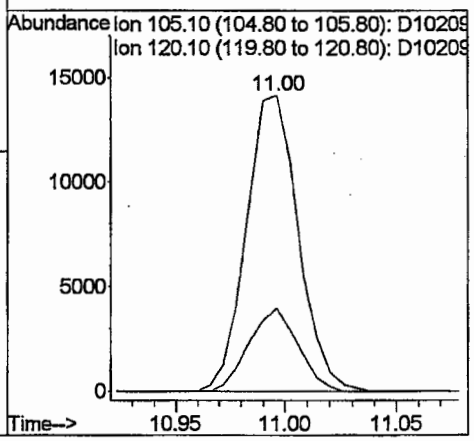


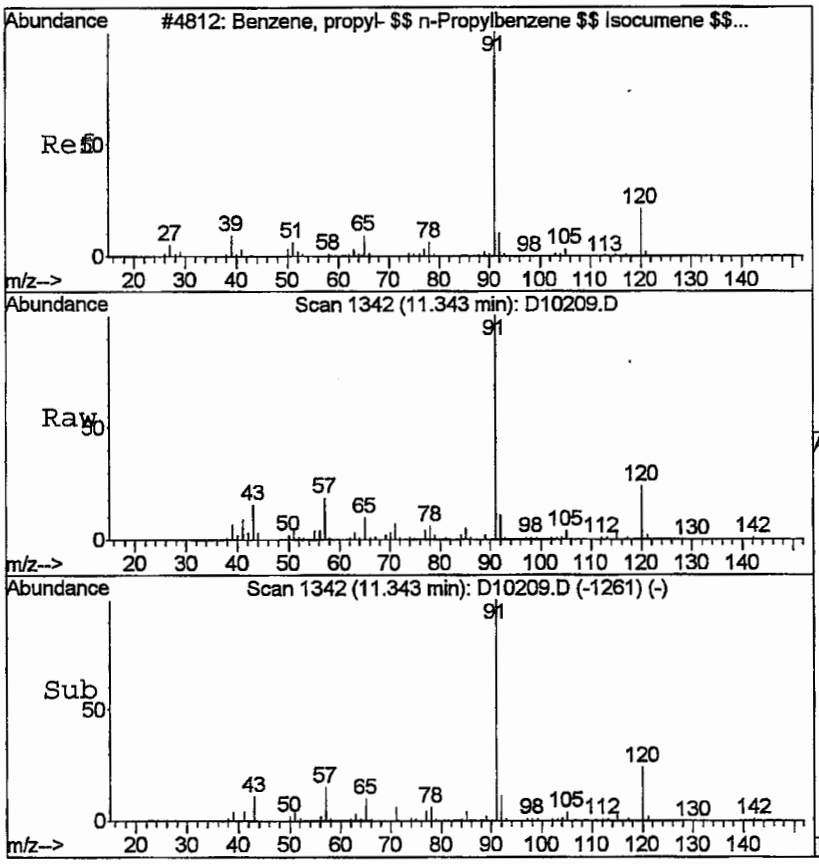


#57
Isopropylbenzene
Concen: 2.05 ppb
RT: 11.00 min Scan# 1285
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion:105 Resp: 23092

Ion	Ratio	Lower	Upper
105	100		
120	28.0	23.8	35.6

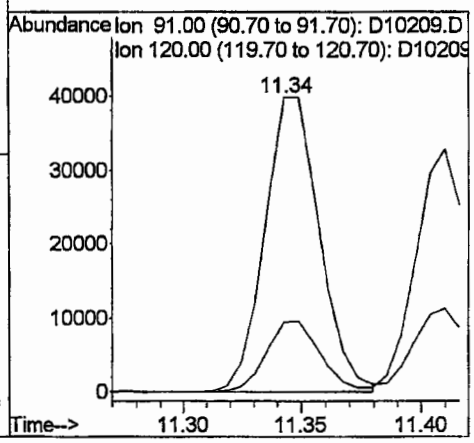


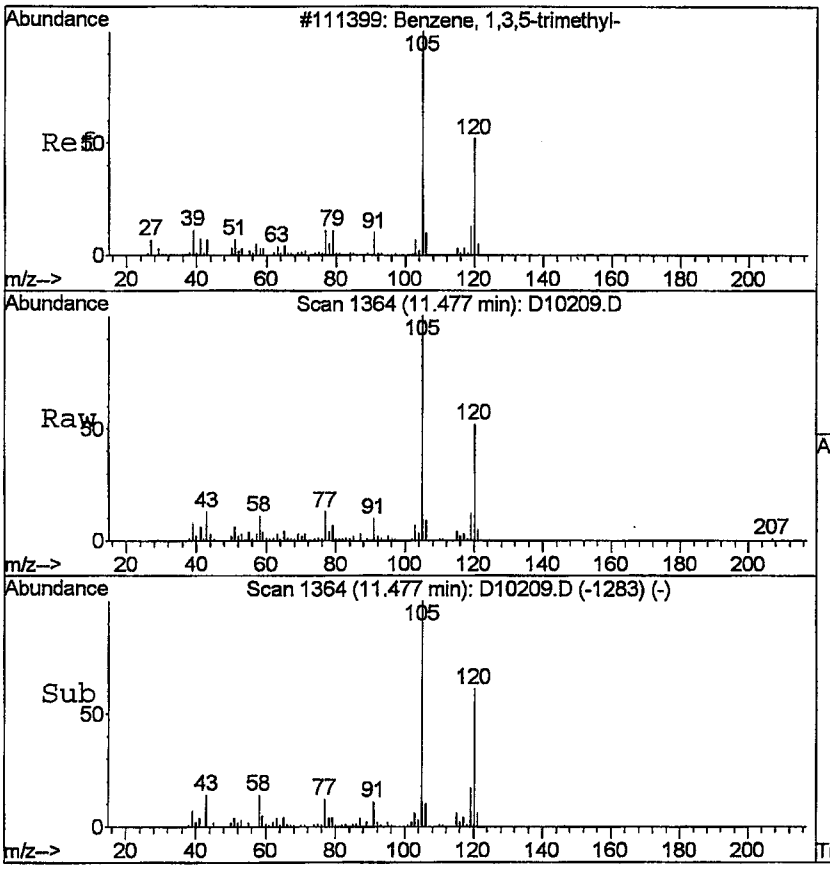


#61
n-Propylbenzene
Concen: 4.60 ppb
RT: 11.34 min Scan# 1342
Delta R.T. -0.01 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 91 Resp: 63641

Ion	Ratio	Lower	Upper
91	100		
120	23.5	21.3	31.9

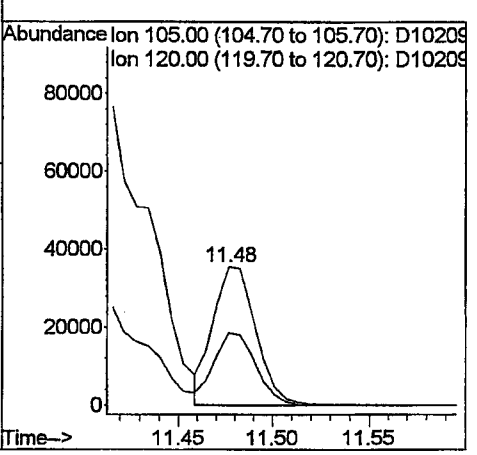


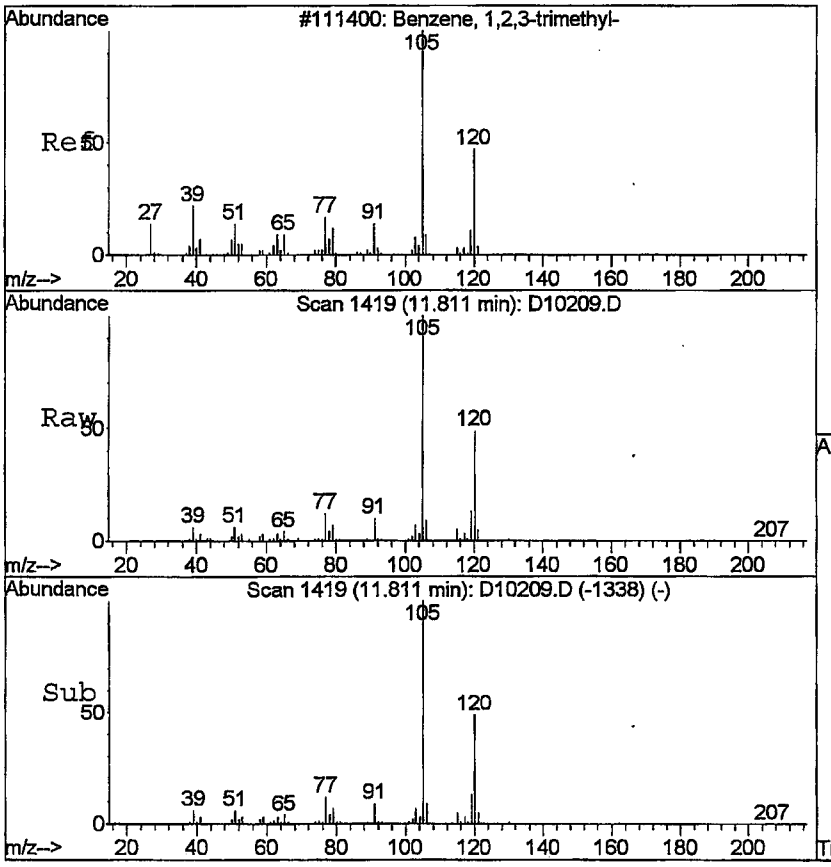


#64
1,3,5-Trimethylbenzene
Concen: 5.97 ppb
RT: 11.48 min Scan# 1364
Delta R.T. -0.01 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion:105 Resp: 56702

Ion	Ratio	Lower	Upper
105	100		
120	53.7	42.8	64.2

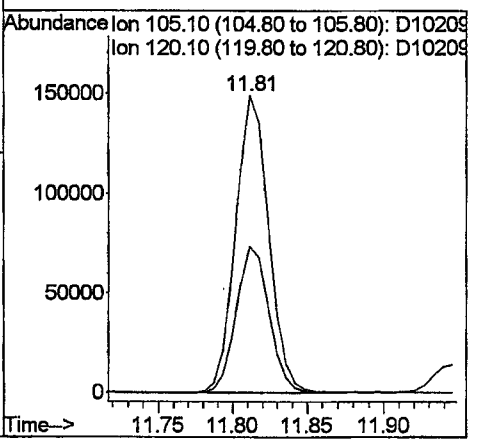


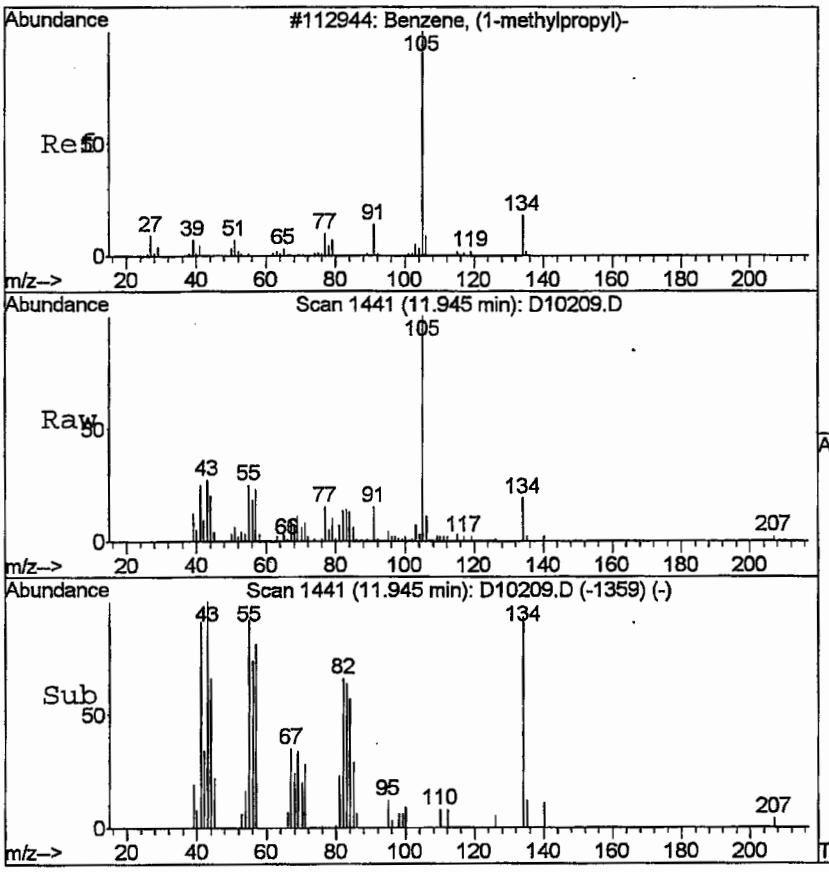


#68
1,2,4-Trimethylbenzene
Concen: 25.79 ppb
RT: 11.81 min Scan# 1419
Delta R.T. -0.01 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion:105 Resp: 230654

Ion	Ratio	Lower	Upper
105	100		
120	49.5	39.0	58.4

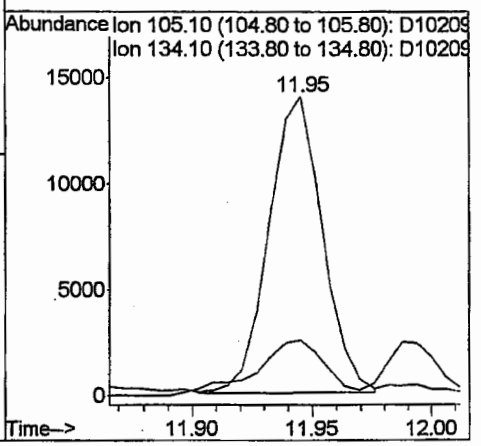


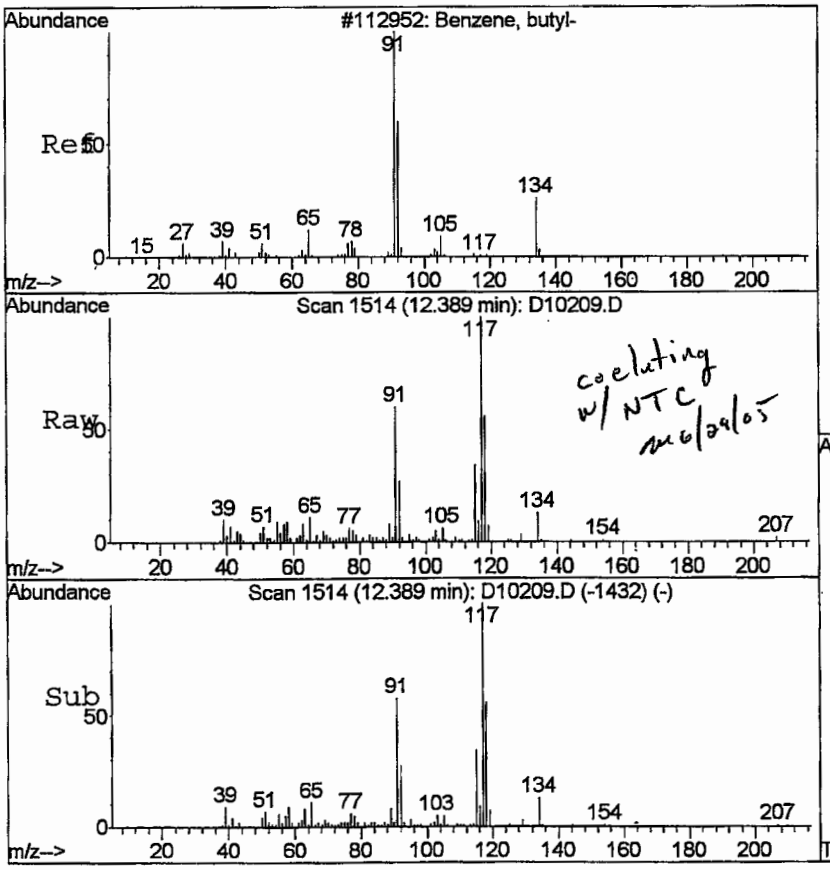


#69
sec-Butylbenzene
Concen: 1.78 ppb
RT: 11.95 min Scan# 1441
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion:105 Resp: 21610

Ion	Ratio	Lower	Upper
105	100		
134	15.6	18.4	27.6#

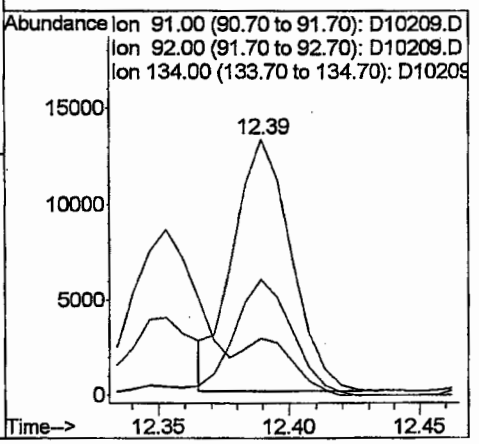




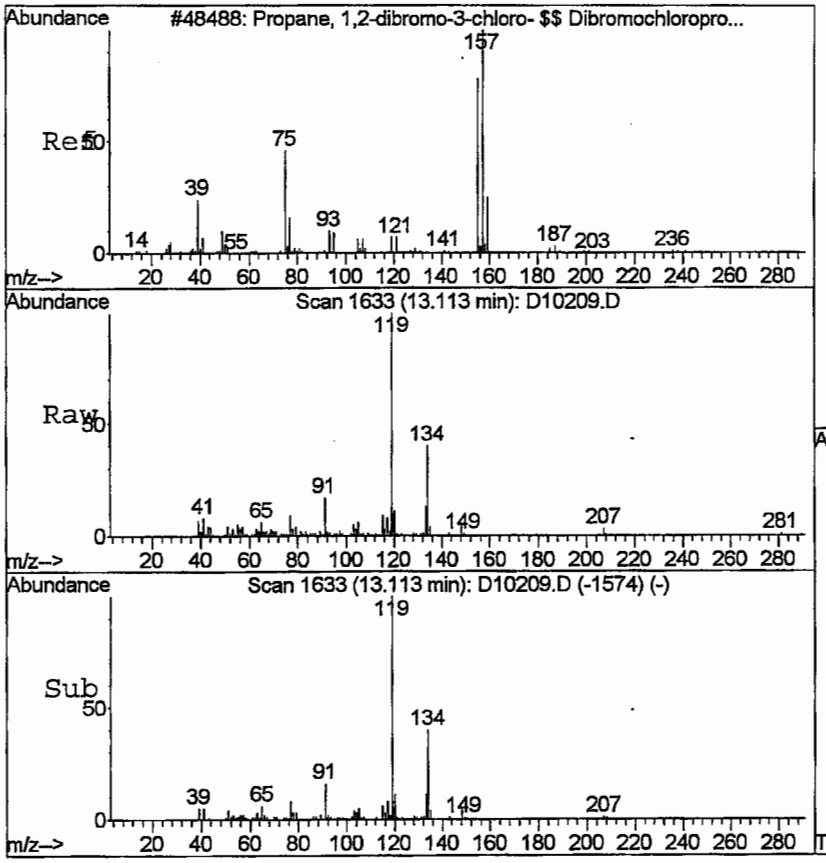
#73
n-Butylbenzene
Concen: 2.11 ppb
RT: 12.39 min Scan# 1514
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 91 Resp: 20224

Ion	Ratio	Lower	Upper
91	100		
92	49.4	47.0	70.6
134	3.4	24.2	36.2#



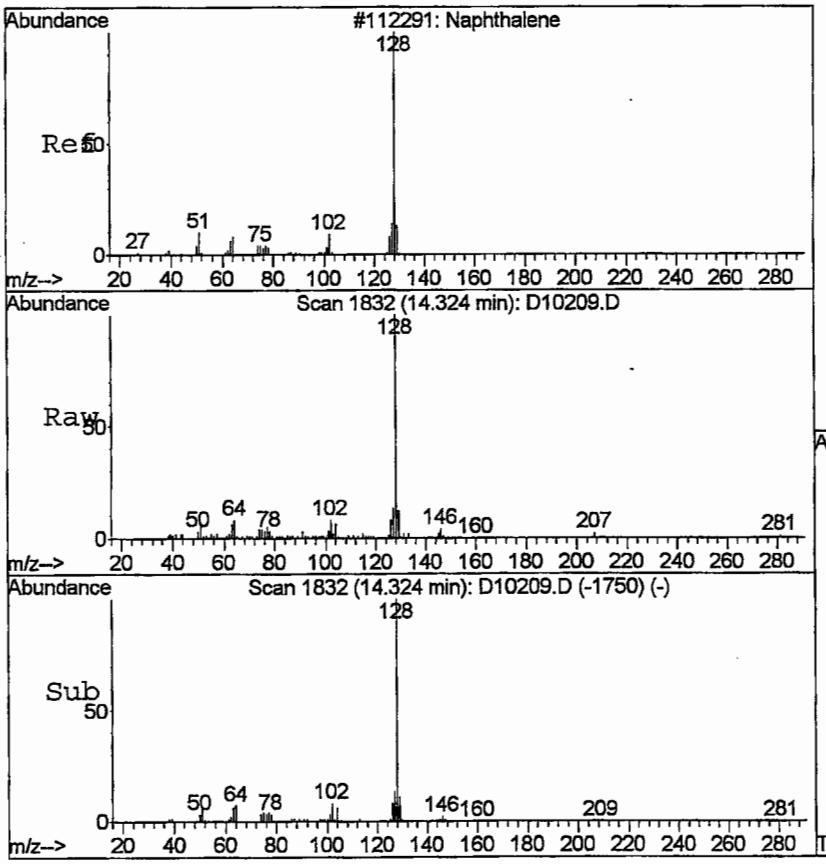
NO



#75
1,2-Dibromo-3-chloropropane
Concen: 6.46 ppb
RT: 13.11 min Scan# 1633
Delta R.T. -0.14 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion: 75 Resp: 347

Ion	Ratio	Lower	Upper
75	100		
155	0.0	75.5	113.3#
157	0.0	95.8	143.6#



#78
Naphthalene
Concen: 13.63 ppb
RT: 14.32 min Scan# 1832
Delta R.T. 0.00 min
Lab File: D10209.D
Acq: 28 Jun 2005 14:10

Tgt Ion:128 Resp: 99912

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10212.D Vial: 15
Acq On : 28 Jun 2005 15:15 Operator: TWK SOP525r10
Sample : 0506217-11 Inst : HPV-4
Misc : 5mL heated water Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 15:41:49 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	531292	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	209204	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.18	152	196544	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	98538	42.55 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 85.10%		
29) 1,2-Dichloroethane-d4	7.20	65	73710	34.16 ppb	0.00
Spiked Amount 50.000			Recovery = 68.32%		
39) Toluene-d8	8.85	98	382427	44.39 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 88.78%		
59) 4-Bromofluorobenzene	11.20	95	143403	42.34 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 84.68%		

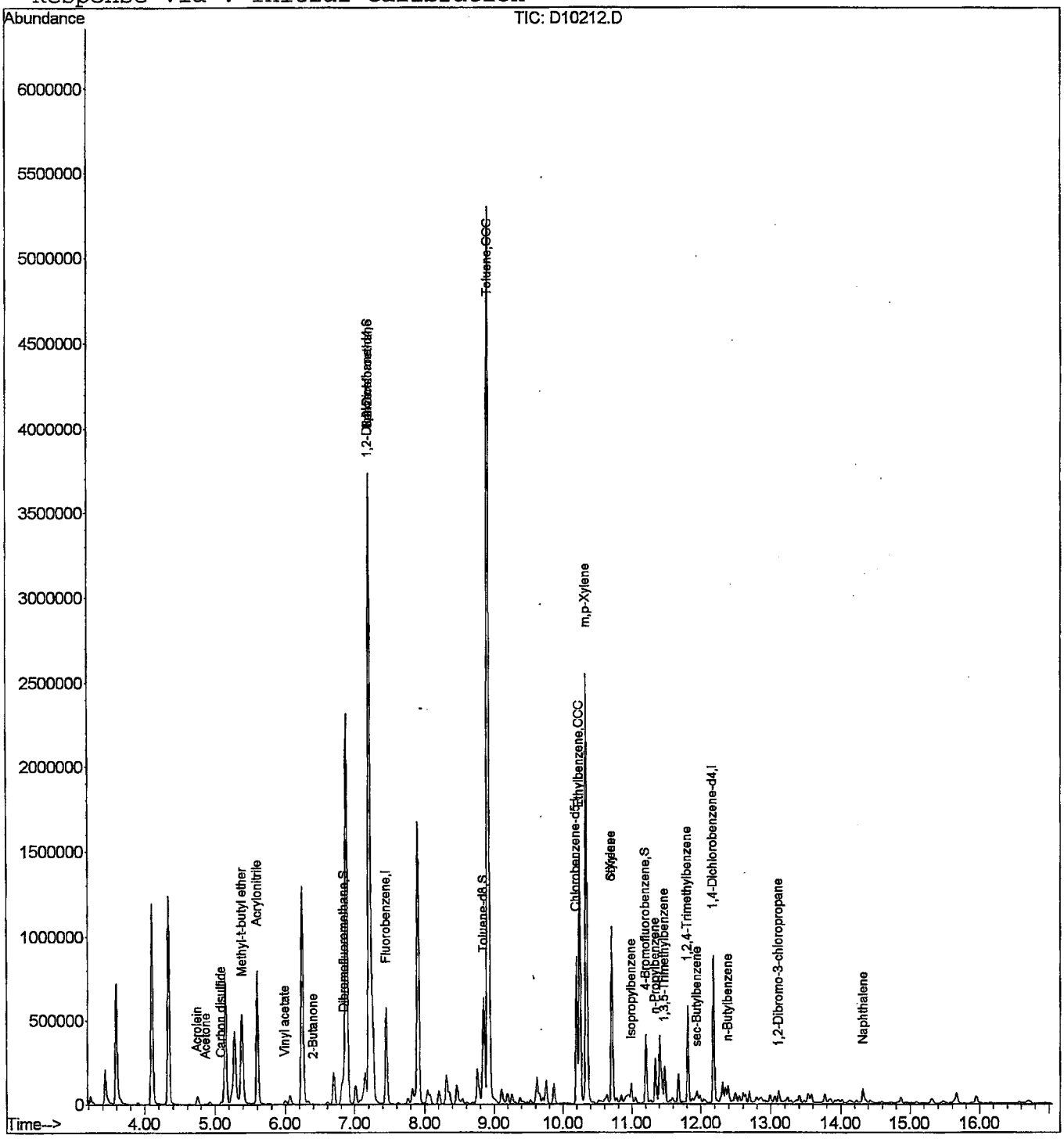
Target Compounds					Qvalue
9) Acrolein	4.75	56	7918	29.62 ppb	# NO 71
11) Acetone	4.86	58	3024	11.64 ppb	# ✓ 49
13) Carbon disulfide	5.09	76	24282	2.72 ppb	# ✓ 81
14) Methylene chloride	5.27	84	3918	Below Cal	# NA 81
15) Methyl-t-butyl ether	5.39	73	165713	25.26 ppb	# NO 1
17) Acrylonitrile	5.60	53	9494	17.28 ppb	# ↓ 40
18) Vinyl acetate	6.00	43	7239	1.77 ppb	# ↓ 93
20) 2-Butanone	6.40	43	4379	5.14 ppb	# ✓ 93
30) Benzene	7.21	78	3240048	301.12 ppb	# ✓ E 84
31) 1,2-Dichloroethane	7.21	62	31330	11.92 ppb	# NO 91
40) Toluene	8.92	91	4087879	378.33 ppb	# ✓ E 79
51) Ethylbenzene	10.25	91	1045447	84.75 ppb	✓ 96
53) m,p-Xylene	10.34	106	851679	177.89 ppb	✓ 93
54) o-Xylene	10.71	106	313701	64.85 ppb	✓ 97
55) Styrene	10.71	104	15450	1.98 ppb	# NO 1
57) Isopropylbenzene	11.00	105	71284	5.75 ppb	✓ 96
61) n-Propylbenzene	11.34	91	106218	6.77 ppb	✓ 93
64) 1,3,5-Trimethylbenzene	11.48	105	113039	10.49 ppb	✓ 100
68) 1,2,4-Trimethylbenzene	11.81	105	320310	31.56 ppb	✓ 98
69) sec-Butylbenzene	11.95	105	21742	1.58 ppb	# ✓ 73
73) n-Butylbenzene	12.39	91	19207	1.77 ppb	# ✓ 72
75) 1,2-Dibromo-3-chloropropan	13.11	75	201	6.10 ppb	# NO 1
78) Naphthalene	14.32	128	67677	8.14 ppb	✓ 100

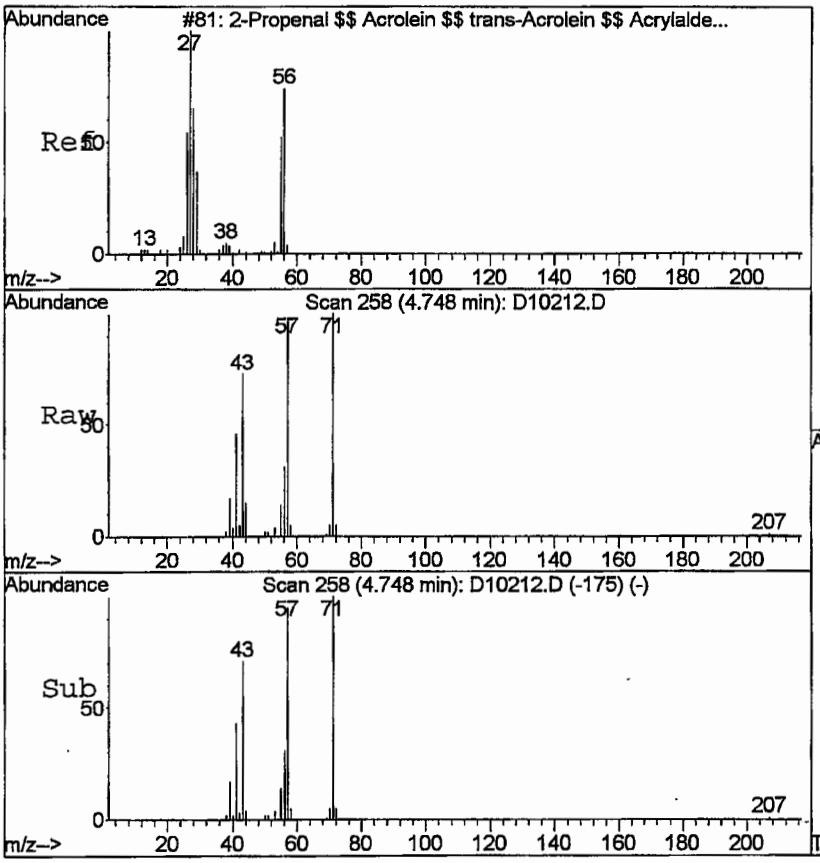
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10212.D Vial: 15
Acq On : 28 Jun 2005 15:15 Operator: TWK SOP525r1
Sample : 0506217-11 Inst : HPV-4
Misc : 5mL heated water Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 15:41 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration



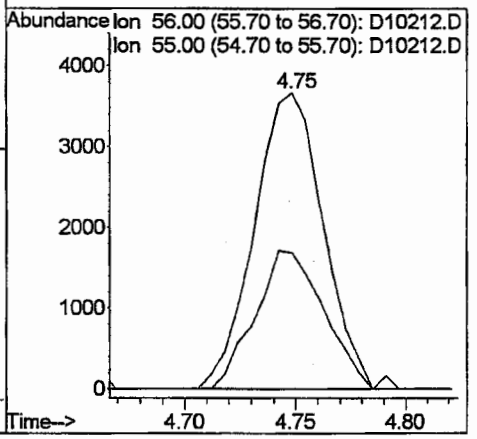


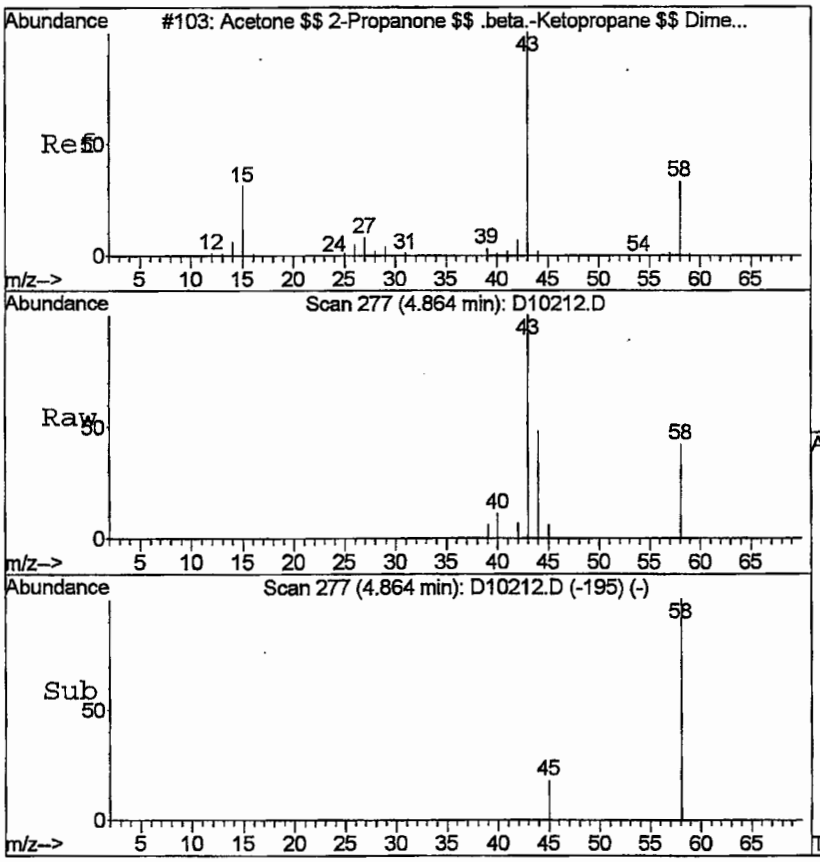
#9
Acrolein
Concen: 29.62 ppb
RT: 4.75 min Scan# 258
Delta R.T. 0.01 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

NO

Tgt Ion: 56 Resp: 7918

Ion	Ratio	Lower	Upper
56	100		
55	46.0	56.2	84.2#

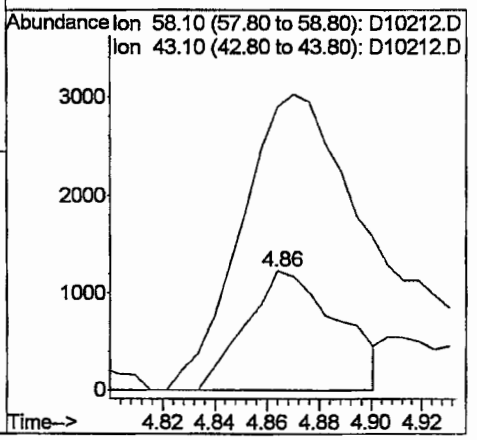


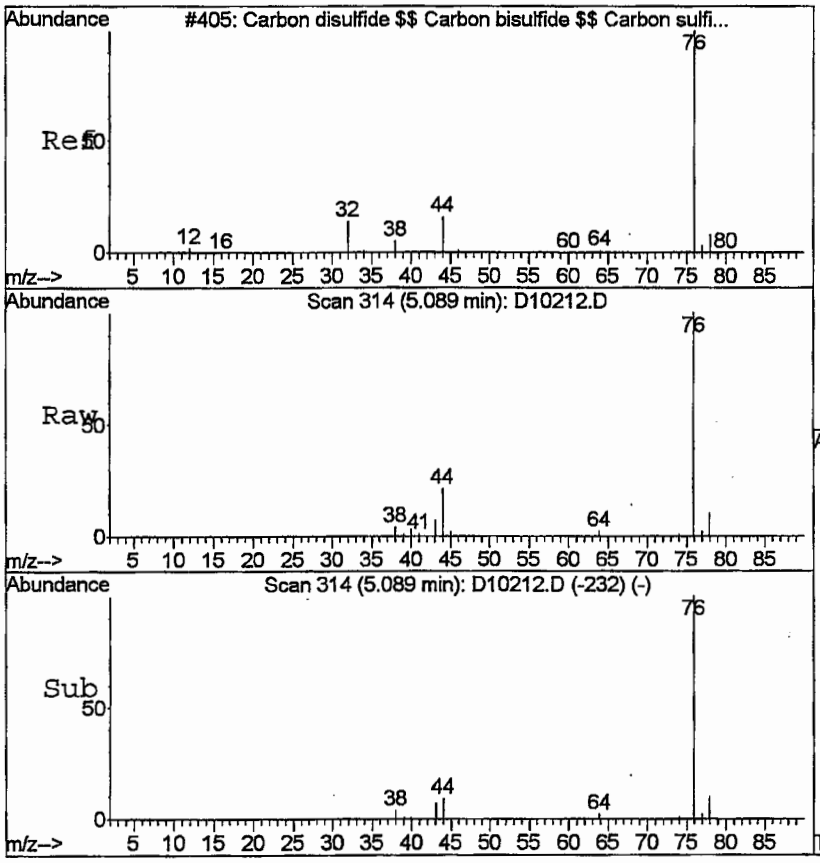


#11
Acetone
Concen: 11.64 ppb
RT: 4.86 min Scan# 277
Delta R.T. 0.00 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion: 58 Resp: 3024

Ion	Ratio	Lower	Upper
58	100		
43	190.6	230.7	346.1#

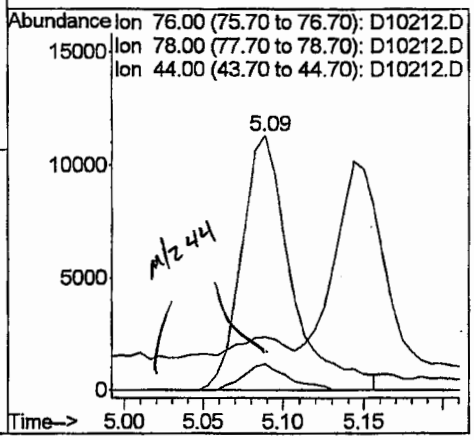


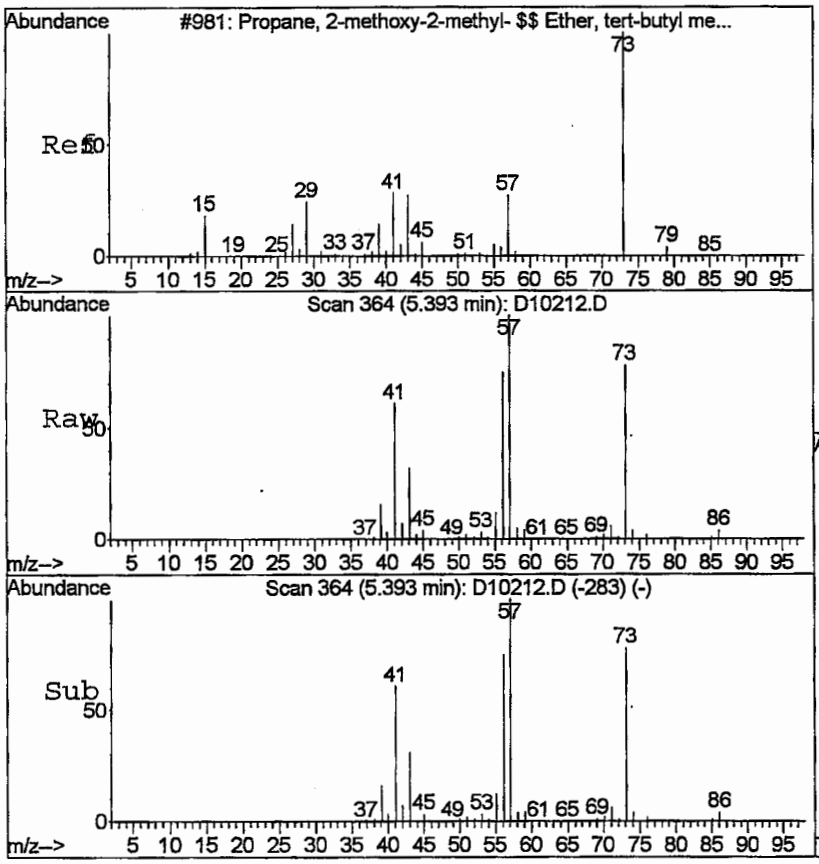


#13
Carbon disulfide
Concen: 2.72 ppb
RT: 5.09 min Scan# 314
Delta R.T. 0.00 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion: 76 Resp: 24282

Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.7	11.5
44	0.0	9.8	14.6#

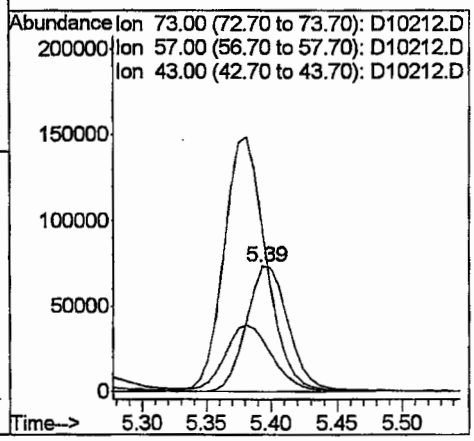


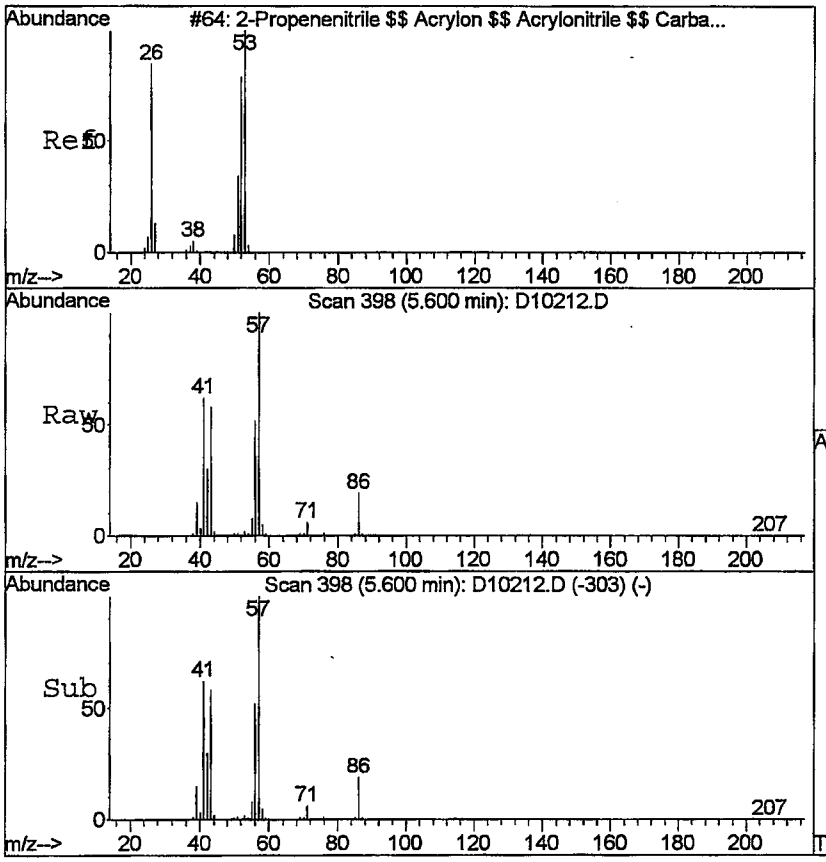


#15
Methyl-t-butyl ether NO
Concen: 25.26 ppb
RT: 5.39 min Scan# 364
Delta R.T. -0.01 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion: 73 Resp: 165713

Ion	Ratio	Lower	Upper
73	100		
57	124.0	17.5	26.3#
43	39.4	15.2	22.8#



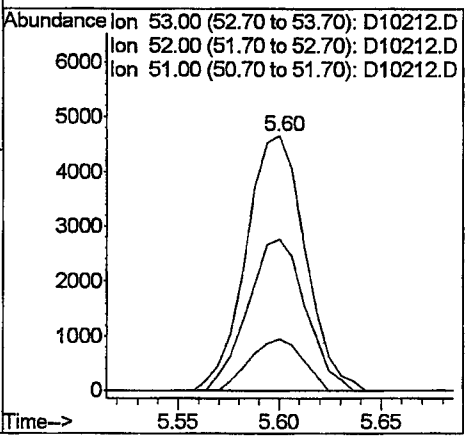


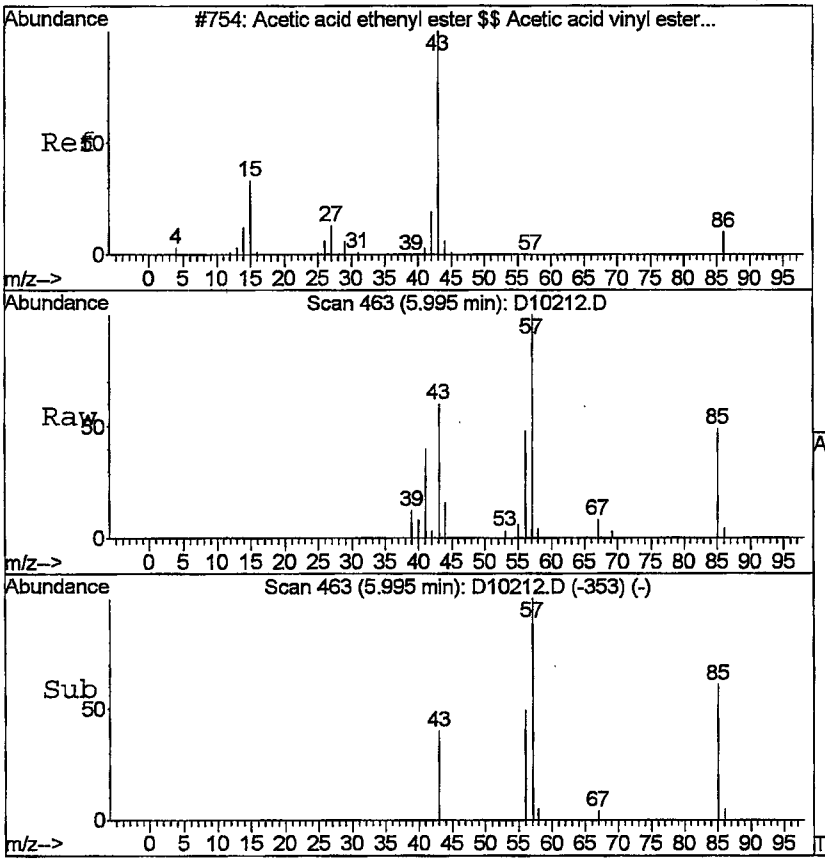
#17
Acrylonitrile
Concen: 17.28 ppb
RT: 5.60 min Scan# 398
Delta R.T. 0.08 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

NO

Tgt Ion: 53 Resp: 9494

Ion	Ratio	Lower	Upper
53	100		
52	20.4	66.2	99.4#
51	59.4	29.4	44.2#



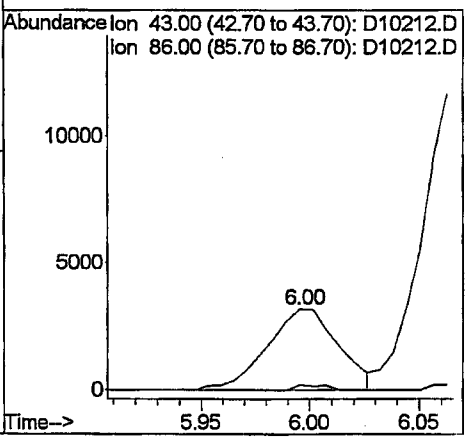


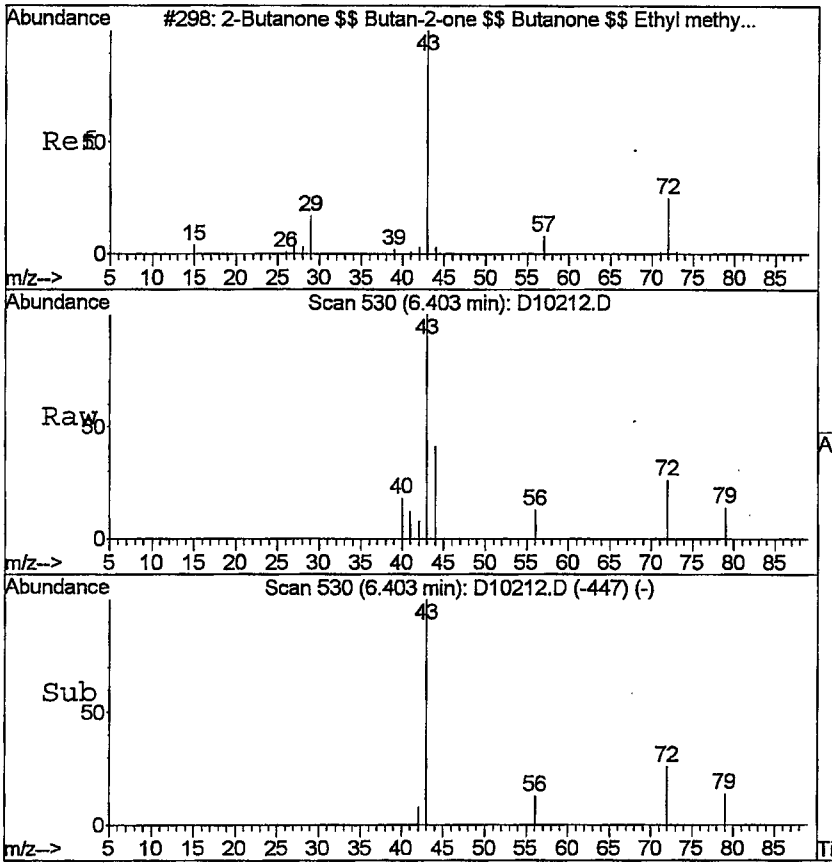
#18
Vinyl acetate
Concen: 1.77 ppb
RT: 6.00 min Scan# 463
Delta R.T. 0.17 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

NO

Tgt Ion: 43 Resp: 7239

Ion	Ratio	Lower	Upper
43	100		
86	7.0	7.7	11.5#

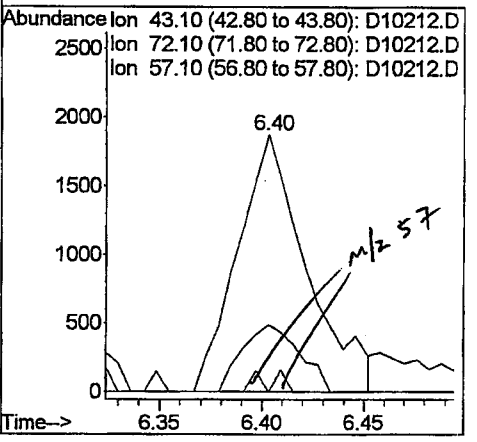


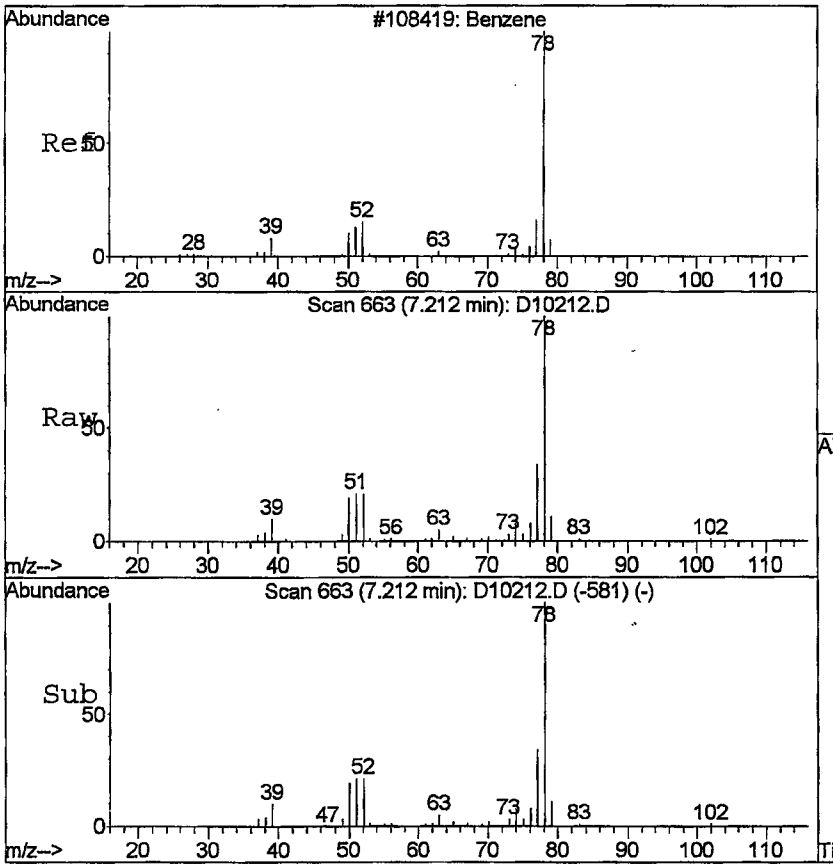


#20
2-Butanone
Concen: 5.14 ppb
RT: 6.40 min Scan# 530
Delta R.T. 0.01 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion: 43 Resp: 4379

Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.5	32.3
57	0.0	6.3	9.5#

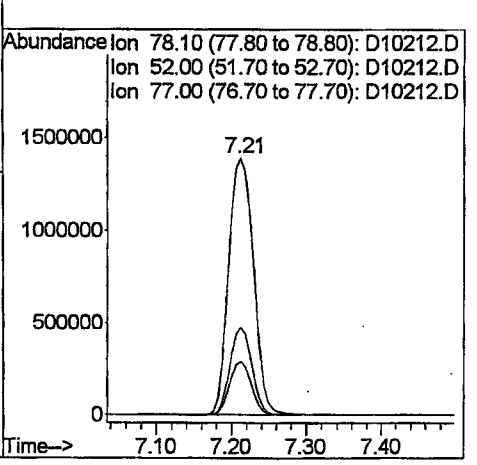


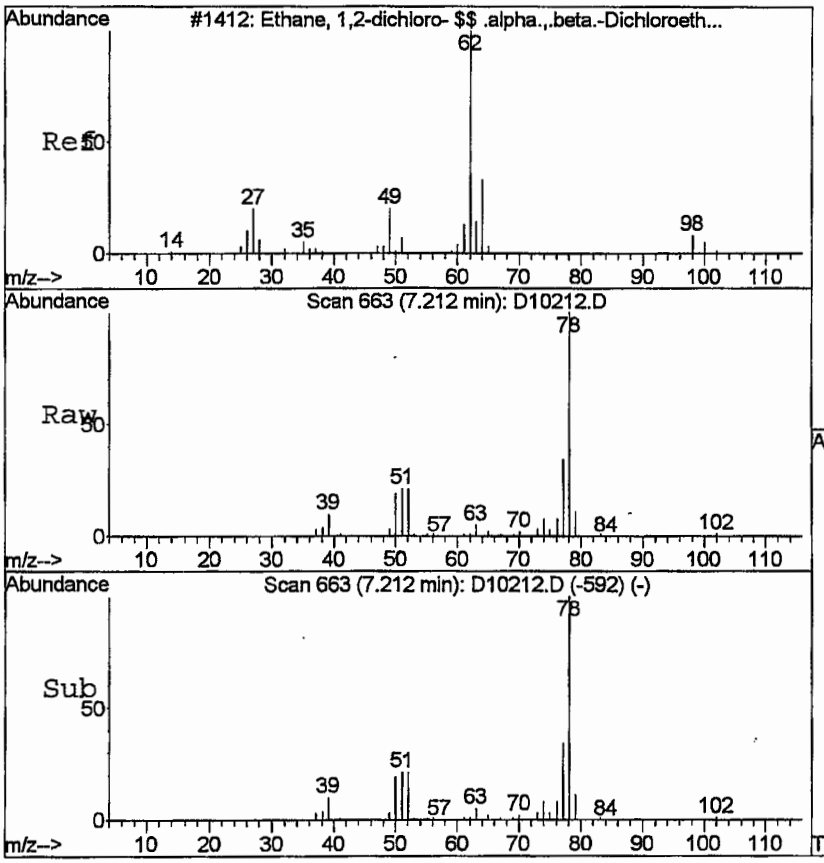


#30
Benzene
Concen: 301.12 ppb
RT: 7.21 min Scan# 663
Delta R.T. 0.00 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion: 78 Resp: 3240048

Ion	Ratio	Lower	Upper
78	100		
52	20.7	12.9	19.3#
77	34.0	19.7	29.5#



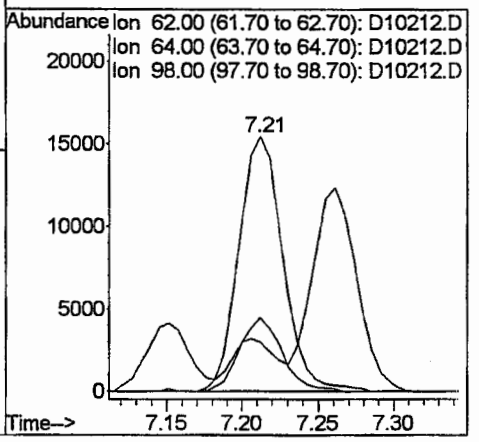


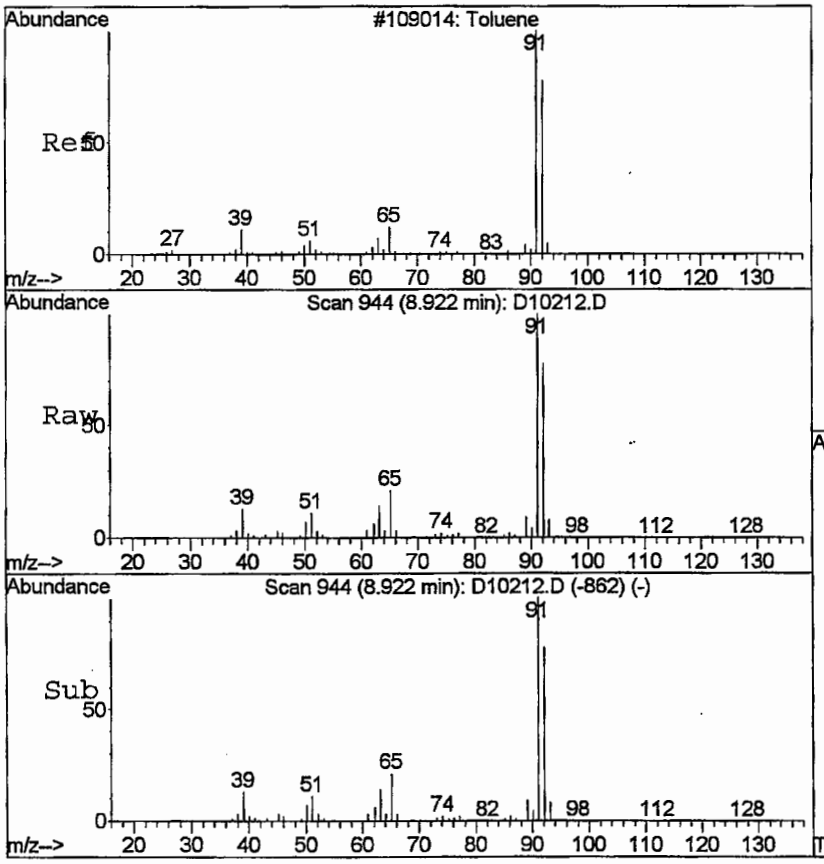
#31
1,2-Dichloroethane
Concen: 11.92 ppb
RT: 7.21 min Scan# 663
Delta R.T. -0.07 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

NO

Tgt Ion: 62 Resp: 31330

Ion	Ratio	Lower	Upper
62	100		
64	28.9	27.0	40.6
98	6.4	7.9	11.9#



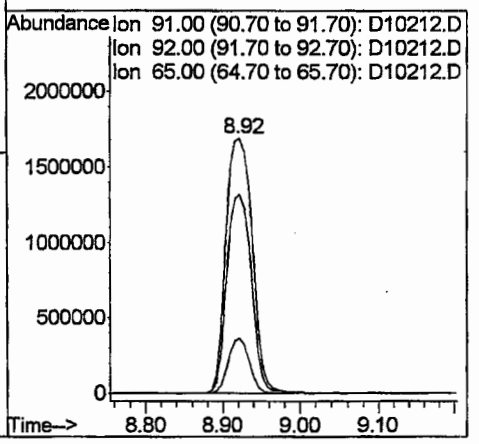


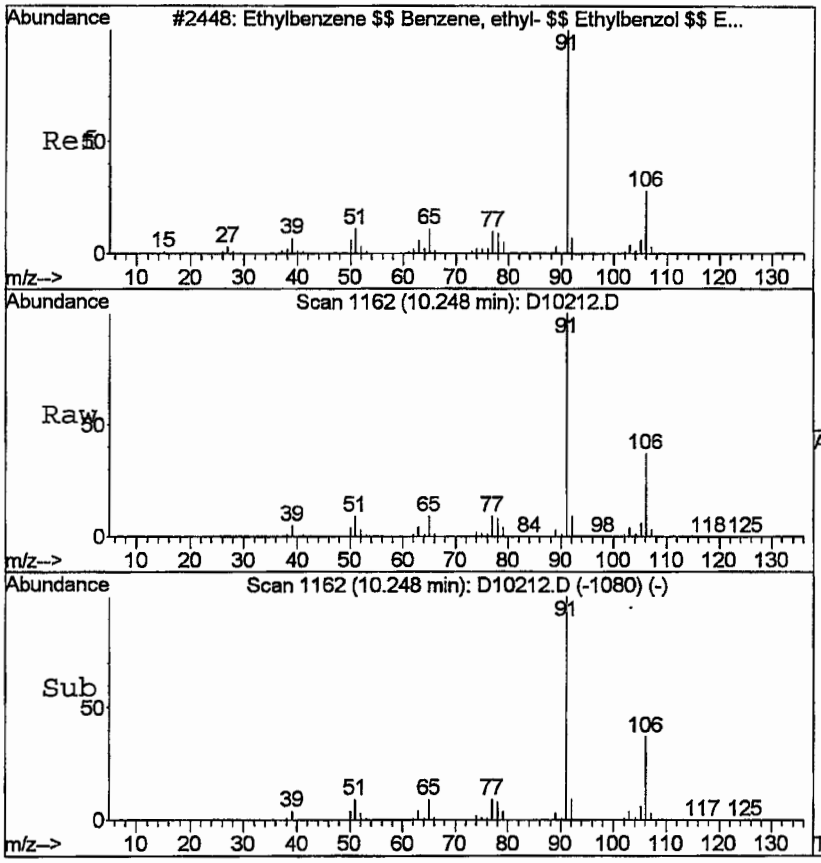
#40
Toluene
Concen: 378.33 ppb
RT: 8.92 min Scan# 944
Delta R.T. 0.00 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

✓E

Tgt Ion: 91 Resp: 4087879

Ion	Ratio	Lower	Upper
91	100		
92	78.0	50.0	75.0#
65	21.4	9.7	14.5#

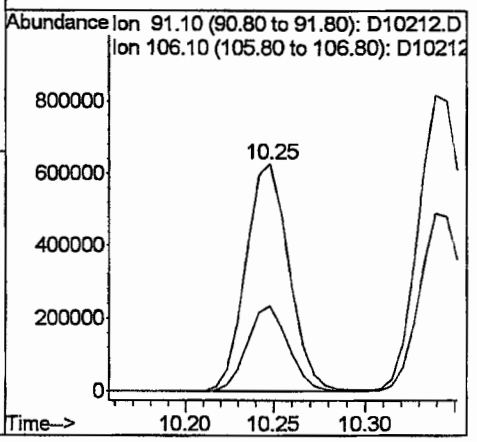


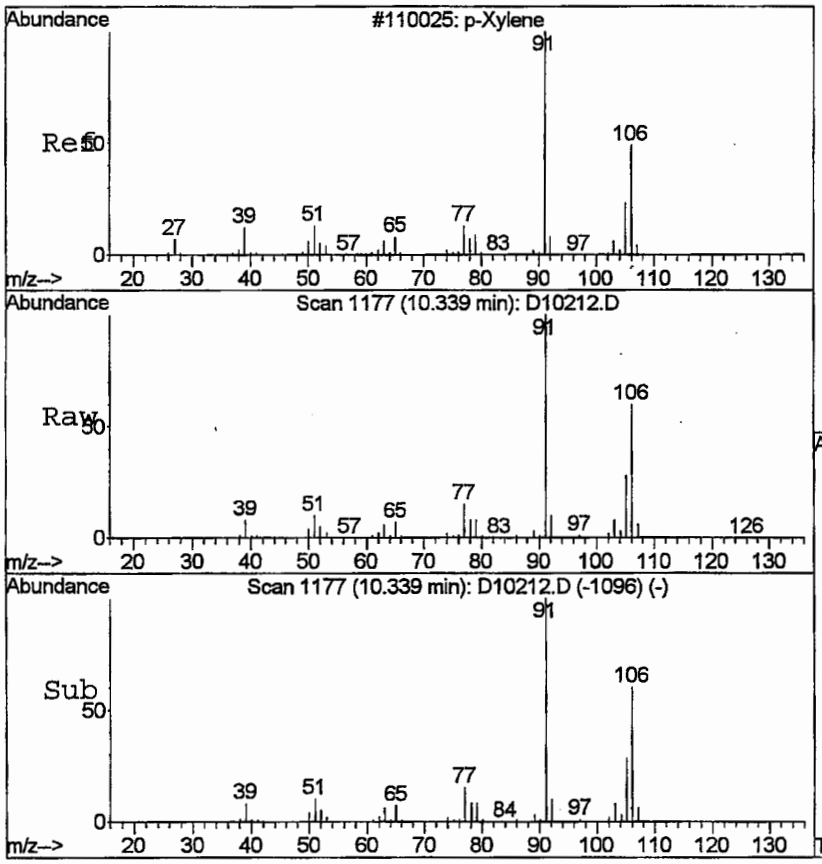


#51
Ethylbenzene
Concen: 84.75 ppb
RT: 10.25 min Scan# 1162
Delta R.T. 0.00 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion: 91 Resp: 1045447

Ion	Ratio	Lower	Upper
91	100		
106	37.3	28.2	42.2

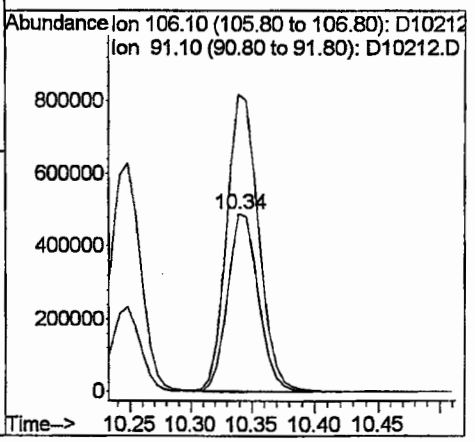


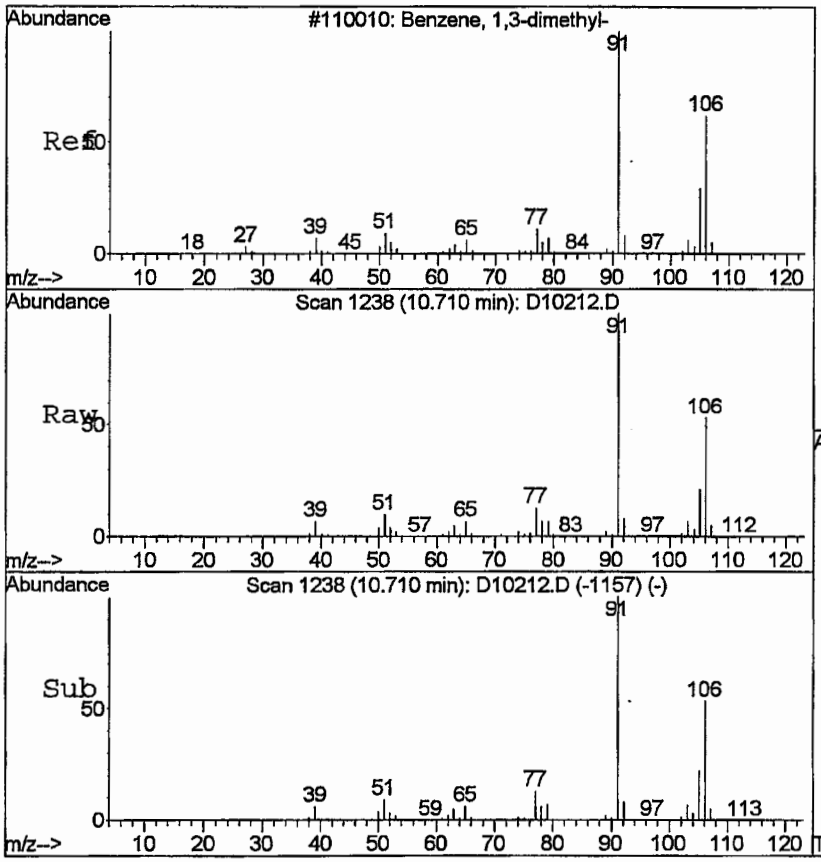


#53
m,p-Xylene
Concen: 177.89 ppb
RT: 10.34 min Scan# 1177
Delta R.T. -0.01 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion:106 Resp: 851679

Ion	Ratio	Lower	Upper
106	100		
91	167.0	141.4	212.0

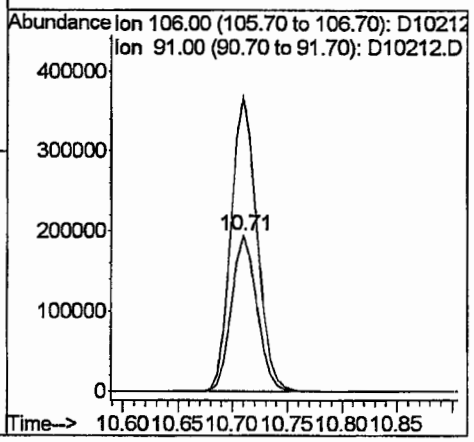


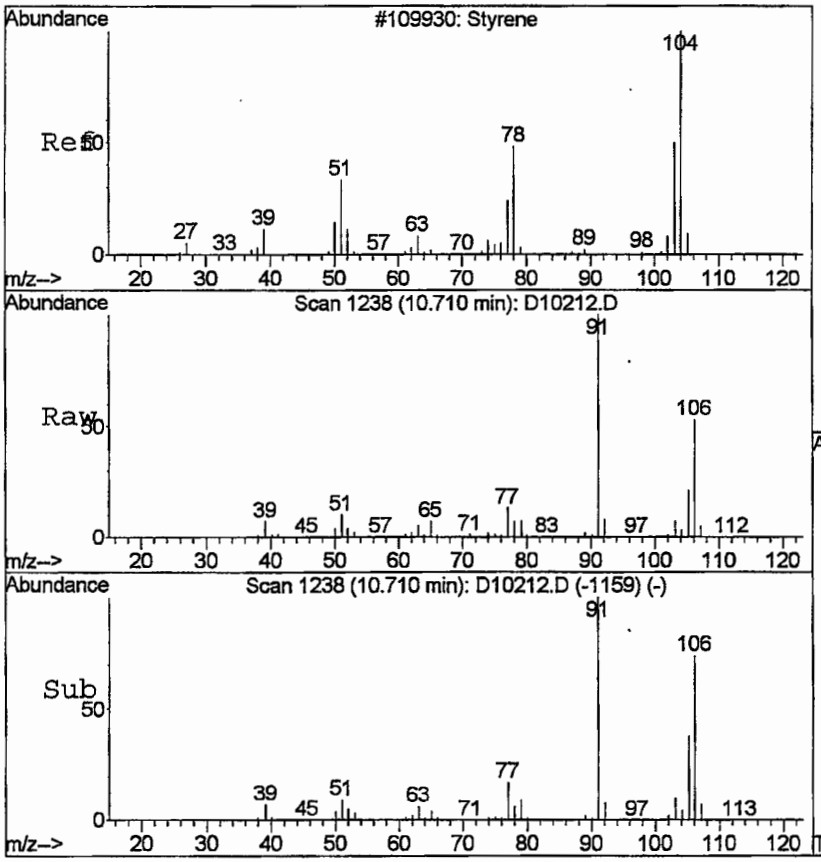


#54
o-Xylene
Concen: 64.85 ppb
RT: 10.71 min Scan# 1238
Delta R.T. -0.01 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion:106 Resp: 313701

Ion	Ratio	Lower	Upper
106	100		
91	193.0	158.2	237.4



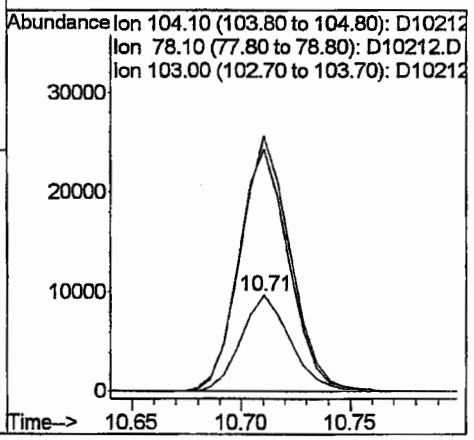


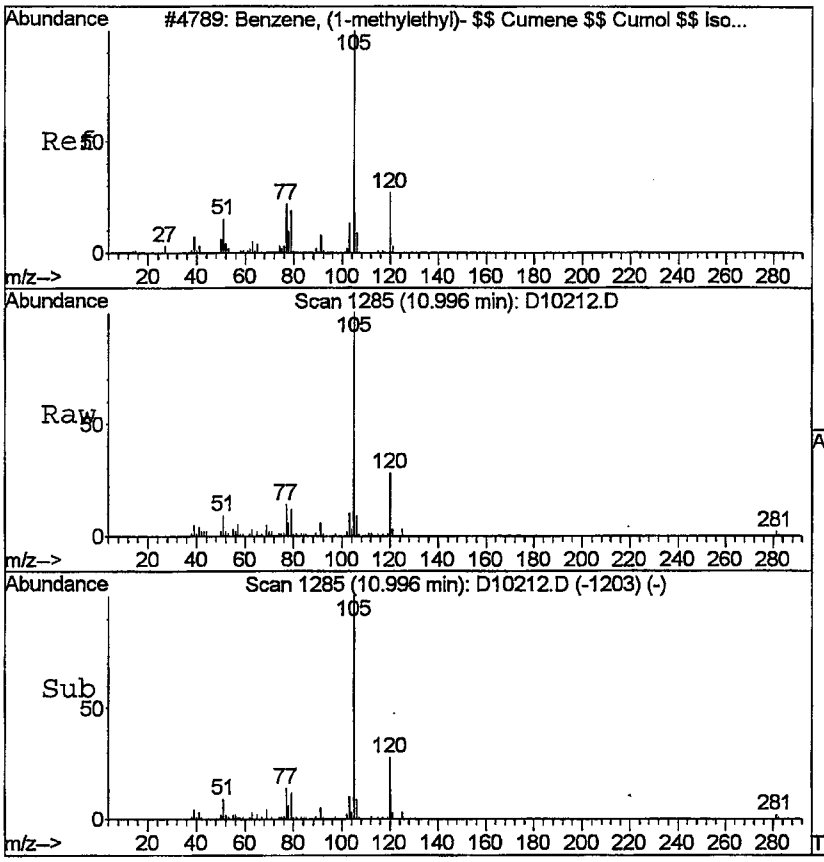
#55
Styrene
Concen: 1.98 ppb
RT: 10.71 min Scan# 1238
Delta R.T. -0.02 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

NO

Tgt Ion:104 Resp: 15450

Ion	Ratio	Lower	Upper
104	100		
78	247.5	34.9	52.3#
103	261.2	39.8	59.8#

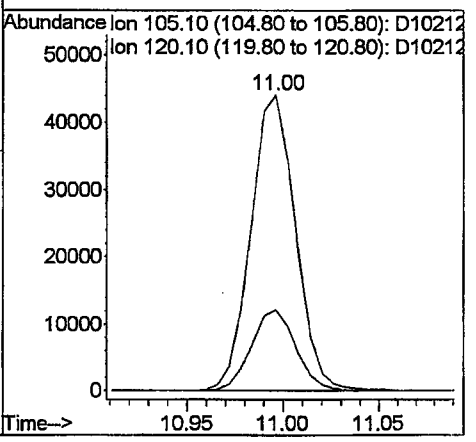


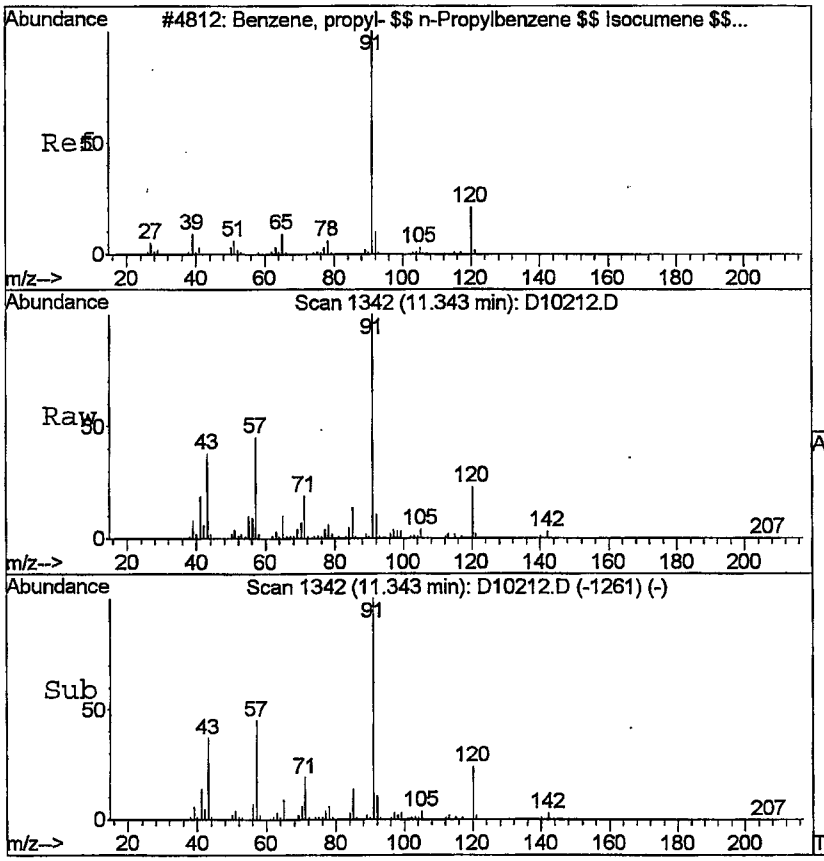


#57
Isopropylbenzene
Concen: 5.75 ppb
RT: 11.00 min Scan# 1285
Delta R.T. 0.00 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion:105 Resp: 71284

Ion	Ratio	Lower	Upper
105	100		
120	27.6	23.8	35.6

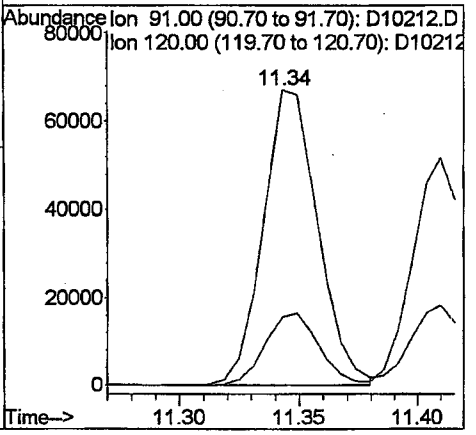


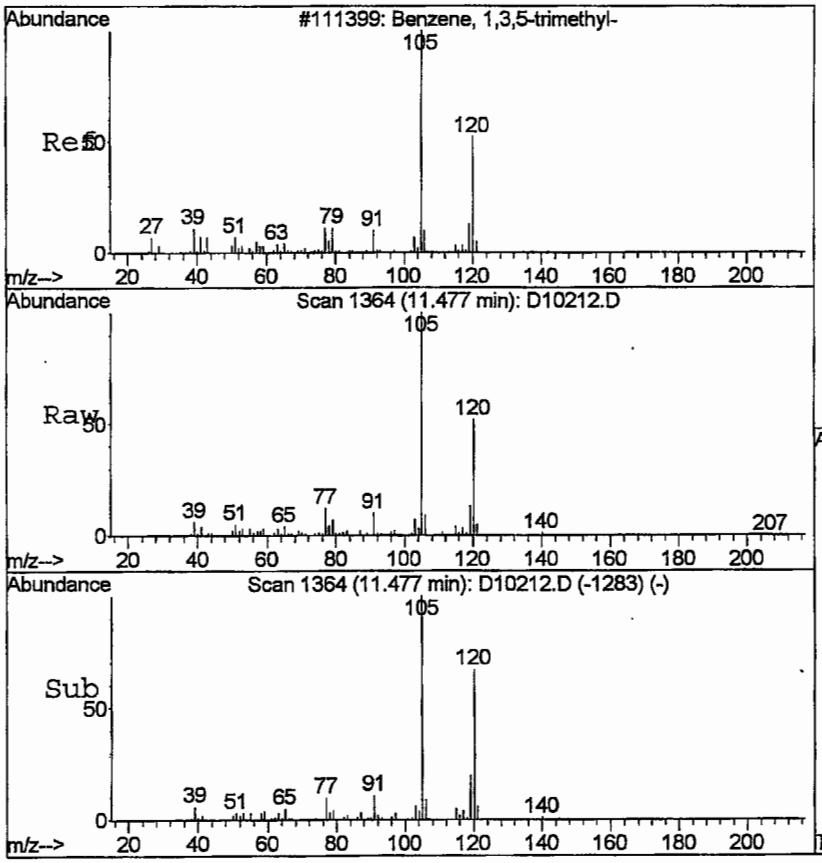


#61
n-Propylbenzene
Concen: 6.77 ppb
RT: 11.34 min Scan# 1342
Delta R.T. -0.01 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion: 91 Resp: 106218

Ion	Ratio	Lower	Upper
91	100		
120	23.1	21.3	31.9

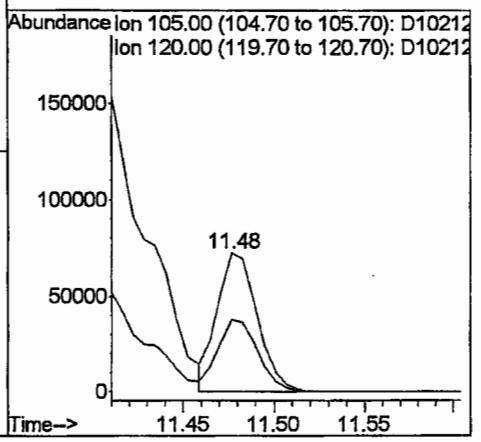


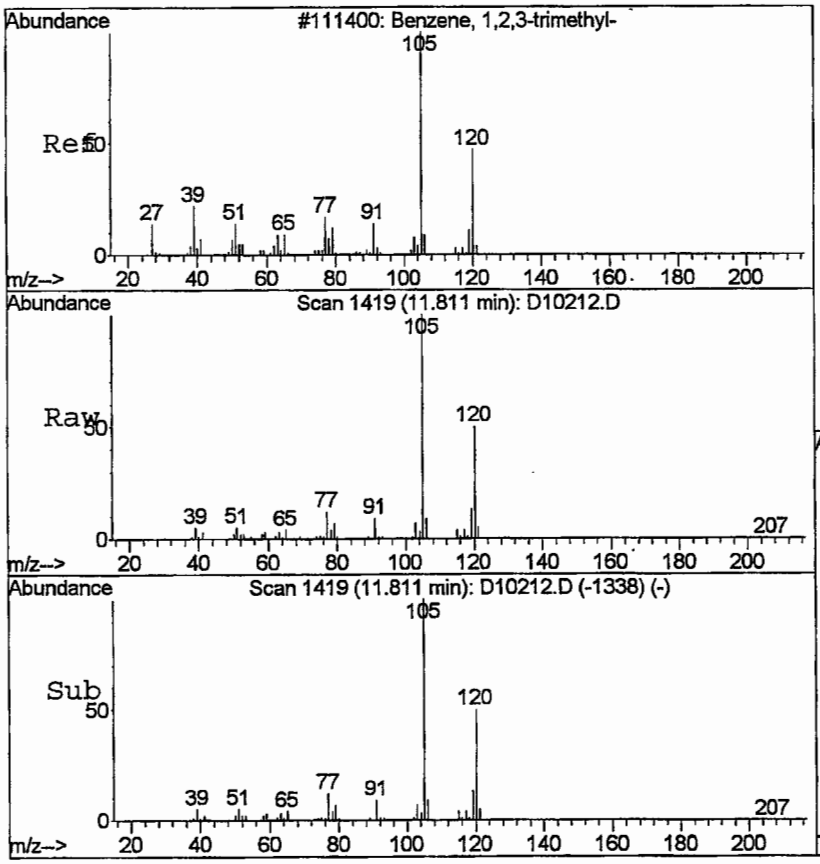


#64
1,3,5-Trimethylbenzene
Concen: 10.49 ppb
RT: 11.48 min Scan# 1364
Delta R.T. -0.01 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion:105 Resp: 113039

Ion	Ratio	Lower	Upper
105	100		
120	53.8	42.8	64.2

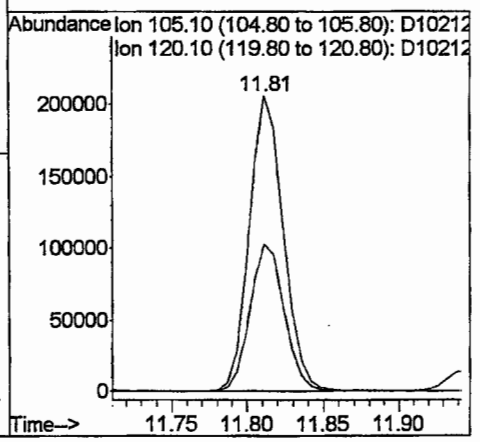


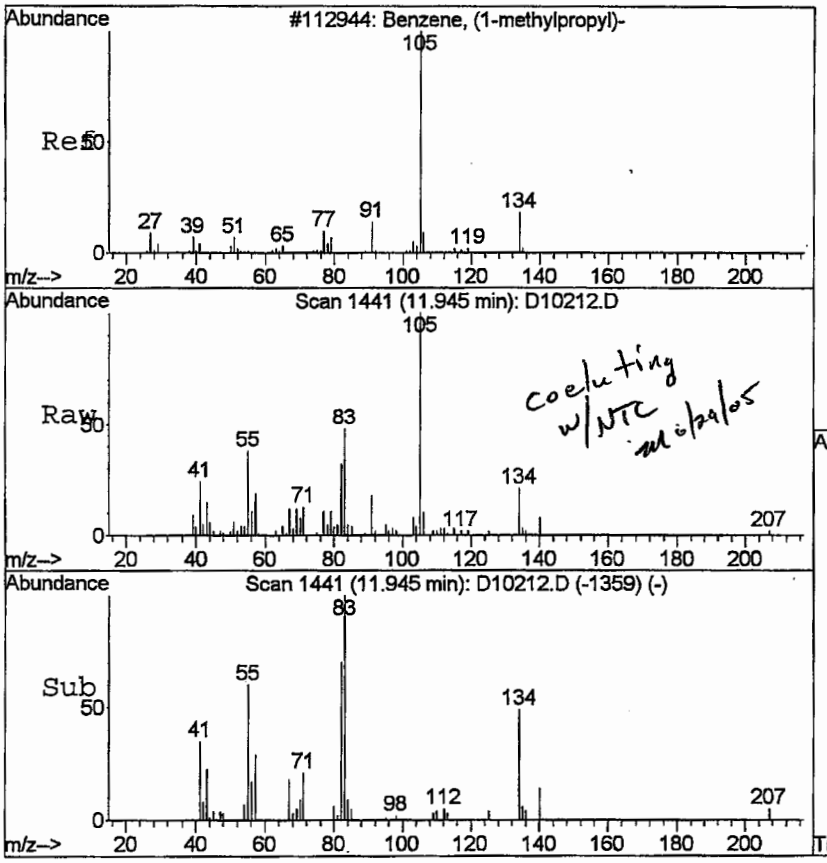


#68
1,2,4-Trimethylbenzene
Concen: 31.56 ppb
RT: 11.81 min Scan# 1419
Delta R.T. -0.01 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion:105 Resp: 320310

Ion	Ratio	Lower	Upper
105	100		
120	49.9	39.0	58.4

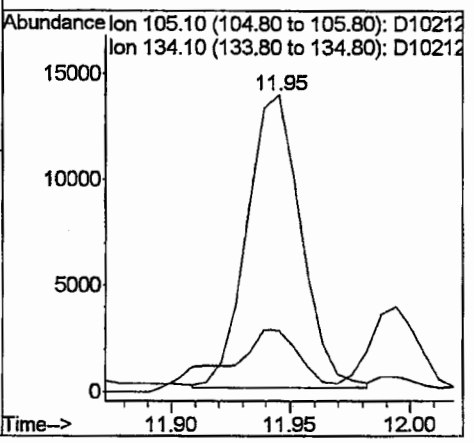


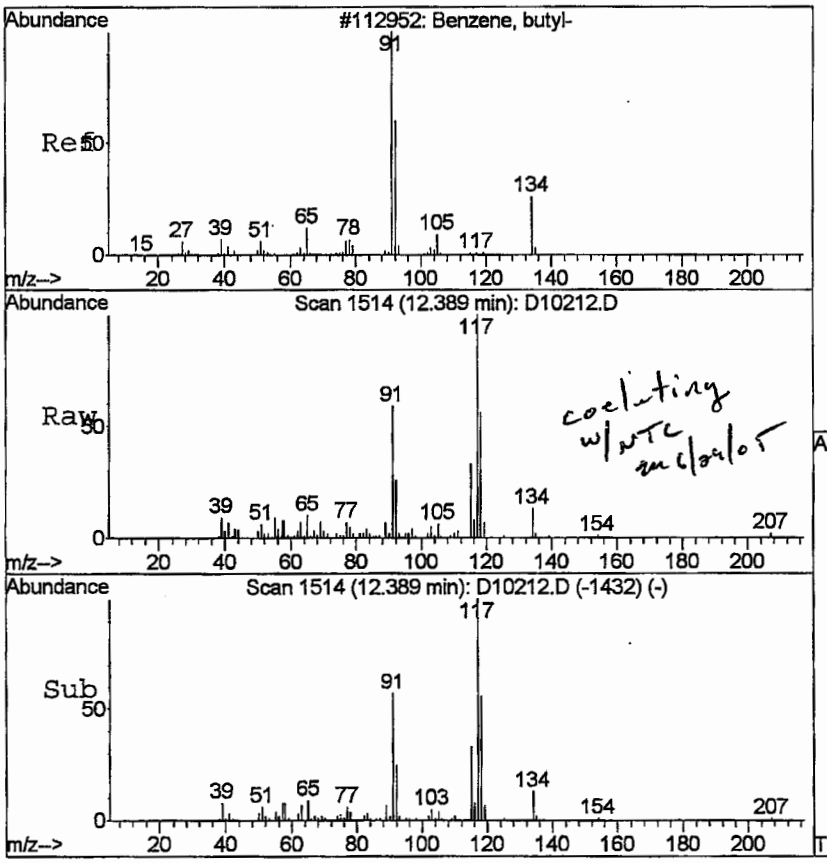


#69
sec-Butylbenzene
Concen: 1.58 ppb
RT: 11.95 min Scan# 1441
Delta R.T. 0.00 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion:105 Resp: 21742

Ion	Ratio	Lower	Upper
105	100		
134	9.9	18.4	27.6#

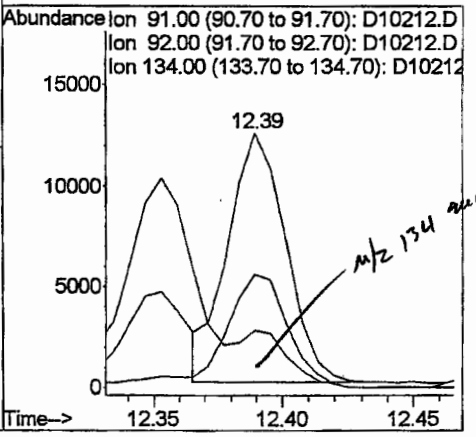




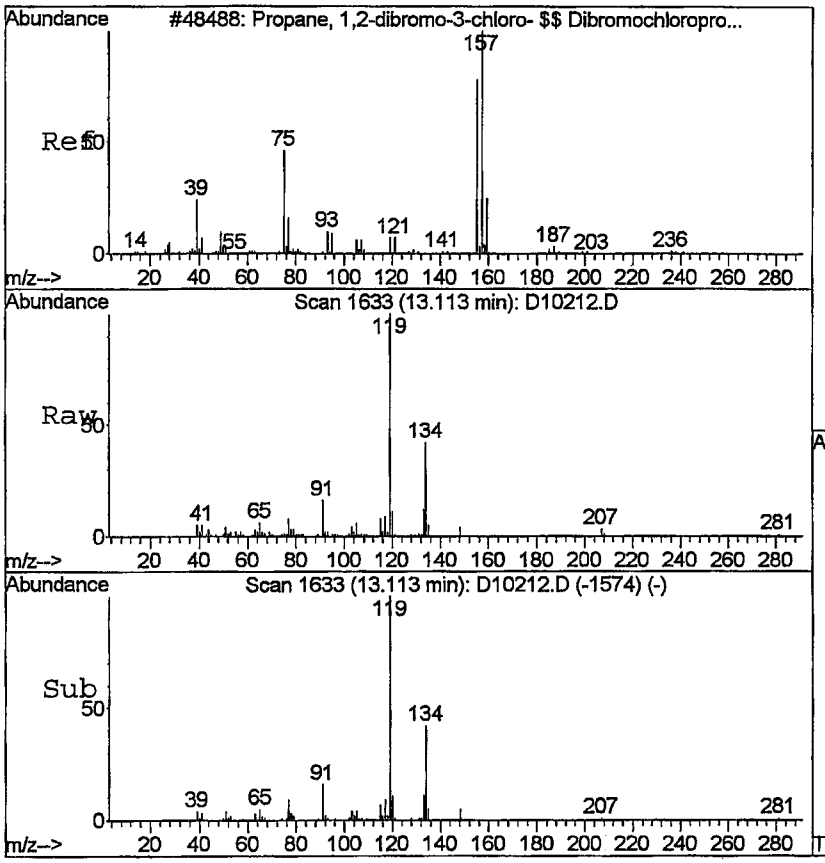
#73
n-Butylbenzene
Concen: 1.77 ppb
RT: 12.39 min Scan# 1514
Delta R.T. 0.00 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion: 91 Resp: 19207

Ion	Ratio	Lower	Upper
91	100		
92	48.1	47.0	70.6
134	0.0	24.2	36.2#



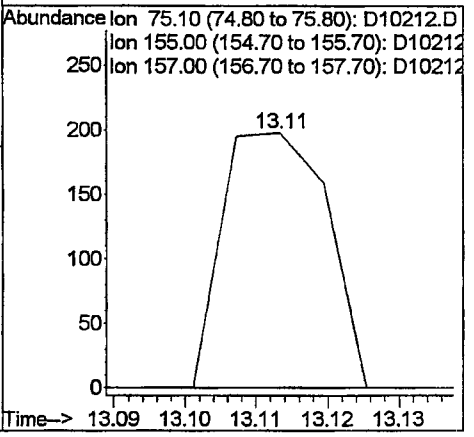
NO

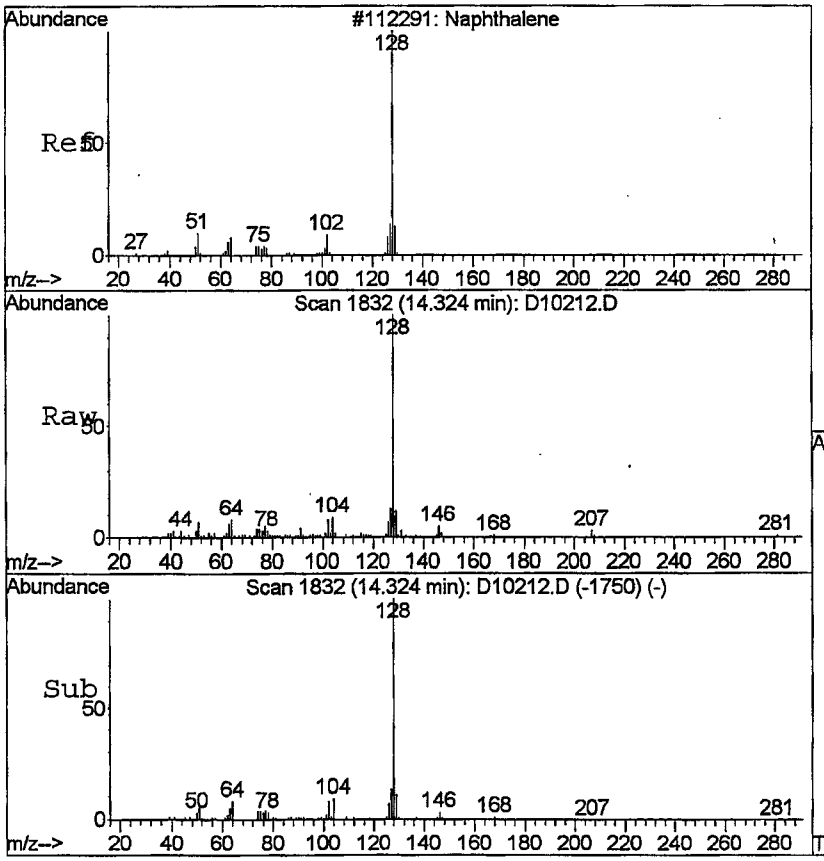


#75
1,2-Dibromo-3-chloropropane
Concen: 6.10 ppb
RT: 13.11 min Scan# 1633
Delta R.T. -0.14 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion: 75 Resp: 201

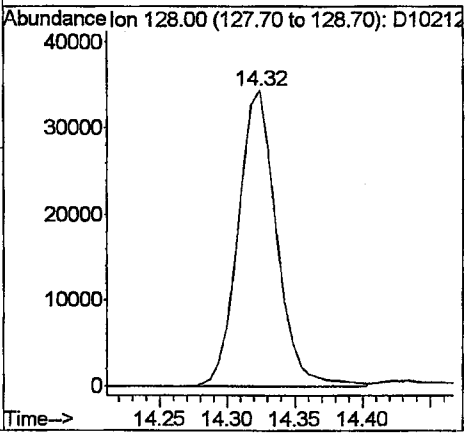
Ion	Ratio	Lower	Upper
75	100		
155	0.0	75.5	113.3#
157	0.0	95.8	143.6#





#78
Naphthalene
Concen: 8.14 ppb
RT: 14.32 min Scan# 1832
Delta R.T. 0.00 min
Lab File: D10212.D
Acq: 28 Jun 2005 15:15

Tgt Ion:128 Resp: 67677



Raw Data Quality Control Samples

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10176.D Vial: 6
Acq On : 27 Jun 2005 13:24 Operator: TWK SOP525r10
Sample : VL050627-4LCS Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 15:06:25 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	7.45	96	435300	50.00	ppb	0.00
48) Chlorobenzene-d5	10.20	82	157158	50.00	ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.18	152	146085	50.00	ppb	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	6.84	113	99491	52.44	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 104.88%			
29) 1,2-Dichloroethane-d4	7.20	65	90227	51.03	ppb	0.00
Spiked Amount 50.000			Recovery = 102.06%			
39) Toluene-d8	8.85	98	378517	53.63	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 107.26%			
59) 4-Bromofluorobenzene	11.20	95	138627	55.07	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 110.14%			
Target Compounds						Qvalue
5) Bromomethane	4.01	96	3171	2.10	ppb	99
9) Acrolein	4.74	56	92912	424.23	ppb	100
10) 1,1-Dichloroethene	4.81	96	117734	57.51	ppb	95
11) Acetone	4.86	58	27988	232.26	ppb	97
12) Iodomethane	5.02	142	159232	54.66	ppb	97
13) Carbon disulfide	5.08	76	367510	50.31	ppb	99
14) Methylene chloride	5.27	84	104827	50.57	ppb	97
15) Methyl-t-butyl ether	5.39	73	262317	48.80	ppb	99
16) trans-1,2-Dichloroethene	5.47	96	120694	53.69	ppb	95
17) Acrylonitrile	5.52	53	246389	547.36	ppb	99
18) Vinyl acetate	5.83	43	132219	39.36	ppb	97
19) 1,1-Dichloroethane	5.89	63	195244	52.00	ppb	99
20) 2-Butanone	6.40	43	152436	218.26	ppb	99
21) 2,2-Dichloropropane	6.41	77	172609	51.54	ppb	100
22) cis-1,2-Dichloroethene	6.43	96	118014	50.75	ppb	98
23) Bromochloromethane	6.67	128	48996	50.61	ppb	97
24) Chloroform	6.68	83	185347	50.87	ppb	99
26) 1,1,1-Trichloroethane	6.87	97	172026	49.63	ppb	98
27) Carbon Tetrachloride	7.00	117	153159	53.86	ppb	99
28) 1,1-Dichloropropene	7.01	75	161471	51.22	ppb	100
30) Benzene	7.21	78	433869	49.21	ppb	99
31) 1,2-Dichloroethane	7.27	62	107897	50.11	ppb	98
32) Trichloroethene	7.77	95	126082	50.94	ppb	99
33) 1,2-Dichloropropane	8.03	63	107138	48.27	ppb	99
34) Dibromomethane	8.16	93	54887	50.77	ppb	98
35) Bromodichloromethane	8.25	83	133590	53.52	ppb	99
36) 2-Chloroethyl vinyl ether	8.45	63	45457	50.15	ppb	99

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10176.D Vial: 6
Acq On : 27 Jun 2005 13:24 Operator: TWK SOP525r10
Sample : VL050627-4LCS Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 15:06:25 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

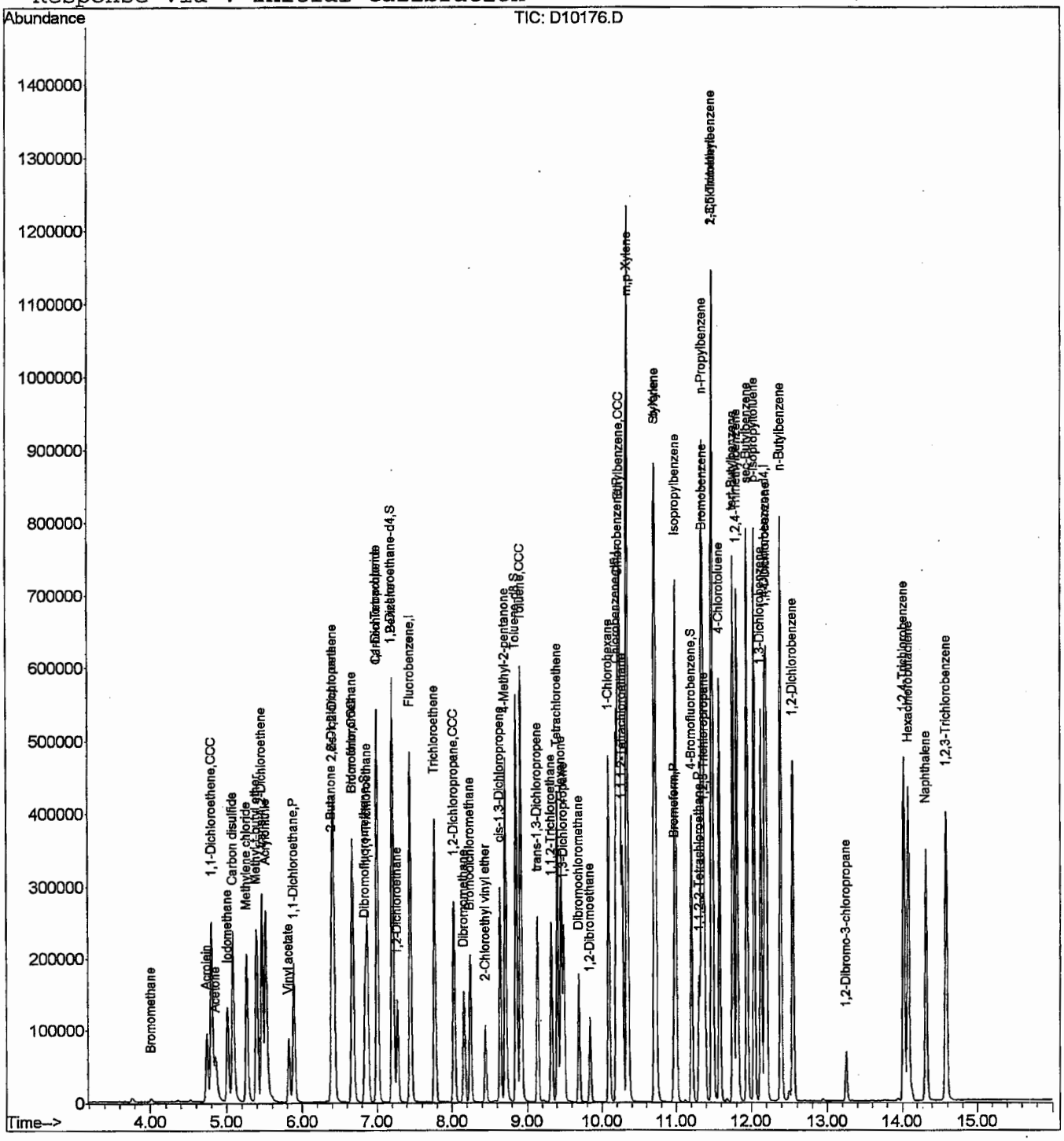
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37) cis-1,3-Dichloropropene	8.64	75	170705	50.50 ppb	94
38) 4-Methyl-2-pentanone	8.71	43	314619	224.68 ppb	100
40) Toluene	8.92	91	439975	49.70 ppb	99
41) trans-1,3-Dichloropropene	9.14	75	138543	52.75 ppb	98
42) 1,1,2-Trichloroethane	9.32	83	68847	50.94 ppb	99
43) Tetrachloroethene	9.41	164	100647	53.22 ppb	98
44) 2-Hexanone	9.46	43	220041	230.54 ppb	98
45) 1,3-Dichloropropane	9.49	76	137107	52.04 ppb	99
46) Dibromochloromethane	9.69	129	92774	55.74 ppb	100
47) 1,2-Dibromoethane	9.84	107	79080	53.66 ppb	98
49) 1-Chlorohexane	10.10	91	167571	53.50 ppb	97
50) Chlorobenzene	10.22	112	292098	53.87 ppb	99
51) Ethylbenzene	10.25	91	483983	52.23 ppb	98
52) 1,1,1,2-Tetrachloroethane	10.28	131	93843	56.02 ppb	99
53) m,p-Xylene	10.35	106	393684	109.46 ppb	97
54) o-Xylene	10.71	106	197657	54.40 ppb	98
55) Styrene	10.73	104	316280	53.84 ppb	99
56) Bromoform	10.97	173	55915	54.57 ppb	100
57) Isopropylbenzene	11.00	105	474008	50.91 ppb	98
60) 1,1,2,2-Tetrachloroethane	11.31	83	86463	52.65 ppb	99
61) n-Propylbenzene	11.34	91	596632	51.12 ppb	96
62) Bromobenzene	11.37	156	115051	52.18 ppb	99
63) 1,2,3-Trichloropropane	11.39	110	26261	52.68 ppb	89
64) 1,3,5-Trimethylbenzene	11.48	105	409957	51.20 ppb	100
65) 2-Chlorotoluene	11.49	91	370394	50.26 ppb	99
66) 4-Chlorotoluene	11.58	91	337608	51.47 ppb	98
67) tert-Butylbenzene	11.76	119	366626	52.54 ppb	98
68) 1,2,4-Trimethylbenzene	11.81	105	401503	53.22 ppb	98
69) sec-Butylbenzene	11.95	105	546248	53.46 ppb	98
70) p-Isopropyltoluene	12.04	119	452611	52.30 ppb	97
71) 1,3-Dichlorobenzene	12.13	146	226246	51.86 ppb	98
72) 1,4-Dichlorobenzene	12.21	146	226430	49.99 ppb	99
73) n-Butylbenzene	12.39	91	440828	54.59 ppb	98
74) 1,2-Dichlorobenzene	12.55	146	207989	54.27 ppb	100
75) 1,2-Dibromo-3-chloropropan	13.25	75	18509	51.92 ppb	95
76) 1,2,4-Trichlorobenzene	14.02	180	177554	55.72 ppb	99
77) Hexachlorobutadiene	14.08	225	99180	57.14 ppb	99
78) Naphthalene	14.32	128	335174	54.22 ppb	100
79) 1,2,3-Trichlorobenzene	14.59	180	158240	54.12 ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10176.D Vial: 6
Acq On : 27 Jun 2005 13:24 Operator: TWK SOP525r1
Sample : VL050627-4LCS Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 15:06 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10177.D Vial: 7
Acq On : 27 Jun 2005 13:45 Operator: TWK SOP525r10
Sample : VL050627-4LCSD Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 15:06:38 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	451555	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	165796	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.18	152	149771	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	103802	52.74 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 105.48%		
29) 1,2-Dichloroethane-d4	7.21	65	93086	50.76 ppb	0.00
Spiked Amount 50.000			Recovery = 101.52%		
39) Toluene-d8	8.85	98	394124	53.83 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 107.66%		
59) 4-Bromofluorobenzene	11.20	95	143880	55.75 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 111.50%		
Target Compounds					Qvalue
5) Bromomethane	4.01	96	3075	1.97 ppb	94
9) Acrolein	4.74	56	96638	425.36 ppb	99
10) 1,1-Dichloroethene	4.81	96	125235	58.97 ppb	95
11) Acetone	4.86	58	26917	214.62 ppb	98
12) Iodomethane	5.02	142	171335	56.70 ppb	97
13) Carbon disulfide	5.08	76	387000	51.08 ppb	98
14) Methylene chloride	5.27	84	111234	51.76 ppb	98
15) Methyl-t-butyl ether	5.39	73	274005	49.14 ppb	98
16) trans-1,2-Dichloroethene	5.47	96	125952	54.02 ppb	92
17) Acrylonitrile	5.52	53	251995	539.67 ppb	99
18) Vinyl acetate	5.82	43	136278	39.11 ppb	97
19) 1,1-Dichloroethane	5.89	63	205039	52.64 ppb	100
20) 2-Butanone	6.39	43	148677	205.21 ppb	99
21) 2,2-Dichloropropane	6.42	77	179118	51.56 ppb	97
22) cis-1,2-Dichloroethene	6.43	96	123724	51.29 ppb	97
23) Bromochloromethane	6.67	128	50617	50.40 ppb	94
24) Chloroform	6.68	83	193714	51.25 ppb	99
26) 1,1,1-Trichloroethane	6.87	97	180809	50.29 ppb	99
27) Carbon Tetrachloride	7.00	117	161137	54.62 ppb	100
28) 1,1-Dichloropropene	7.01	75	170409	52.11 ppb	100
30) Benzene	7.21	78	461418	50.45 ppb	99
31) 1,2-Dichloroethane	7.27	62	113502	50.82 ppb	98
32) Trichloroethene	7.77	95	131950	51.39 ppb	99
33) 1,2-Dichloropropane	8.03	63	113840	49.44 ppb	99
34) Dibromomethane	8.16	93	57213	51.02 ppb	99
35) Bromodichloromethane	8.25	83	138686	53.56 ppb	99
36) 2-Chloroethyl vinyl ether	8.45	63	47322	50.33 ppb	99

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10177.D Vial: 7
Acq On : 27 Jun 2005 13:45 Operator: TWK SOP525r10
Sample : VL050627-4LCSD Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 15:06:38 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

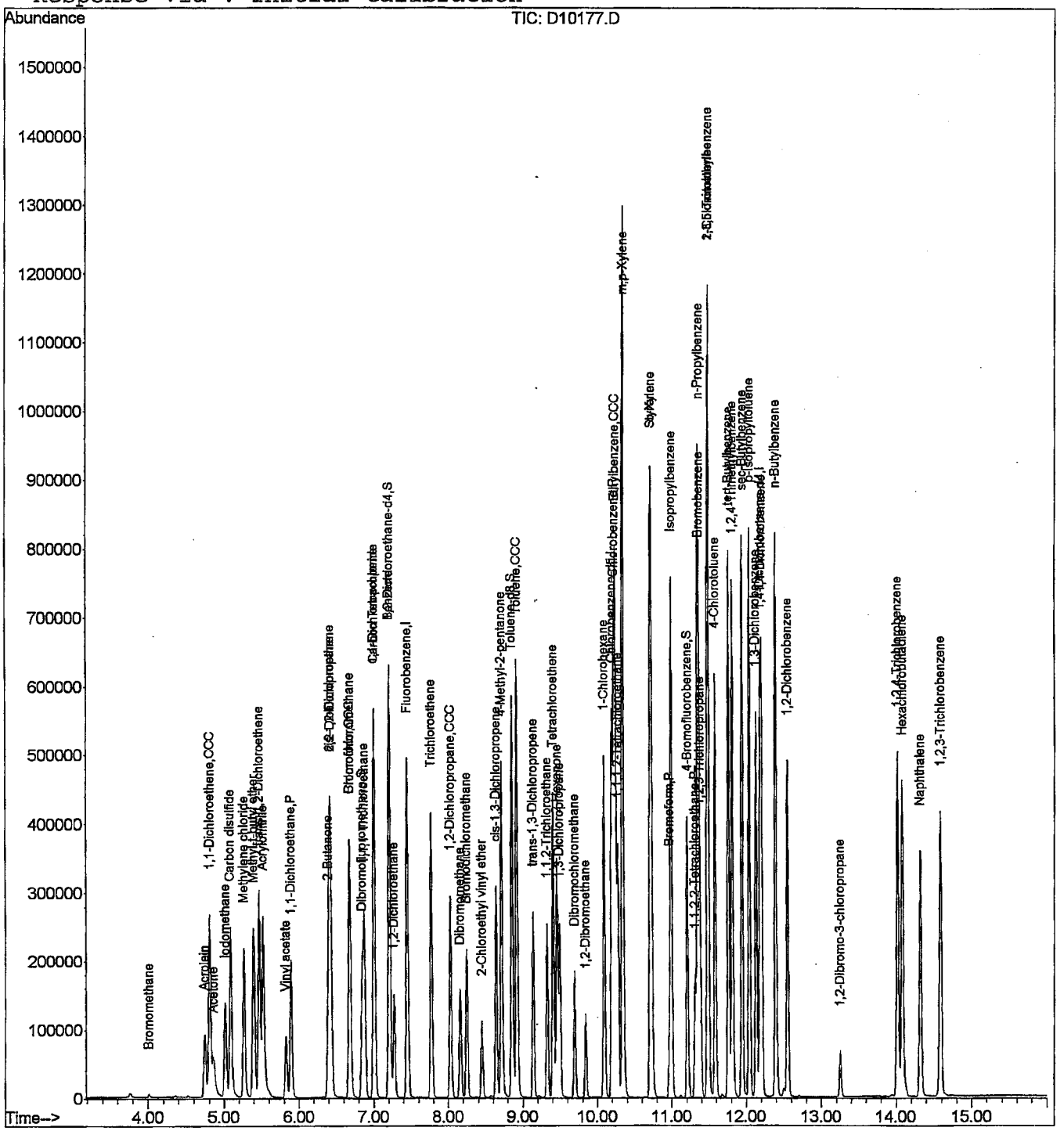
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
37)	cis-1,3-Dichloropropene	8.64	75	179104	51.08 ppb	93
38)	4-Methyl-2-pentanone	8.71	43	323206	222.50 ppb	99
40)	Toluene	8.92	91	463650	50.49 ppb	99
41)	trans-1,3-Dichloropropene	9.14	75	146256	53.68 ppb	98
42)	1,1,2-Trichloroethane	9.32	83	70444	50.24 ppb	98
43)	Tetrachloroethene	9.41	164	104982	53.52 ppb	99
44)	2-Hexanone	9.46	43	220750	222.96 ppb	98
45)	1,3-Dichloropropane	9.49	76	142713	52.22 ppb	100
46)	Dibromochloromethane	9.69	129	97097	56.24 ppb	99
47)	1,2-Dibromoethane	9.84	107	82081	53.69 ppb	97
49)	1-Chlorohexane	10.10	91	175684	53.17 ppb	96
50)	Chlorobenzene	10.22	112	302716	52.92 ppb	98
51)	Ethylbenzene	10.25	91	504106	51.57 ppb	99
52)	1,1,1,2-Tetrachloroethane	10.28	131	97475	55.16 ppb	99
53)	m,p-Xylene	10.35	106	407283	107.34 ppb	98
54)	o-Xylene	10.71	106	205098	53.50 ppb	98
55)	Styrene	10.73	104	324152	52.31 ppb	99
56)	Bromoform	10.97	173	57059	52.94 ppb	99
57)	Isopropylbenzene	11.00	105	493044	50.19 ppb	99
60)	1,1,2,2-Tetrachloroethane	11.31	83	88898	52.80 ppb	100
61)	n-Propylbenzene	11.34	91	622148	52.00 ppb	97
62)	Bromobenzene	11.37	156	119560	52.89 ppb	99
63)	1,2,3-Trichloropropane	11.39	110	26732	52.31 ppb	90
64)	1,3,5-Trimethylbenzene	11.48	105	424743	51.74 ppb	98
65)	2-Chlorotoluene	11.49	91	386065	51.10 ppb	98
66)	4-Chlorotoluene	11.58	91	351020	52.19 ppb	99
67)	tert-Butylbenzene	11.76	119	380514	53.19 ppb	99
68)	1,2,4-Trimethylbenzene	11.81	105	419439	54.23 ppb	99
69)	sec-Butylbenzene	11.95	105	564879	53.93 ppb	97
70)	p-Isopropyltoluene	12.04	119	468234	52.77 ppb	97
71)	1,3-Dichlorobenzene	12.13	146	231410	51.74 ppb	99
72)	1,4-Dichlorobenzene	12.21	146	232031	49.97 ppb	99
73)	n-Butylbenzene	12.39	91	460735	55.65 ppb	98
74)	1,2-Dichlorobenzene	12.55	146	215025	54.73 ppb	99
75)	1,2-Dibromo-3-chloropropan	13.25	75	18312	50.30 ppb	97
76)	1,2,4-Trichlorobenzene	14.02	180	186521	57.10 ppb	99
77)	Hexachlorobutadiene	14.08	225	107391	59.97 ppb	99
78)	Naphthalene	14.32	128	345989	54.59 ppb	100
79)	1,2,3-Trichlorobenzene	14.59	180	165839	55.32 ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10177.D Vial: 7
Acq On : 27 Jun 2005 13:45 Operator: TWK SOP525r1
Sample : VL050627-4LCSD Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 27 15:06 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10189.D Vial: 19
Acq On : 27 Jun 2005 18:10 Operator: TWK SOP525r10
Sample : 0506217-11MS 10X Inst : HPV-4
Misc : 5mL heated water (500uL) Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 10:00:10 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	7.45	96	555184	50.00	ppb	0.00
48) Chlorobenzene-d5	10.20	82	198846	50.00	ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.18	152	180973	50.00	ppb	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	6.84	113	123629	51.09	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 102.18%			
29) 1,2-Dichloroethane-d4	7.20	65	100923	44.76	ppb	0.00
Spiked Amount 50.000			Recovery = 89.52%			
39) Toluene-d8	8.85	98	470236	52.24	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 104.48%			
59) 4-Bromofluorobenzene	11.20	95	171006	54.83	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 109.66%			

Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.26	85	245820	52.82	ppb		100
3) Chloromethane	3.51	50	172146	47.35	ppb		99
4) Vinyl chloride	3.63	62	192427	48.00	ppb		100
5) Bromomethane	4.01	96	95754	49.82	ppb		99
6) Chloroethane	4.09	64	88670	48.33	ppb		97
7) Trichlorofluoromethane	4.30	101	215145	48.73	ppb		99
8) 1,1,2-Trichloro-1,2,2-trif	4.72	101	152004	46.78	ppb		99
9) Acrolein	4.74	56	26015	93.13	ppb		98
10) 1,1-Dichloroethene	4.81	96	124921	47.84	ppb		88
11) Acetone	4.86	58	34602	224.84	ppb		91
12) Iodomethane	5.02	142	184839	49.75	ppb		94
13) Carbon disulfide	5.08	76	413376	44.37	ppb		97
14) Methylene chloride	5.27	84	122764	46.30	ppb		94
15) Methyl-t-butyl ether	5.39	73	341509	49.82	ppb	#	92
16) trans-1,2-Dichloroethene	5.47	96	141584	49.39	ppb		93
17) Acrylonitrile	5.52	53	300887	524.10	ppb		97
18) Vinyl acetate	5.82	43	153250	35.77	ppb		96
19) 1,1-Dichloroethane	5.89	63	227481	47.50	ppb		100
20) 2-Butanone	6.39	43	192519	216.13	ppb		97
21) 2,2-Dichloropropane	6.41	77	186660	43.70	ppb		96
22) cis-1,2-Dichloroethene	6.43	96	141479	47.70	ppb		94
23) Bromochloromethane	6.67	128	61202	49.56	ppb		92
24) Chloroform	6.68	83	217013	46.70	ppb		97
26) 1,1,1-Trichloroethane	6.87	97	190466	43.09	ppb		97
27) Carbon Tetrachloride	7.00	117	165895	45.74	ppb		99
28) 1,1-Dichloropropene	7.01	75	186723	46.44	ppb		98
30) Benzene	7.21	78	1067298	94.92	ppb	low	98

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10189.D Vial: 19
Acq On : 27 Jun 2005 18:10 Operator: TWK SOP525r10
Sample : 0506217-11MS 10X Inst : HPV-4
Misc : 5mL heated water (500uL) Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 10:00:10 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31)	1,2-Dichloroethane	7.27	62	120709	43.96 ppb	#	97
32)	Trichloroethene	7.77	95	150162	47.57 ppb		96
33)	1,2-Dichloropropane	8.03	63	135969	48.03 ppb		99
34)	Dibromomethane	8.16	93	68751	49.86 ppb		96
35)	Bromodichloromethane	8.25	83	162350	51.00 ppb		100
36)	2-Chloroethyl vinyl ether	8.45	63	57345	49.61 ppb		99
37)	cis-1,3-Dichloropropene	8.64	75	212403	49.27 ppb		93
38)	4-Methyl-2-pentanone	8.71	43	396298	221.90 ppb		97
40)	Toluene	8.92	91	1363645	120.77 ppb	low	97
41)	trans-1,3-Dichloropropene	9.14	75	170706	50.96 ppb		96
42)	1,1,2-Trichloroethane	9.32	83	89655	52.01 ppb		98
43)	Tetrachloroethene	9.41	164	119689	49.63 ppb		98
44)	2-Hexanone	9.46	43	278054	228.42 ppb		94
45)	1,3-Dichloropropane	9.49	76	174368	51.89 ppb		100
46)	Dibromochloromethane	9.69	129	119777	56.43 ppb		99
47)	1,2-Dibromoethane	9.84	107	102916	54.75 ppb		98
49)	1-Chlorohexane	10.10	91	198809	50.16 ppb		93
50)	Chlorobenzene	10.22	112	365412	53.26 ppb		99
51)	Ethylbenzene	10.25	91	697602	59.50 ppb		99
52)	1,1,1,2-Tetrachloroethane	10.28	131	118376	55.85 ppb		99
53)	m,p-Xylene	10.35	106	572834	125.88 ppb		98
54)	o-Xylene	10.71	106	283779	61.72 ppb		97
55)	Styrene	10.73	104	389016	52.34 ppb		98
56)	Bromoform	10.97	173	71698	55.24 ppb		99
57)	Isopropylbenzene	11.00	105	562136	47.71 ppb		99
60)	1,1,2,2-Tetrachloroethane	11.31	83	117431	57.72 ppb		99
61)	n-Propylbenzene	11.34	91	698329	48.30 ppb		99
62)	Bromobenzene	11.37	156	146153	53.51 ppb		97
63)	1,2,3-Trichloropropane	11.39	110	32621	52.83 ppb		98
64)	1,3,5-Trimethylbenzene	11.48	105	492046	49.60 ppb		99
65)	2-Chlorotoluene	11.49	91	435391	47.69 ppb		100
66)	4-Chlorotoluene	11.58	91	399726	49.19 ppb		99
67)	tert-Butylbenzene	11.76	119	419841	48.57 ppb		98
68)	1,2,4-Trimethylbenzene	11.81	105	508924	54.46 ppb		100
69)	sec-Butylbenzene	11.95	105	607158	47.97 ppb		98
70)	p-Isopropyltoluene	12.04	119	507941	47.38 ppb		98
71)	1,3-Dichlorobenzene	12.13	146	273682	50.64 ppb		98
72)	1,4-Dichlorobenzene	12.21	146	275200	49.05 ppb		98
73)	n-Butylbenzene	12.39	91	477250	47.71 ppb		99
74)	1,2-Dichlorobenzene	12.55	146	256157	53.96 ppb		99
75)	1,2-Dibromo-3-chloropropan	13.25	75	21762	49.57 ppb		93

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10189.D Vial: 19
Acq On : 27 Jun 2005 18:10 Operator: TWK SOP525r10
Sample : 0506217-11MS 10X Inst : HPV-4
Misc : 5mL heated water (500uL) Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 10:00:10 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

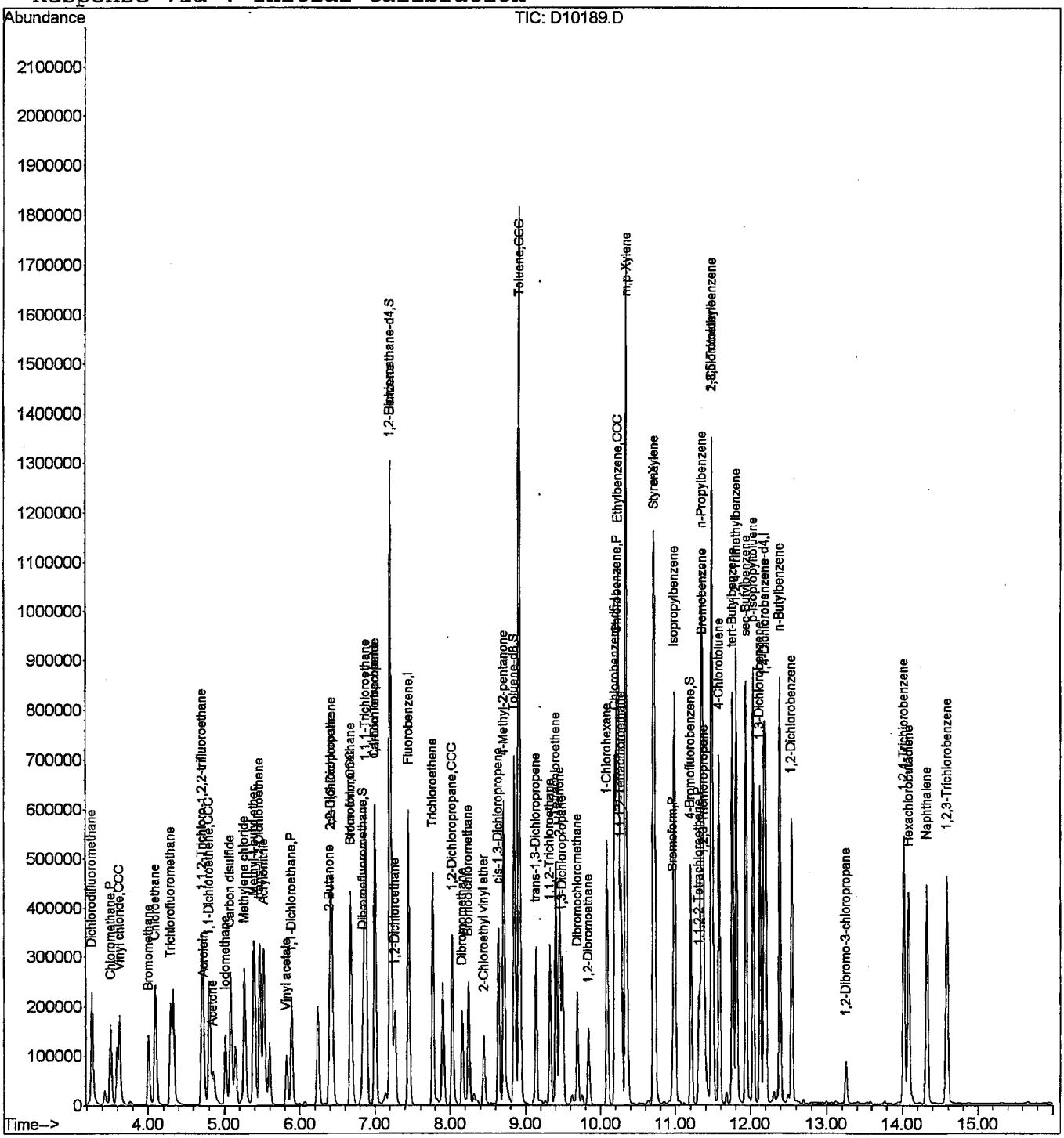
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76)	1,2,4-Trichlorobenzene	14.02	180	209972	53.19 ppb	99
77)	Hexachlorobutadiene	14.08	225	103511	49.01 ppb	99
78)	Naphthalene	14.32	128	432011	56.41 ppb	100
79)	1,2,3-Trichlorobenzene	14.59	180	190834	52.68 ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10189.D Vial: 19
Acq On : 27 Jun 2005 18:10 Operator: TWK SOP525r1
Sample : 0506217-11MS 10X Inst : HPV-4
Misc : 5mL heated water (500uL) Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 10:00 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10190.D Vial: 20
Acq On : 27 Jun 2005 18:31 Operator: TWK SOP525r10
Sample : 0506217-11MSD 10X Inst : HPV-4
Misc : 5mL heated water (500uL) Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 10:00:43 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	550830	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	198348	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.18	152	179460	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	125093	52.10 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 104.20%		
29) 1,2-Dichloroethane-d4	7.20	65	101306	45.28 ppb	0.00
Spiked Amount 50.000			Recovery = 90.56%		
39) Toluene-d8	8.85	98	474864	53.17 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 106.34%		
59) 4-Bromofluorobenzene	11.20	95	169971	54.96 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 109.92%		

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.26	85	242380	52.50 ppb		99
3) Chloromethane	3.51	50	171436	47.53 ppb		99
4) Vinyl chloride	3.63	62	191174	48.06 ppb		100
5) Bromomethane	4.01	96	93671	49.12 ppb		98
6) Chloroethane	4.09	64	83450	45.84 ppb		98
7) Trichlorofluoromethane	4.30	101	214475	48.97 ppb		99
8) 1,1,2-Trichloro-1,2,2-trif	4.72	101	152770	47.39 ppb		99
9) Acrolein	4.74	56	19724	71.17 ppb		97
10) 1,1-Dichloroethene	4.81	96	130606	50.41 ppb		89
11) Acetone	4.86	58	33616	219.96 ppb		89
12) Iodomethane	5.02	142	190844	51.77 ppb		94
13) Carbon disulfide	5.08	76	433208	46.87 ppb		97
14) Methylene chloride	5.27	84	128129	48.79 ppb		95
15) Methyl-t-butyl ether	5.39	73	343833	50.55 ppb	#	93
16) trans-1,2-Dichloroethene	5.47	96	147599	51.89 ppb		91
17) Acrylonitrile	5.52	53	299907	526.52 ppb		97
18) Vinyl acetate	5.83	43	156213	36.75 ppb		95
19) 1,1-Dichloroethane	5.89	63	236691	49.82 ppb		99
20) 2-Butanone	6.40	43	186907	211.49 ppb		95
21) 2,2-Dichloropropane	6.41	77	194839	45.98 ppb		97
22) cis-1,2-Dichloroethene	6.43	96	148217	50.37 ppb		93
23) Bromochloromethane	6.67	128	63061	51.47 ppb		91
24) Chloroform	6.68	83	221676	48.08 ppb		97
26) 1,1,1-Trichloroethane	6.87	97	198916	45.36 ppb		98
27) Carbon Tetrachloride	7.00	117	174423	48.47 ppb		100
28) 1,1-Dichloropropene	7.01	75	193112	48.41 ppb		98
30) Benzene	7.21	78	1077059	96.55 ppb		99

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10190.D Vial: 20
Acq On : 27 Jun 2005 18:31 Operator: TWK SOP525r10
Sample : 0506217-11MSD 10X Inst : HPV-4
Misc : 5mL heated water (500uL) Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 10:00:43 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31) 1,2-Dichloroethane	7.27	62	123458	45.31 ppb	#	96
32) Trichloroethene	7.77	95	154787	49.42 ppb		97
33) 1,2-Dichloropropane	8.03	63	137124	48.82 ppb		99
34) Dibromomethane	8.16	93	69476	50.79 ppb		96
35) Bromodichloromethane	8.25	83	162156	51.34 ppb		100
36) 2-Chloroethyl vinyl ether	8.45	63	57369	50.02 ppb		97
37) cis-1,3-Dichloropropene	8.64	75	214331	50.11 ppb	#	92
38) 4-Methyl-2-pentanone	8.71	43	389169	219.63 ppb		98
40) Toluene	8.92	91	1385427	123.67 ppb		97
41) trans-1,3-Dichloropropene	9.14	75	169386	50.96 ppb		96
42) 1,1,2-Trichloroethane	9.32	83	88489	51.74 ppb		98
43) Tetrachloroethene	9.41	164	124730	52.12 ppb		99
44) 2-Hexanone	9.46	43	270030	223.58 ppb		95
45) 1,3-Dichloropropane	9.49	76	174348	52.29 ppb		100
46) Dibromochloromethane	9.69	129	118761	56.39 ppb		98
47) 1,2-Dibromoethane	9.84	107	102558	54.99 ppb		99
49) 1-Chlorohexane	10.09	91	208435	52.72 ppb		95
50) Chlorobenzene	10.22	112	368201	53.80 ppb		99
51) Ethylbenzene	10.25	91	714305	61.08 ppb		100
52) 1,1,1,2-Tetrachloroethane	10.28	131	118128	55.88 ppb		99
53) m,p-Xylene	10.35	106	580790	127.95 ppb		97
54) o-Xylene	10.71	106	285036	62.15 ppb		97
55) Styrene	10.73	104	387226	52.23 ppb		98
56) Bromoform	10.97	173	70244	54.34 ppb		98
57) Isopropylbenzene	11.00	105	577543	49.15 ppb		100
60) 1,1,2,2-Tetrachloroethane	11.31	83	115571	57.29 ppb		99
61) n-Propylbenzene	11.34	91	718662	50.13 ppb		99
62) Bromobenzene	11.37	156	144443	53.33 ppb		98
63) 1,2,3-Trichloropropane	11.39	110	31477	51.40 ppb		89
64) 1,3,5-Trimethylbenzene	11.48	105	507105	51.55 ppb		99
65) 2-Chlorotoluene	11.49	91	444282	49.08 ppb		100
66) 4-Chlorotoluene	11.58	91	408977	50.75 ppb		100
67) tert-Butylbenzene	11.76	119	446613	52.10 ppb		97
68) 1,2,4-Trimethylbenzene	11.81	105	522804	56.41 ppb		99
69) sec-Butylbenzene	11.95	105	651754	51.93 ppb		99
70) p-Isopropyltoluene	12.04	119	541859	50.96 ppb		98
71) 1,3-Dichlorobenzene	12.13	146	280078	52.26 ppb		98
72) 1,4-Dichlorobenzene	12.21	146	280837	50.48 ppb		98
73) n-Butylbenzene	12.39	91	529875	53.42 ppb		99
74) 1,2-Dichlorobenzene	12.55	146	259775	55.18 ppb		98
75) 1,2-Dibromo-3-chloropropan	13.25	75	22248	50.92 ppb		95

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10190.D Vial: 20
Acq On : 27 Jun 2005 18:31 Operator: TWK SOP525r10
Sample : 0506217-11MSD 10X Inst : HPV-4
Misc : 5mL heated water (500uL) Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 10:00:43 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

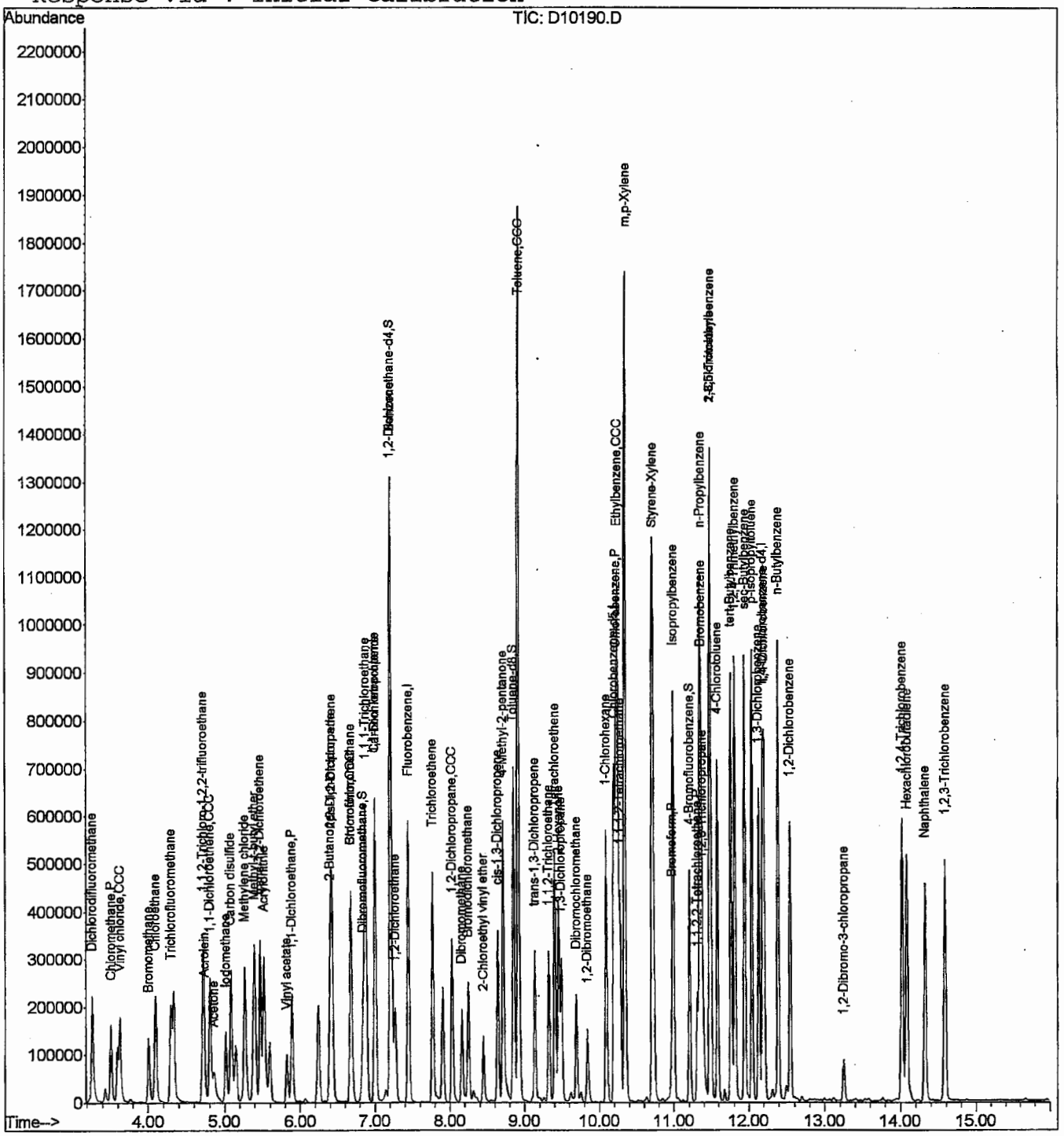
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76) 1,2,4-Trichlorobenzene	14.02	180	226923	57.97 ppb	99
77) Hexachlorobutadiene	14.08	225	124655	58.31 ppb	99
78) Naphthalene	14.32	128	445142	58.61 ppb	100
79) 1,2,3-Trichlorobenzene	14.59	180	207026	57.63 ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062705\D10190.D Vial: 20
Acq On : 27 Jun 2005 18:31 Operator: TWK SOP525r1
Sample : 0506217-11MSD 10X Inst : HPV-4
Misc : 5mL heated water (500uL) Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 10:00 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Mon Jun 27 13:10:23 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10203.D Vial: 6
Acq On : 28 Jun 2005 11:58 Operator: TWK SOP525r10
Sample : VL050628-4LCS Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 12:17:53 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	474053	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	167324	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.18	152	155954	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	103710	50.19 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 100.38%		
29) 1,2-Dichloroethane-d4	7.21	65	89588	46.53 ppb	0.00
Spiked Amount 50.000			Recovery = 93.06%		
39) Toluene-d8	8.85	98	402412	52.35 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery = 104.70%		
59) 4-Bromofluorobenzene	11.21	95	144373	53.72 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 107.44%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.26	85	213366	53.70 ppb	99
3) Chloromethane	3.51	50	136791	44.06 ppb	99
4) Vinyl chloride	3.63	62	171682	50.15 ppb	99
5) Bromomethane	4.01	96	103977	63.36 ppb	98
6) Chloroethane	4.09	64	77035	49.17 ppb	98
7) Trichlorofluoromethane	4.30	101	193467	51.32 ppb	98
8) 1,1,2-Trichloro-1,2,2-trif	4.72	101	133904	48.26 ppb	100
9) Acrolein	4.74	56	92619	388.33 ppb	100
10) 1,1-Dichloroethene	4.81	96	112202	50.32 ppb	92
11) Acetone	4.86	58	29587	225.17 ppb	90
12) Iodomethane	5.02	142	188822	59.52 ppb	95
13) Carbon disulfide	5.09	76	364468	45.82 ppb	97
14) Methylene chloride	5.27	84	126688	56.29 ppb	96
15) Methyl-t-butyl ether	5.40	73	271586	46.40 ppb	97
16) trans-1,2-Dichloroethene	5.47	96	123972	50.64 ppb	92
17) Acrylonitrile	5.52	53	276317	563.67 ppb	98
18) Vinyl acetate	5.83	43	141491	38.68 ppb	95
19) 1,1-Dichloroethane	5.89	63	192731	47.13 ppb	100
20) 2-Butanone	6.40	43	170107	223.65 ppb	97
21) 2,2-Dichloropropane	6.42	77	171270	46.96 ppb	95
22) cis-1,2-Dichloroethene	6.43	96	122344	48.31 ppb	95
23) Bromochloromethane	6.68	128	52718	50.00 ppb	89
24) Chloroform	6.68	83	185316	46.70 ppb	99
26) 1,1,1-Trichloroethane	6.87	97	171864	45.53 ppb	97
27) Carbon Tetrachloride	7.00	117	151666	48.97 ppb	99
28) 1,1-Dichloropropene	7.01	75	165332	48.16 ppb	99
30) Benzene	7.21	78	459422	47.85 ppb	98

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10203.D Vial: 6
Acq On : 28 Jun 2005 11:58 Operator: TWK SOP525r10
Sample : VL050628-4LCS Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 12:17:53 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31)	1,2-Dichloroethane	7.27	62	105850	45.14 ppb		98
32)	Trichloroethene	7.77	95	130402	48.38 ppb		98
33)	1,2-Dichloropropane	8.03	63	113791	47.08 ppb		99
34)	Dibromomethane	8.16	93	59093	50.20 ppb		96
35)	Bromodichloromethane	8.25	83	134905	49.63 ppb		98
36)	2-Chloroethyl vinyl ether	8.45	63	50284	50.94 ppb		97
37)	cis-1,3-Dichloropropene	8.64	75	179086	48.65 ppb	#	88
38)	4-Methyl-2-pentanone	8.71	43	347750	228.04 ppb		98
40)	Toluene	8.92	91	458228	47.53 ppb		99
41)	trans-1,3-Dichloropropene	9.14	75	144412	50.49 ppb		95
42)	1,1,2-Trichloroethane	9.33	83	74790	50.81 ppb		96
43)	Tetrachloroethene	9.41	164	107348	52.13 ppb		99
44)	2-Hexanone	9.46	43	245654	236.34 ppb		95
45)	1,3-Dichloropropane	9.50	76	145256	50.62 ppb		99
46)	Dibromochloromethane	9.69	129	100848	55.64 ppb		98
47)	1,2-Dibromoethane	9.84	107	87546	54.55 ppb		98
49)	1-Chlorohexane	10.10	91	173499	52.02 ppb		94
50)	Chlorobenzene	10.22	112	309773	53.66 ppb		98
51)	Ethylbenzene	10.25	91	499251	50.61 ppb		99
52)	1,1,1,2-Tetrachloroethane	10.28	131	98243	55.09 ppb		99
53)	m,p-Xylene	10.35	106	407055	106.30 ppb		99
54)	o-Xylene	10.71	106	205636	53.15 ppb		99
55)	Styrene	10.73	104	328848	52.58 ppb		98
56)	Bromoform	10.97	173	62712	57.24 ppb		99
57)	Isopropylbenzene	11.00	105	484414	48.86 ppb		98
60)	1,1,2,2-Tetrachloroethane	11.31	83	98145	55.98 ppb		99
61)	n-Propylbenzene	11.35	91	610240	48.98 ppb		100
62)	Bromobenzene	11.37	156	123382	52.42 ppb		99
63)	1,2,3-Trichloropropane	11.39	110	28794	54.11 ppb		92
64)	1,3,5-Trimethylbenzene	11.48	105	414894	48.53 ppb		99
65)	2-Chlorotoluene	11.49	91	376153	47.81 ppb		100
66)	4-Chlorotoluene	11.58	91	344341	49.17 ppb		100
67)	tert-Butylbenzene	11.76	119	377237	50.64 ppb		97
68)	1,2,4-Trimethylbenzene	11.81	105	404835	50.27 ppb		99
69)	sec-Butylbenzene	11.95	105	551798	50.59 ppb		99
70)	p-Isopropyltoluene	12.04	119	454957	49.24 ppb		98
71)	1,3-Dichlorobenzene	12.13	146	237290	50.95 ppb		96
72)	1,4-Dichlorobenzene	12.21	146	237981	49.22 ppb		97
73)	n-Butylbenzene	12.39	91	437935	50.80 ppb		99
74)	1,2-Dichlorobenzene	12.55	146	219130	53.56 ppb		99
75)	1,2-Dibromo-3-chloropropan	13.25	75	19997	52.47 ppb		95

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10203.D Vial: 6
Acq On : 28 Jun 2005 11:58 Operator: TWK SOP525r10
Sample : VL050628-4LCS Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 12:17:53 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

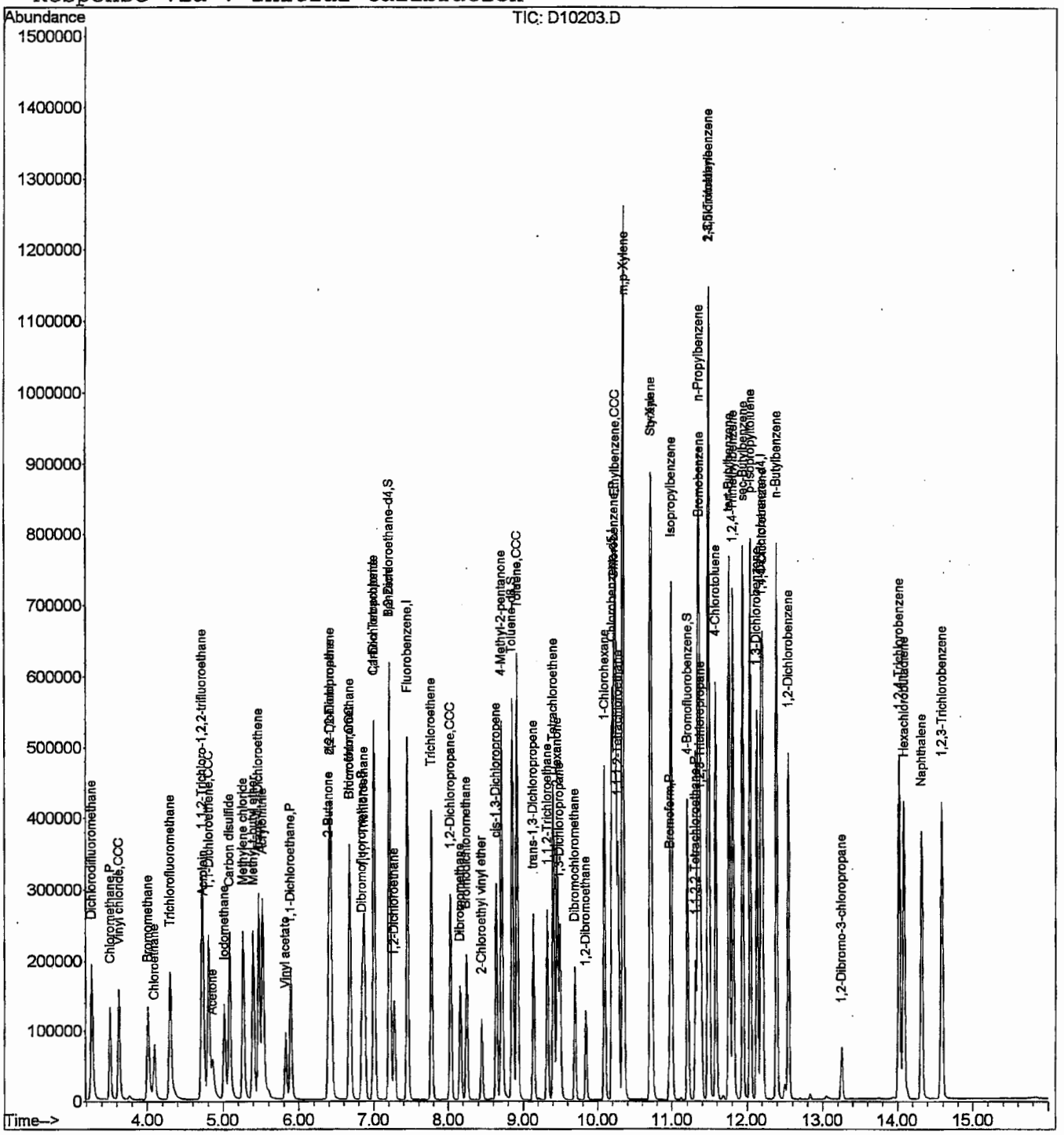
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76) 1,2,4-Trichlorobenzene	14.02	180	189578	55.73 ppb	99
77) Hexachlorobutadiene	14.08	225	102637	55.58 ppb	99
78) Naphthalene	14.32	128	376447	57.04 ppb	100
79) 1,2,3-Trichlorobenzene	14.59	180	171451	54.92 ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10203.D Vial: 6
Acq On : 28 Jun 2005 11:58 Operator: TWK SOP525r1
Sample : VL050628-4LCS Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 12:17 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10204.D Vial: 7
Acq On : 28 Jun 2005 12:19 Operator: TWK SOP525r10
Sample : VL050628-4LCSD Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 12:38:59 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	7.45	96	502345	50.00 ppb	0.00
48) Chlorobenzene-d5	10.20	82	178760	50.00 ppb	0.00
58) 1,4-Dichlorobenzene-d4	12.18	152	162399	50.00 ppb	0.00
System Monitoring Compounds					
25) Dibromofluoromethane	6.84	113	113094	51.65 ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	103.30%	
29) 1,2-Dichloroethane-d4	7.20	65	96800	47.45 ppb	0.00
Spiked Amount 50.000			Recovery =	94.90%	
39) Toluene-d8	8.85	98	432463	53.09 ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery =	106.18%	
59) 4-Bromofluorobenzene	11.20	95	156780	56.02 ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	112.04%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.26	85	229000	54.39 ppb	100
3) Chloromethane	3.51	50	149363	45.40 ppb	99
4) Vinyl chloride	3.63	62	184143	50.76 ppb	99
5) Bromomethane	4.01	96	105742	60.81 ppb	99
6) Chloroethane	4.09	64	81029	48.81 ppb	98
7) Trichlorofluoromethane	4.30	101	206849	51.78 ppb	99
8) 1,1,2-Trichloro-1,2,2-trif	4.72	101	145579	49.52 ppb	99
9) Acrolein	4.74	56	97882	387.28 ppb	100
10) 1,1-Dichloroethene	4.80	96	119410	50.54 ppb	91
11) Acetone	4.86	58	30044	215.36 ppb	94
12) Iodomethane	5.02	142	199578	59.36 ppb	94
13) Carbon disulfide	5.08	76	391033	46.39 ppb	98
14) Methylene chloride	5.27	84	136654	57.33 ppb	96
15) Methyl-t-butyl ether	5.39	73	290541	46.84 ppb	98
16) trans-1,2-Dichloroethene	5.47	96	132560	51.10 ppb	92
17) Acrylonitrile	5.52	53	287136	552.75 ppb	98
18) Vinyl acetate	5.83	43	152214	39.27 ppb	96
19) 1,1-Dichloroethane	5.89	63	209957	48.45 ppb	99
20) 2-Butanone	6.39	43	175330	217.53 ppb	99
21) 2,2-Dichloropropane	6.42	77	183627	47.51 ppb	94
22) cis-1,2-Dichloroethene	6.43	96	131912	49.15 ppb	96
23) Bromochloromethane	6.67	128	56434	50.51 ppb	92
24) Chloroform	6.68	83	200436	47.67 ppb	99
26) 1,1,1-Trichloroethane	6.87	97	185254	46.32 ppb	97
27) Carbon Tetrachloride	7.00	117	164074	49.99 ppb	100
28) 1,1-Dichloropropene	7.01	75	178611	49.10 ppb	99
30) Benzene	7.21	78	494099	48.57 ppb	98

(#) = qualifier out of range (m) = manual integration
D10204.D 060705S.M Tue Jun 28 12:39:00 2005 HPV4 2/6/28/05

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10204.D Vial: 7
Acq On : 28 Jun 2005 12:19 Operator: TWK SOP525r10
Sample : VL050628-4LCSD Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 12:38:59 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31)	1,2-Dichloroethane	7.27	62	114556	46.10 ppb		98
32)	Trichloroethene	7.77	95	140802	49.30 ppb		98
33)	1,2-Dichloropropane	8.03	63	122566	47.85 ppb		98
34)	Dibromomethane	8.16	93	63120	50.60 ppb		97
35)	Bromodichloromethane	8.25	83	146541	50.88 ppb		99
36)	2-Chloroethyl vinyl ether	8.45	63	53894	51.53 ppb		98
37)	cis-1,3-Dichloropropene	8.64	75	194440	49.85 ppb	#	90
38)	4-Methyl-2-pentanone	8.71	43	375015	232.07 ppb		97
40)	Toluene	8.92	91	496160	48.57 ppb		98
41)	trans-1,3-Dichloropropene	9.14	75	156179	51.53 ppb		97
42)	1,1,2-Trichloroethane	9.32	83	81252	52.09 ppb		98
43)	Tetrachloroethene	9.41	164	114141	52.30 ppb		99
44)	2-Hexanone	9.46	43	262641	238.45 ppb		95
45)	1,3-Dichloropropane	9.49	76	158233	52.04 ppb		99
46)	Dibromochloromethane	9.69	129	109544	57.03 ppb		99
47)	1,2-Dibromoethane	9.84	107	93416	54.93 ppb		99
49)	1-Chlorohexane	10.10	91	185224	51.99 ppb		94
50)	Chlorobenzene	10.22	112	328939	53.33 ppb		100
51)	Ethylbenzene	10.25	91	529898	50.28 ppb		100
52)	1,1,1,2-Tetrachloroethane	10.28	131	105946	55.61 ppb		99
53)	m,p-Xylene	10.35	106	434639	106.24 ppb		100
54)	o-Xylene	10.71	106	221825	53.67 ppb		99
55)	Styrene	10.73	104	354735	53.09 ppb		98
56)	Bromoform	10.97	173	67283	57.46 ppb		99
57)	Isopropylbenzene	11.00	105	515173	48.64 ppb		99
60)	1,1,2,2-Tetrachloroethane	11.31	83	105471	57.78 ppb		100
61)	n-Propylbenzene	11.34	91	644074	49.65 ppb		99
62)	Bromobenzene	11.37	156	132400	54.02 ppb		99
63)	1,2,3-Trichloropropane	11.39	110	30516	55.07 ppb		89
64)	1,3,5-Trimethylbenzene	11.48	105	435067	48.87 ppb		99
65)	2-Chlorotoluene	11.49	91	398422	48.63 ppb		100
66)	4-Chlorotoluene	11.58	91	368328	50.51 ppb		100
67)	tert-Butylbenzene	11.76	119	397630	51.26 ppb		97
68)	1,2,4-Trimethylbenzene	11.81	105	437256	52.14 ppb		100
69)	sec-Butylbenzene	11.95	105	581862	51.23 ppb		99
70)	p-Isopropyltoluene	12.04	119	480061	49.90 ppb		98
71)	1,3-Dichlorobenzene	12.13	146	249704	51.49 ppb		98
72)	1,4-Dichlorobenzene	12.21	146	249618	49.58 ppb		99
73)	n-Butylbenzene	12.39	91	454211	50.60 ppb		99
74)	1,2-Dichlorobenzene	12.55	146	230829	54.18 ppb		100
75)	1,2-Dibromo-3-chloropropan	13.25	75	21471	53.93 ppb		95

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10204.D Vial: 7
Acq On : 28 Jun 2005 12:19 Operator: TWK SOP525r10
Sample : VL050628-4LCSD Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 12:38:59 2005 Quant Results File: 060705S.RES

Quant Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration
DataAcq Meth : 060705S

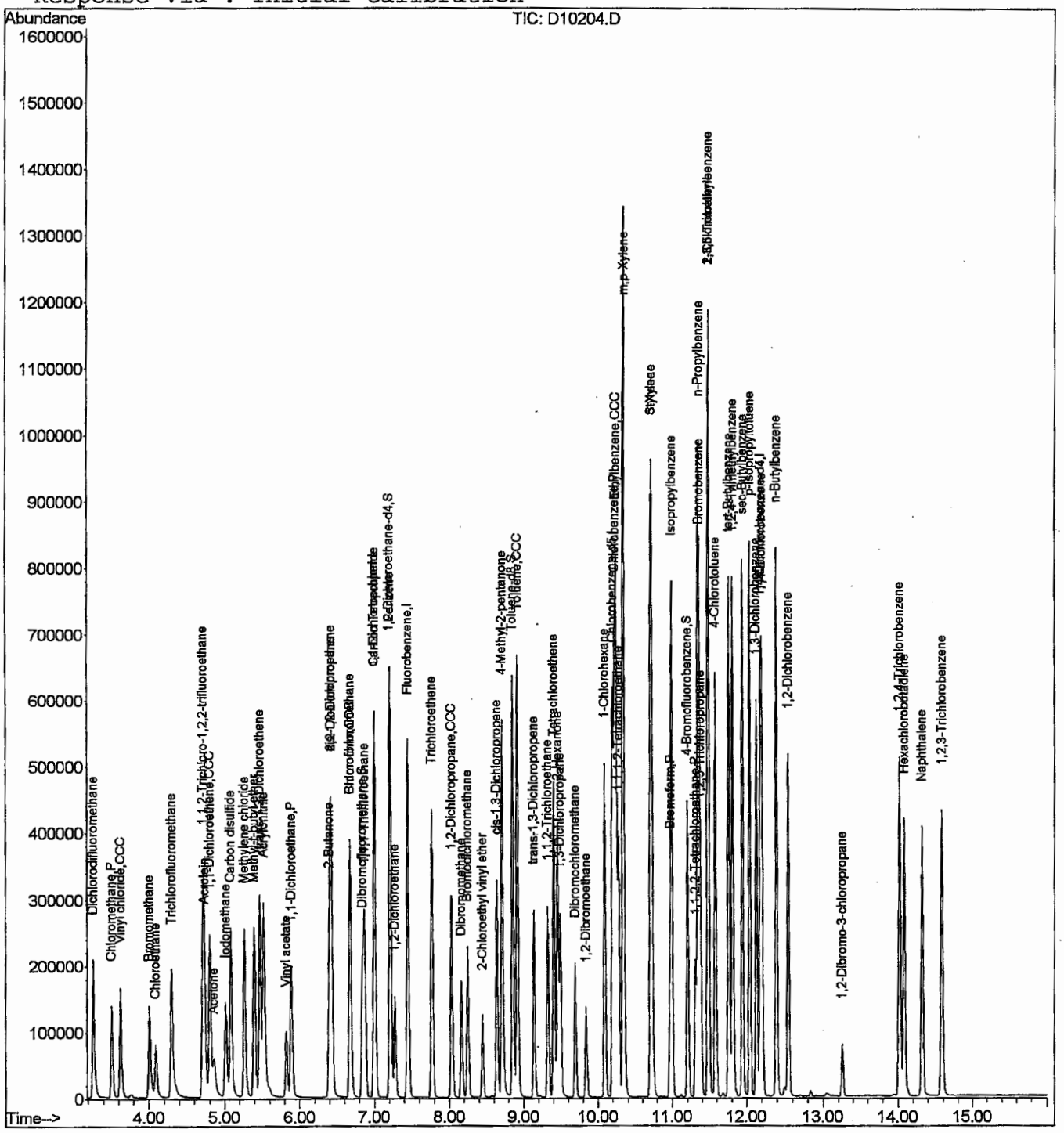
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76) 1,2,4-Trichlorobenzene	14.02	180	193810	54.72 ppb	100
77) Hexachlorobutadiene	14.08	225	100665	52.68 ppb	99
78) Naphthalene	14.32	128	389101	56.62 ppb	100
79) 1,2,3-Trichlorobenzene	14.59	180	176021	54.15 ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062805\D10204.D Vial: 7
Acq On : 28 Jun 2005 12:19 Operator: TWK SOP525r1
Sample : VL050628-4LCSD Inst : HPV-4
Misc : 5mL heated water, 2nd source Multiplr: 1.00
MS Integration Params: ETTICS.P
Quant Time: Jun 28 12:38 2005 Quant Results File: 060705S.RES

Method : C:\MSDCHEM\1\METHODS\060705S.M (RTE Integrator)
Title : GCMS Volatiles (S.O.P. 525)
Last Update : Tue Jun 28 12:03:38 2005
Response via : Initial Calibration



Miscellaneous

Paragon Analytics

GC/MS Semivolatiles Case Narrative

NMED DOE Oversight Bureau

Gandy Marley, Inc,

Order Number - 0506217

1. This report consists of 2 water samples. These samples were received cool and intact on 06/24/05.

2. These samples were prepared and analyzed according to SW-846, 3rd Edition protocol utilizing Paragon Analytics Standard Operating Procedures. Specifically, the water samples were extracted using continuous liquid-liquid extractors, according to SW-846 Method 3520C utilizing Paragon Analytics Standard Operating Procedure 617 Revision 11.

3. The extracts were analyzed using GC/MS with a DB-5.625 capillary column according to Paragon Analytics Standard Operating Procedure 506 Revision 13 based on SW-846 Method 8270C. All positive results were quantitated against the initial calibration standards using the internal standard technique. The identification of positive results was achieved by a comparison of the retention time and mass spectrum of the sample versus the daily calibration standard.

4. All initial calibration criteria for SPCC's and CCC's were met. Method 8270C states that the average response factor may be used for quantitation for all analytes if the mean of the RSD values (grand mean) for all analytes is less than or equal to 15%. All initial calibrations had a mean RSD value of less than 15%.

5. All initial calibration standards are verified by comparing a second source standard initial calibration verification (ICV) against the calibration curve. The laboratory utilizes the grand mean approach in evaluating the %D for the ICV. All ICV's had a mean %D of less than 20%, and all criteria for SPCC's and CCC's were met.

6. The laboratory utilized the grand mean approach in evaluating the %D for the continuing calibration verifications (CCV). All CCV's had a mean %D of less than 20%, and all criteria for SPCC's and CCC's were met.

7. All method blank criteria were met.

8. All laboratory control spike and laboratory control spike duplicate recoveries and RPDs were within the acceptance criteria.

9. Since a sample from this Order Number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.

10. The samples were extracted and analyzed within the established holding times.

11. The surrogates were diluted below the quantitation range of the instrument in samples 10 and 11RR1. The surrogate recoveries were not calculated for these samples. All other surrogate recoveries were within acceptance limits with the following exception:

Surrogate	Sample	Direction
2,4,6-Tribromophenol	11	High

The re-analysis of this sample at dilution had the surrogates diluted below the range of the instument. The sample was not re-extracted because of an obvious matrix effect demonstrated by a large baseline rise in the chromatograms.

12. All internal standard recoveries were within acceptance criteria with the following exceptions:

Internal Standard	Sample	Direction
Chrysene-D_{12}	10, 11	Low
Perylene-D_{12}	10, 11	Low

Re-analysis of the sample 10 duplicated the original result. This suggests that the outliers were due to matrix effects. The internal standards in the re-analysis of sample 11 at dilution were within acceptance criteria. No further action was taken.

13. Due to the matrix, sample 10 had an elevated final volume. Samples 10 and 11 were analyzed at dilution to bring target analytes in to calibration range. The reporting limits have been adjusted accordingly.

14. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics Standard Operating Procedure 939 Revision 1. The chromatographic data system marks the manual integrations with an m on the quantitation report. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Hayle Gresham for JK 7/25/05

Joe Kostelnik
Organic Chemist

Date

SL 7-25-05

Reviewer's Initials

Date

Paragon Analytics
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	**This flag indicates that the compound was analyzed for but not detected.**
J:	**This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.**
B:	**This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.**
E:	**This flag identifies compounds whose concentration exceeds the upper level of the calibration range.**
A:	**This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.**
X:	**This flag indicates that the analyte was diluted below an accurate quantitation level.**
***:**	**This flag indicates that a spike recovery is equal to or outside the control criteria used.**
+:	**This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.**

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0506217
Client Name: NMED DOE Oversight Bureau
Client Project Name: Gandy Marley, Inc.
Client Project Number:
Client PO Number: 22-667-55-02459

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
GMI-UST-1	0506217-1		SOIL	22-Jun-05	11:55
GMI-UST-2	0506217-2		SOIL	22-Jun-05	12:30
GMI-UST-3	0506217-3		SOIL	22-Jun-05	15:00
GMI-UST-4	0506217-4		SOIL	22-Jun-05	15:30
GMI-UST-5	0506217-5		SOIL	22-Jun-05	16:10
GMI-UST-6	0506217-6		SOIL	22-Jun-05	16:11
GMI-LBB-2	0506217-7		SOIL	22-Jun-05	16:30
GMI-LBB-1	0506217-8		SOIL	22-Jun-05	16:50
GMI-VOR	0506217-9		SOIL	22-Jun-05	17:16
GMI-Evap Tank East	0506217-10		WATER	22-Jun-05	17:40
GMI-Evap Tank West	0506217-11		WATER	22-Jun-05	18:00
GMI-UST-1	0506217-12		LEACHAT	22-Jun-05	11:55
GMI-UST-2	0506217-13		LEACHAT	22-Jun-05	12:30
GMI-UST-3	0506217-14		LEACHAT	22-Jun-05	15:00
GMI-UST-4	0506217-15		LEACHAT	22-Jun-05	15:30
GMI-UST-5	0506217-16		LEACHAT	22-Jun-05	16:10
GMI-UST-6	0506217-17		LEACHAT	22-Jun-05	16:11
GMI-LBB-2	0506217-18		LEACHAT	22-Jun-05	16:30
GMI-LBB-1	0506217-19		LEACHAT	22-Jun-05	16:50
GMI-VOR	0506217-20		LEACHAT	22-Jun-05	17:16

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0506217

Chain-of-Custody Date _____ Page ___ of ___

Originator: Retain pink copy

Project Name / No.: Gandy Marley, Inc Sampler(s): S.P., M.C. Turnaround (circle one): (Standard) or Rush (Due _____) Dispose: Date ALAP or Return to Client

Report To: STEVE PULLEN
Phone: 505-428-2544
Fax:
E-mail: STEVE.PULLEN@state.nm.us
Company: NM ENVIRONMENT. HAZ. WASTE
Address: 2905 RODEO PARK DR. EAST
BLDG. 1
SANTA FE, NM 87502

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type)	No. of Containers	VOCs SW8260B E624 E524.2	BTEX (only) SW8021B	SVOCs SW8270C E625	OC Pesticides SW8081A E608	PCBs SW8082 E608	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 SW6010B SW7470	Total Metals by ICP SW6010B 7470 7471 E200 ILMO__	Dissolved Metals by ICP SW6010B 7470 E200 ILMO__	Total Metals by ICP/MS SW6020 E200.8 ILMO__	Dissolved Metals by ICP/MS SW6020 E200.8 ILMO__	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH (GRO) (DRO) SW8015B (both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 SW9320 E904.0	Strontium 90 D5811-00	Gamma Isotopes E901.1
GMI-UST 1	6/22	11:56	1	S	NA	1									X									X						
GMI-UST-2	6/22	1230	2	S	"	1									X									X						
GMI-UST-3	"	1500	3	S	"	1									X									X						
GMI-UST.4	"	1530	4	S	"	1									X									X						
GMI-UST.5	"	1610	5	S	"	1									X									X						
GMI-UST.6	"	1611	6	S	"	1									X									X						
GMI-LBB-2	"	1630	7	S	"	1									X									X						
GMI-LBB-1	"	1650	8	S	"	1									X									X						
GMI-VOR	"	1716	9	S	"	1									X									X						
GMI-EVAP TANK EAST	"	1740	10	W	"	4	X		X							X														
GMI EVAP TANK West	"	1800	11	W	"	4	X		X							X														

* Time Zone: EST CST (MST) PST **Matrix Key:** O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments:

Soil Samples - Report TPH results ASAP. May run TCLP VOCs & SVOCs.

Form 202r5.xls (4/6/04)

Relinquished By: (1)	Relinquished By: (2)
Signature: Steve Pullen	Signature:
Printed Name:	Printed Name:
Date: 6/23/05 Time: 1430	Date: Time:
Company: NMED.	Company:

Received By: (1)	Received By: (2)
Signature: Matt Wolman	Signature:
Printed Name: Matt Wolman	Printed Name:
Date: 6/24/05 Time: 1000	Date: Time:
Company: Paragon	Company:

Paragon Analytics

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 0506217

Project Manager: LRS Initials: MN Date: 6/24/05

1.	Does this project require any **special handling** in addition to standard Paragon procedures?		YES	(NO)
2.	Is **pre-screening** required per SOP 008?		YES	(NO)
3.	Are custody **seals** on **shipping containers** intact?	N/A	(YES)	NO
4.	Are custody **seals** on **sample containers** intact?	(N/A)	YES	NO
5.	Is there a **COC (Chain-of-Custody) present** or other representative documents?		(YES)	NO
6.	Is the **COC** (if applicable) **complete and legible**?	N/A	(YES)	NO
7.	Are **bottle IDs legible** and in **agreement** with **COC sample IDs**?	N/A	YES	(NO)
8.	Is the COC in agreement with samples received? (**# of samples, # of containers, matrix**)	N/A	(YES)	NO
9.	Were **airbills** present and/or removable?	N/A	(YES)	NO
10.	Are all **aqueous samples** requiring preservation **preserved correctly**? (excluding volatile organics)	N/A	YES	(NO)
11.	Are all aqueous **non-preserved samples** at the **correct pH**?	N/A	(YES)	NO
12.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
13.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
14.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
15.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
16.	Are all samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble:** ✓ < green pea ____ > green pea	N/A	YES	(NO)
17.	Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
18.	Were the sample(s) **shipped on ice**?	N/A	(YES)	NO
19.	Were cooler temperatures measured at 0.1-6.0°C?	N/A	(YES)	NO

***IR gun used** *(circle one)*: **#2** - Oakton InfraPro II, SN2922500201-0066; (**#4**) - Oakton InfraPro II, SN2372220101-0002

Cooler #'s 1

Temperature (°C) 3.2

No. of custody seals 2

DOT Survey/ Acceptance Information

External µR/hr reading 14

Background µR/hr reading 12

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (**YES**) / **NO** (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE EXCEPT #1 AND #2.

- Metals bottles for samples 10 + 11 rec'd unpreserved. Potential organics suspected prevented preservation in field, will be filtered and preserved as needed by laboratory
- ID discrepancies - see p. 2
- Both VOA bottles for sample 10 rec'd w/ headspace

If applicable, was the client contacted? (YES) / NO / NA Contact Name: S. Pullen Date/Time: 6/24

Project Manager Signature/ Date: M. Taylor

Form 201r18.xls (6/26/04)

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: NMED Workorder No: 0506217

Project Manager: CRS Initials: MN Date: 6/24/05

Sample ID Discrepancy:

	COC Information				Bottle Information			
Paragon ID	Client ID	Date	Time	Analysis	Bottle ID	Date	Time	Analysis
0506217-3	GMI-UST-3	6/22/05	1500	TCLP/TPH	GMI-Cell-3	6/22/05	1500	TCLP/TPH
-4	GMI-UST-4	↓	1530	↓	GMI-Cell-4	↓	1530	↓
-5	GMI-UST-5	↓	1610	↓	GMI-Cell-5	↓	1610	↓
-6	GMI-UST-6	↓	1611	↓	GMI-Cell-6	↓	1611	↓

Logged per COC until notified otherwise.

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: 6/24

Form 201r18.xls (6/26/04)

FedEx Express US Airbill

FedEx Tracking Number 8517 7528 4513

Recipients Cop

1 From

Date 6/23/05 [redacted]

Sender's Name STEVE POLLEN Phone 505 428 2544

Company NM ENVIRONMENT Dept.

Address 2905 RODEO RD. EAST BLD. 1

Dept./Floor/Suite/Room

City SANTA FE State NM ZIP 87502

2 Your Internal Billing Reference

3 To

Recipient's Name LANCE STEERE Phone 970 490 1511

Company PARAGON ANALYTICAL

Recipient's Address 285 COMMERCE Dr.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City Ft. COLLINS State CO ZIP 80524

TO: 6DUD

8517 7528 4513

4a Express Package Service — Packages up to 150 lbs.

- [x] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lbs.

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling

- [ ] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day Freight locations

†Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845
- [ ] Cargo Aircraft Only

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card

12

Total Packages	Total Weight	Total Declared Value†	Total Charges
1	57	$ .00	

†Our liability is limited to $100 unless you declare a higher value. See back for details.

Credit Card Auth.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339.

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467

Analytical Results

GC/MS Semi-volatiles

Method SW8270C

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050628-8MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 28-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050701-1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1
File Name: N6064

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	1	10	10	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	10	10	U	
62-53-3	ANILINE	1	10	10	U	
108-95-2	PHENOL	1	10	10	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	10	10	U	
95-57-8	2-CHLOROPHENOL	1	10	10	U	
541-73-1	1,3-DICHLOROBENZENE	1	10	10	U	
106-46-7	1,4-DICHLOROBENZENE	1	10	10	U	
95-50-1	1,2-DICHLOROBENZENE	1	10	10	U	
100-51-6	BENZYL ALCOHOL	1	10	10	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	10	10	U	
95-48-7	2-METHYLPHENOL	1	10	10	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	10	10	U	
108-39-4	3+4-METHYLPHENOL	1	10	10	U	
67-72-1	HEXACHLOROETHANE	1	10	10	U	
98-95-3	NITROBENZENE	1	10	10	U	
78-59-1	ISOPHORONE	1	10	10	U	
88-75-5	2-NITROPHENOL	1	10	10	U	
105-67-9	2,4-DIMETHYLPHENOL	1	10	10	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	10	10	U	
120-83-2	2,4-DICHLOROPHENOL	1	10	10	U	
65-85-0	BENZOIC ACID	1	50	50	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	10	10	U	
91-20-3	NAPHTHALENE	1	10	10	U	
106-47-8	4-CHLOROANILINE	1	10	10	U	
87-68-3	HEXACHLOROBUTADIENE	1	10	10	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	10	10	U	

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050628-8MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 28-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050701-1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1
File Name: N6064

91-57-6	2-METHYLNAPHTHALENE	1	10	10	U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	10	10	U	
88-06-2	2,4,6-TRICHLOROPHENOL	1	10	10	U	
95-95-4	2,4,5-TRICHLOROPHENOL	1	10	10	U	
91-58-7	2-CHLORONAPHTHALENE	1	10	10	U	
88-74-4	2-NITROANILINE	1	20	20	U	
131-11-3	DIMETHYL PHTHALATE	1	10	10	U	
606-20-2	2,6-DINITROTOLUENE	1	10	10	U	
208-96-8	ACENAPHTHYLENE	1	10	10	U	
99-09-2	3-NITROANILINE	1	20	20	U	
83-32-9	ACENAPHTHENE	1	10	10	U	
51-28-5	2,4-DINITROPHENOL	1	20	20	U	
100-02-7	4-NITROPHENOL	1	20	20	U	
132-64-9	DIBENZOFURAN	1	10	10	U	
121-14-2	2,4-DINITROTOLUENE	1	10	10	U	
84-66-2	DIETHYL PHTHALATE	1	10	10	U	
86-73-7	FLUORENE	1	10	10	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	10	10	U	
100-01-6	4-NITROANILINE	1	20	20	U	
103-33-3	AZOBENZENE	1	10	10	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	20	20	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	10	10	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	10	10	U	
118-74-1	HEXACHLOROBENZENE	1	10	10	U	
58-90-2	2,3,4,6-TETRACHLOROPHENOL	1	10	10	U	
87-86-5	PENTACHLOROPHENOL	1	20	20	U	
85-01-8	PHENANTHRENE	1	10	10	U	
120-12-7	ANTHRACENE	1	10	10	U	
86-74-8	CARBAZOLE	1	10	10	U	

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050628-8MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 28-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050701-1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1
File Name: N6064

84-74-2	DI-N-BUTYL PHTHALATE	1	10	10	U	
206-44-0	FLUORANTHENE	1	10	10	U	
129-00-0	PYRENE	1	10	10	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	10	10	U	
56-55-3	BENZO(A)ANTHRACENE	1	10	10	U	
91-94-1	3,3'-DICHLOROBENZIDINE	1	10	10	U	
218-01-9	CHRYSENE	1	10	10	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	10	10	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	10	10	U	
205-99-2	BENZO(B)FLUORANTHENE	1	10	10	U	
207-08-9	BENZO(K)FLUORANTHENE	1	10	10	U	
50-32-8	BENZO(A)PYRENE	1	10	10	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	10	10	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	10	10	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	10	10	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	47.5		75	63	23 - 100
321-60-8	2-FLUOROBIPHENYL	37.1		50	74	21 - 106
367-12-4	2-FLUOROPHENOL	54.7		75	73	21 - 100
4165-60-0	NITROBENZENE-D5	36.8		50	74	34 - 111
4165-62-2	PHENOL-D5	55.3		75	74	15 - 104
1718-51-0	TERPHENYL-D14	46.5		50	93	33 - 111

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050701-1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 960 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1
File Name: N6075

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	1	10	10	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	10	10	U	
62-53-3	ANILINE	1	10	10	U	
108-95-2	PHENOL	1	2200	10	E	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	10	10	U	
95-57-8	2-CHLOROPHENOL	1	10	10	U	
541-73-1	1,3-DICHLOROBENZENE	1	10	10	U	
106-46-7	1,4-DICHLOROBENZENE	1	10	10	U	
95-50-1	1,2-DICHLOROBENZENE	1	10	10	U	
100-51-6	BENZYL ALCOHOL	1	10	10	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	10	10	U	
95-48-7	2-METHYLPHENOL	1	220	10	E	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	10	10	U	
108-39-4	3+4-METHYLPHENOL	1	200	10	E	
67-72-1	HEXACHLOROETHANE	1	10	10	U	
98-95-3	NITROBENZENE	1	10	10	U	
78-59-1	ISOPHORONE	1	10	10	U	
88-75-5	2-NITROPHENOL	1	10	10	U	
105-67-9	2,4-DIMETHYLPHENOL	1	8.6	10	J	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	10	10	U	
120-83-2	2,4-DICHLOROPHENOL	1	10	10	U	
65-85-0	BENZOIC ACID	1	52	52	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	10	10	U	
91-20-3	NAPHTHALENE	1	6.9	10	J	
106-47-8	4-CHLOROANILINE	1	10	10	U	
87-68-3	HEXACHLOROBUTADIENE	1	10	10	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	10	10	U	
91-57-6	2-METHYLNAPHTHALENE	1	4.4	10	J	

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050701-1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 960 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1
File Name: N6075

77-47-4	HEXACHLOROCYCLOPENTADIENE	1	10	10	U	
88-06-2	2,4,6-TRICHLOROPHENOL	1	10	10	U	
95-95-4	2,4,5-TRICHLOROPHENOL	1	10	10	U	
91-58-7	2-CHLORONAPHTHALENE	1	10	10	U	
88-74-4	2-NITROANILINE	1	21	21	U	
131-11-3	DIMETHYL PHTHALATE	1	3.4	10	J	
606-20-2	2,6-DINITROTOLUENE	1	10	10	U	
208-96-8	ACENAPHTHYLENE	1	10	10	U	
99-09-2	3-NITROANILINE	1	21	21	U	
83-32-9	ACENAPHTHENE	1	10	10	U	
51-28-5	2,4-DINITROPHENOL	1	21	21	U	
100-02-7	4-NITROPHENOL	1	21	21	U	
132-64-9	DIBENZOFURAN	1	1.2	10	J	
121-14-2	2,4-DINITROTOLUENE	1	10	10	U	
84-66-2	DIETHYL PHTHALATE	1	10	10	U	
86-73-7	FLUORENE	1	0.91	10	J	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	10	10	U	
100-01-6	4-NITROANILINE	1	21	21	U	
103-33-3	AZOBENZENE	1	10	10	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	21	21	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	10	10	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	10	10	U	
118-74-1	HEXACHLOROBENZENE	1	10	10	U	
58-90-2	2,3,4,6-TETRACHLOROPHENOL	1	10	10	U	
87-86-5	PENTACHLOROPHENOL	1	21	21	U	
85-01-8	PHENANTHRENE	1	3.6	10	J	
120-12-7	ANTHRACENE	1	10	10	U	
86-74-8	CARBAZOLE	1	10	10	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	10	10	U	
206-44-0	FLUORANTHENE	1	10	10	U	
129-00-0	PYRENE	1	4.6	10	J	

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050701-1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 960 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1
File Name: N6075

85-68-7	BUTYL BENZYL PHTHALATE	1	10	10	U	
56-55-3	BENZO(A)ANTHRACENE	1	10	10	U	
91-94-1	3,3'-DICHLOROBENZIDINE	1	10	10	U	
218-01-9	CHRYSENE	1	10	10	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	8.3	10	J	
117-84-0	DI-N-OCTYL PHTHALATE	1	10	10	U	
205-99-2	BENZO(B)FLUORANTHENE	1	10	10	U	
207-08-9	BENZO(K)FLUORANTHENE	1	10	10	U	
50-32-8	BENZO(A)PYRENE	1	10	10	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	10	10	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	10	10	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	10	10	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	114	*	78.1	146	23 - 100
321-60-8	2-FLUOROBIPHENYL	32.5		52.1	62	21 - 106
367-12-4	2-FLUOROPHENOL	61.1		78.1	78	21 - 100
4165-60-0	NITROBENZENE-D5	41.8		52.1	80	34 - 111
4165-62-2	PHENOL-D5	74.7		78.1	96	15 - 104
1718-51-0	TERPHENYL-D14	48.3		52.1	93	33 - 111

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050701-1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 960 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1
File Name: N6076

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	20	210	210	U	
62-75-9	N-NITROSODIMETHYLAMINE	20	210	210	U	
62-53-3	ANILINE	20	210	210	U	
108-95-2	PHENOL	20	2000	210		
111-44-4	BIS(2-CHLOROETHYL)ETHER	20	210	210	U	
95-57-8	2-CHLOROPHENOL	20	210	210	U	
541-73-1	1,3-DICHLOROBENZENE	20	210	210	U	
106-46-7	1,4-DICHLOROBENZENE	20	210	210	U	
95-50-1	1,2-DICHLOROBENZENE	20	210	210	U	
100-51-6	BENZYL ALCOHOL	20	210	210	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	20	210	210	U	
95-48-7	2-METHYLPHENOL	20	260	210		
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	20	210	210	U	
108-39-4	3+4-METHYLPHENOL	20	490	210		
67-72-1	HEXACHLOROETHANE	20	210	210	U	
98-95-3	NITROBENZENE	20	210	210	U	
78-59-1	ISOPHORONE	20	210	210	U	
88-75-5	2-NITROPHENOL	20	210	210	U	
105-67-9	2,4-DIMETHYLPHENOL	20	43	210	J	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	20	210	210	U	
120-83-2	2,4-DICHLOROPHENOL	20	210	210	U	
65-85-0	BENZOIC ACID	20	1000	1000	U	
120-82-1	1,2,4-TRICHLOROBENZENE	20	210	210	U	
91-20-3	NAPHTHALENE	20	210	210	U	
106-47-8	4-CHLOROANILINE	20	210	210	U	
87-68-3	HEXACHLOROBUTADIENE	20	210	210	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	20	210	210	U	
91-57-6	2-METHYLNAPHTHALENE	20	210	210	U	

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050701-1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 960 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1
File Name: N6076

77-47-4	HEXACHLOROCYCLOPENTADIENE	20	210	210	U	
88-06-2	2,4,6-TRICHLOROPHENOL	20	210	210	U	
95-95-4	2,4,5-TRICHLOROPHENOL	20	210	210	U	
91-58-7	2-CHLORONAPHTHALENE	20	210	210	U	
88-74-4	2-NITROANILINE	20	420	420	U	
131-11-3	DIMETHYL PHTHALATE	20	210	210	U	
606-20-2	2,6-DINITROTOLUENE	20	210	210	U	
208-96-8	ACENAPHTHYLENE	20	210	210	U	
99-09-2	3-NITROANILINE	20	420	420	U	
83-32-9	ACENAPHTHENE	20	210	210	U	
51-28-5	2,4-DINITROPHENOL	20	420	420	U	
100-02-7	4-NITROPHENOL	20	420	420	U	
132-64-9	DIBENZOFURAN	20	210	210	U	
121-14-2	2,4-DINITROTOLUENE	20	210	210	U	
84-66-2	DIETHYL PHTHALATE	20	210	210	U	
86-73-7	FLUORENE	20	210	210	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	20	210	210	U	
100-01-6	4-NITROANILINE	20	420	420	U	
103-33-3	AZOBENZENE	20	210	210	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	20	420	420	U	
86-30-6	N-NITROSODIPHENYLAMINE	20	210	210	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	20	210	210	U	
118-74-1	HEXACHLOROBENZENE	20	210	210	U	
58-90-2	2,3,4,6-TETRACHLOROPHENOL	20	210	210	U	
87-86-5	PENTACHLOROPHENOL	20	420	420	U	
85-01-8	PHENANTHRENE	20	210	210	U	
120-12-7	ANTHRACENE	20	210	210	U	
86-74-8	CARBAZOLE	20	210	210	U	
84-74-2	DI-N-BUTYL PHTHALATE	20	210	210	U	
206-44-0	FLUORANTHENE	20	210	210	U	
129-00-0	PYRENE	20	210	210	U	

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank West
Lab ID: 0506217-11RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050701-1
Cleanup: NONE
Basis: As Received

Sample Aliquot: 960 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1
File Name: N6076

85-68-7	BUTYL BENZYL PHTHALATE	20	210	210	U	
56-55-3	BENZO(A)ANTHRACENE	20	210	210	U	
91-94-1	3,3'-DICHLOROBENZIDINE	20	210	210	U	
218-01-9	CHRYSENE	20	210	210	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20	210	210	U	
117-84-0	DI-N-OCTYL PHTHALATE	20	210	210	U	
205-99-2	BENZO(B)FLUORANTHENE	20	210	210	U	
207-08-9	BENZO(K)FLUORANTHENE	20	210	210	U	
50-32-8	BENZO(A)PYRENE	20	210	210	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	20	210	210	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	20	210	210	U	
191-24-2	BENZO(G,H,I)PERYLENE	20	210	210	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL		X	78.1		23 - 100
321-60-8	2-FLUOROBIPHENYL		X	52.1		21 - 106
367-12-4	2-FLUOROPHENOL		X	78.1		21 - 100
4165-60-0	NITROBENZENE-D5		X	52.1		34 - 111
4165-62-2	PHENOL-D5		X	78.1		15 - 104
1718-51-0	TERPHENYL-D14		X	52.1		33 - 111

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank East
Lab ID: 0506217-10

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 18-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050718-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 960 ml
Final Volume: 2 ml
Result Units: UG/L
Clean DF: 1
File Name: P3018

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	5	100	100	U	
62-75-9	N-NITROSODIMETHYLAMINE	5	100	100	U	
62-53-3	ANILINE	5	100	100	U	
108-95-2	PHENOL	5	390	100		
111-44-4	BIS(2-CHLOROETHYL)ETHER	5	100	100	U	
95-57-8	2-CHLOROPHENOL	5	100	100	U	
541-73-1	1,3-DICHLOROBENZENE	5	100	100	U	
106-46-7	1,4-DICHLOROBENZENE	5	100	100	U	
95-50-1	1,2-DICHLOROBENZENE	5	100	100	U	
100-51-6	BENZYL ALCOHOL	5	100	100	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5	100	100	U	
95-48-7	2-METHYLPHENOL	5	9.9	100	J	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	5	100	100	U	
108-39-4	3+4-METHYLPHENOL	5	48	100	J	
67-72-1	HEXACHLOROETHANE	5	100	100	U	
98-95-3	NITROBENZENE	5	100	100	U	
78-59-1	ISOPHORONE	5	100	100	U	
88-75-5	2-NITROPHENOL	5	100	100	U	
105-67-9	2,4-DIMETHYLPHENOL	5	30	100	J	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	5	100	100	U	
120-83-2	2,4-DICHLOROPHENOL	5	100	100	U	
65-85-0	BENZOIC ACID	5	520	520	U	
120-82-1	1,2,4-TRICHLOROBENZENE	5	100	100	U	
91-20-3	NAPHTHALENE	5	25	100	J	
106-47-8	4-CHLOROANILINE	5	100	100	U	
87-68-3	HEXACHLOROBUTADIENE	5	100	100	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	5	100	100	U	
91-57-6	2-METHYLNAPHTHALENE	5	89	100	J	

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank East
Lab ID: 0506217-10

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 18-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050718-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 960 ml
Final Volume: 2 ml
Result Units: UG/L
Clean DF: 1
File Name: P3018

77-47-4	HEXACHLOROCYCLOPENTADIENE	5	100	100	U	
88-06-2	2,4,6-TRICHLOROPHENOL	5	100	100	U	
95-95-4	2,4,5-TRICHLOROPHENOL	5	100	100	U	
91-58-7	2-CHLORONAPHTHALENE	5	100	100	U	
88-74-4	2-NITROANILINE	5	210	210	U	
131-11-3	DIMETHYL PHTHALATE	5	100	100	U	
606-20-2	2,6-DINITROTOLUENE	5	100	100	U	
208-96-8	ACENAPHTHYLENE	5	100	100	U	
99-09-2	3-NITROANILINE	5	210	210	U	
83-32-9	ACENAPHTHENE	5	100	100	U	
51-28-5	2,4-DINITROPHENOL	5	210	210	U	
100-02-7	4-NITROPHENOL	5	210	210	U	
132-64-9	DIBENZOFURAN	5	50	100	J	
121-14-2	2,4-DINITROTOLUENE	5	100	100	U	
84-66-2	DIETHYL PHTHALATE	5	100	100	U	
86-73-7	FLUORENE	5	100	100	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	5	100	100	U	
100-01-6	4-NITROANILINE	5	210	210	U	
103-33-3	AZOBENZENE	5	100	100	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	5	210	210	U	
86-30-6	N-NITROSODIPHENYLAMINE	5	100	100	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	5	100	100	U	
118-74-1	HEXACHLOROBENZENE	5	100	100	U	
58-90-2	2,3,4,6-TETRACHLOROPHENOL	5	100	100	U	
87-86-5	PENTACHLOROPHENOL	5	210	210	U	
85-01-8	PHENANTHRENE	5	92	100	J	
120-12-7	ANTHRACENE	5	100	100	U	
86-74-8	CARBAZOLE	5	100	100	U	
84-74-2	DI-N-BUTYL PHTHALATE	5	100	100	U	
206-44-0	FLUORANTHENE	5	100	100	U	
129-00-0	PYRENE	5	13	100	J	

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-Evap Tank East
Lab ID: 0506217-10

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 22-Jun-05
Date Extracted: 28-Jun-05
Date Analyzed: 18-Jul-05
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050718-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 960 ml
Final Volume: 2 ml
Result Units: UG/L
Clean DF: 1
File Name: P3018

85-68-7	BUTYL BENZYL PHTHALATE	5	100	100	U	
56-55-3	BENZO(A)ANTHRACENE	5	100	100	U	
91-94-1	3,3'-DICHLOROBENZIDINE	5	100	100	U	
218-01-9	CHRYSENE	5	100	100	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	17	100	J	
117-84-0	DI-N-OCTYL PHTHALATE	5	100	100	U	
205-99-2	BENZO(B)FLUORANTHENE	5	100	100	U	
207-08-9	BENZO(K)FLUORANTHENE	5	100	100	U	
50-32-8	BENZO(A)PYRENE	5	100	100	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	5	100	100	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	5	100	100	U	
191-24-2	BENZO(G,H,I)PERYLENE	5	100	100	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL		X	78.1		23 - 100
321-60-8	2-FLUOROBIPHENYL		X	52.1		21 - 106
367-12-4	2-FLUOROPHENOL		X	78.1		21 - 100
4165-60-0	NITROBENZENE-D5		X	52.1		34 - 111
4165-62-2	PHENOL-D5		X	78.1		15 - 104
1718-51-0	TERPHENYL-D14		X	52.1		33 - 111

Data Package ID: *SV0506217-1*

Supporting QA/QC Data

Surrogate Summary for GC/MS Semi-volatiles

Method SW8270

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

PrepBatchID: EX050628-8
QC Batch ID: EX050628-8-3
Date Extracted: 6/28/2005

Surrogate Compound	Control Limits Lower	Control Limits Upper
2,4,6-Tribromophenol	23	100
2-Fluorobiphenyl	21	106
2-Fluorophenol	21	100
Nitrobenzene-d5	34	111
Phenol-d5	15	104
Terphenyl-d14	33	111

Lab ID	Client Sample ID	Date Collected	Date Received	246TB % Recovery	2FBP % Recovery	2FP % Recovery	ND5 % Recovery	PD5 % Recovery	TD14 % Recovery
0506217-11	GMI-Evap Tank West	6/22/2005	6/24/2005	146	62	78	80	96	93
0506217-11RR1	GMI-Evap Tank West	6/22/2005	6/24/2005						
EX050628-8LCS	XXXXXXX	NA	XXXXXXX	83	86	71	54	76	76
EX050628-8LCSD	XXXXXXX	NA	XXXXXXX	79	86	68	51	71	77
EX050628-8MB	XXXXXXX	NA	XXXXXXX	63	74	73	74	74	93

Data Package ID: *SV0506217-1*

Surrogate Summary for GC/MS Semi-volatiles

Method SW8270

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

PrepBatchID: EX050628-8
QC Batch ID: EX050628-8-3
Date Extracted: 6/28/2005

Surrogate Compound	Control Limits Lower	Control Limits Upper
2,4,6-Tribromophenol	23	100
2-Fluorobiphenyl	21	106
2-Fluorophenol	21	100
Nitrobenzene-d5	34	111
Phenol-d5	15	104
Terphenyl-d14	33	111

Lab ID	Client Sample ID	Date Collected	Date Received	246TB % Recovery	2FBP % Recovery	2FP % Recovery	ND5 % Recovery	PD5 % Recovery	TD14 % Recovery
0506217-10	GMI-Evap Tank East	6/22/2005	6/24/2005						

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050628-8LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/28/2005
Date Analyzed: 07/01/2005
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050701-1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1
File Name: N6065

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
108-95-2	PHENOL	100	85.9	10		87	49 - 101%
95-57-8	2-CHLOROPHENOL	100	94.3	10		94	37 - 106%
106-46-7	1,4-DICHLOROBENZENE	100	64.1	10		64	32 - 98%
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	100	106	10		106	34 - 128%
120-82-1	1,2,4-TRICHLOROBENZENE	100	46.9	10		47	37 - 107%
59-50-7	4-CHLORO-3-METHYLPHENOL	100	62.8	10		63	47 - 111%
83-32-9	ACENAPHTHENE	100	102	10		102	47 - 108%
100-02-7	4-NITROPHENOL	100	96.7	20		97	21 - 119%
121-14-2	2,4-DINITROTOLUENE	100	98.1	10		98	51 - 118%
87-86-5	PENTACHLOROPHENOL	100	94.7	20		95	38 - 117%
129-00-0	PYRENE	100	91.7	10		92	49 - 128%

Data Package ID: *SV0506217-1*

GC/MS Semi-volatiles

Method SW8270C

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050628-8LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/28/2005
Date Analyzed: 07/01/2005
Prep Method: SW3520C

Prep Batch: EX050628-8
QCBatchID: EX050628-8-3
Run ID: SV050701-1
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ml
Final Volume: 1 ml
Result Units: UG/L
Clean DF: 1
File Name: N6066

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
108-95-2	PHENOL	100	82.5	10		83	40	4
95-57-8	2-CHLOROPHENOL	100	90.7	10		91	42	4
106-46-7	1,4-DICHLOROBENZENE	100	63.3	10		63	50	1
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	100	104	10		104	44	1
120-82-1	1,2,4-TRICHLOROBENZENE	100	45.4	10		45	42	3
59-50-7	4-CHLORO-3-METHYLPHENOL	100	61.7	10		62	35	2
83-32-9	ACENAPHTHENE	100	104	10		104	43	2
100-02-7	4-NITROPHENOL	100	95.4	20		95	48	1
121-14-2	2,4-DINITROTOLUENE	100	98.1	10		98	40	0
87-86-5	PENTACHLOROPHENOL	100	95.7	20		96	44	1
129-00-0	PYRENE	100	96.2	10		96	48	5

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	75	83		79		23 - 100
321-60-8	2-FLUOROBIPHENYL	50	86		86		21 - 106
367-12-4	2-FLUOROPHENOL	75	71		68		21 - 100
4165-60-0	NITROBENZENE-D5	50	54		51		34 - 111
4165-62-2	PHENOL-D5	75	76		71		15 - 104
1718-51-0	TERPHENYL-D14	50	76		77		33 - 111

Data Package ID: *SV0506217-1*

Prep Batch ID: EX050628-8

Start Date: 06/28/05
Start Time: 16:30
Prep Analyst: Steven D. White
Comments:

End Date: 06/30/05
End Time: 9:00

Concentration Method: CKIS
Extract Method: SW3520C
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: sdw
Date Created: 06/28/05
Time Created: 18:41
Validated By: sdw
Date Validated: 07/19/05
Time Validated: 17:45

QC Batch ID: EX050628-8-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX050628-8	MB	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506201
EX050628-8	LCS	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506201
EX050628-8	LCSD	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506201
0506201-15	SMP	XXXXXX	WATER	XXXXXX	1040	1	NONE	1	0506201
0506224-2	SMP	XXXXXX	WATER	XXXXXX	1020	1	NONE	1	0506224
0506224-7	SMP	XXXXXX	WATER	XXXXXX	1060	1	NONE	1	0506224

QC Batch ID: EX050628-8-2

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX050628-8	MB	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506205
EX050628-8	LCS	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506205
EX050628-8	LCSD	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506205
0506205-1	SMP	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506205
0506205-2	SMP	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506205
0506205-3	SMP	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506205
0506205-4	SMP	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506205

QC Batch ID: EX050628-8-3

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX050628-8	MB	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506217
EX050628-8	LCS	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506217
EX050628-8	LCSD	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0506217
0506217-10	SMP	GMI-Evap Tank East	WATER	6/22/2005	960	2	NONE	1	0506217
0506217-11	SMP	GMI-Evap Tank West	WATER	6/22/2005	960	1	NONE	1	0506217
0506218-17	SMP	XXXXXX	WATER	XXXXXX	990	1	NONE	1	0506218

Prep Batch ID: EX050628-8

Start Date: 06/28/05
Start Time: 16:30
Prep Analyst: Steven D. White

End Date: 06/30/05
End Time: 9:00

Concentration Method: CKIS
Extract Method: SW3520C
Initial Volume Units: ml
Final Volume Units: ml

Batch Created By: sdw
Date Created: 06/28/05
Time Created: 18:41
Validated By: sdw
Date Validated: 07/19/05
Time Validated: 17:45

Comments:

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

5B

Semi-Volatile Organic GC/MS Tuning And Mass Calibration--Decafluorotriphenylphosphine (DFTPP)

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

DFTPP Injection Date: 6/17/2005
DFTPP Injection Time: 10:15
QCBatchID: SV050617-1

Reported on: Monday, July 25, 2005

Level: Low **Column:** CAP **FileID:** N5964

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0 percent of mass 198	37.8
68	Less than 2.0 percent of mass 69	0
69	Mass 69 relative abundance of mass 198	48
70	Less than 2.0 percent of mass 69	0.7
127	40.0 - 60.0 percent of mass 198	56.4
197	Less than 1.0 percent of mass 198	0
198	Base peak, 100 percent of relative abundance	100
199	5.0 - 9.0 percent of mass 198	6.8
275	10.0 - 30.0 percent of mass 198	27.2
365	Greater than 1.00 percent of mass 198	3.6
441	Present, but less than mass 443 (percent of 443)	95
442	Greater than 40.0 percent of mass 198	73.4
443	17.0 - 23.0 percent of mass 442	19.6

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	ICALSV060CSTD	N5965	6/17/2005	10:31
XXXXXXX	ICALSV001CSTD	N5966	6/17/2005	10:54
XXXXXXX	ICALSV005CSTD	N5967	6/17/2005	11:19
XXXXXXX	ICALSV010CSTD	N5968	6/17/2005	11:43
XXXXXXX	ICALSV020CSTD	N5969	6/17/2005	12:07
XXXXXXX	ICALSV040CSTD	N5970	6/17/2005	12:31
XXXXXXX	ICALSV080CSTD	N5971	6/17/2005	12:56
XXXXXXX	ICALSV100CSTD	N5972	6/17/2005	13:23
XXXXXXX	ICALSV120CSTD	N5973	6/17/2005	13:51
XXXXXXX	ICVSV050ICV	N5974	6/17/2005	14:19

5B

Semi-Volatile Organic GC/MS Tuning And Mass Calibration--Decafluorotriphenylphosphine (DFTPP)

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

DFTPP Injection Date: 7/1/2005
DFTPP Injection Time: 11:09
QCBatchID: SV050701-1

Reported on: Monday, July 25, 2005

Level: Low **Column:** CAP **FileID:** N6062

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0 percent of mass 198	34.7
68	Less than 2.0 percent of mass 69	0
69	Mass 69 relative abundance of mass 198	44
70	Less than 2.0 percent of mass 69	0.5
127	40.0 - 60.0 percent of mass 198	53.6
197	Less than 1.0 percent of mass 198	0
198	Base peak, 100 percent of relative abundance	100
199	5.0 - 9.0 percent of mass 198	6.7
275	10.0 - 30.0 percent of mass 198	28.1
365	Greater than 1.00 percent of mass 198	3.9
441	Present, but less than mass 443 (percent of 443)	94.2
442	Greater than 40.0 percent of mass 198	80
443	17.0 - 23.0 percent of mass 442	19.4

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	CCVSV060CCV	N6063	7/1/2005	11:25

5B

Semi-Volatile Organic GC/MS Tuning And Mass Calibration--Decafluorotriphenylphosphine (DFTPP)

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

DFTPP Injection Date: 7/1/2005
DFTPP Injection Time: 11:09
QCBatchID: EX050628-8-3

Reported on: Monday, July 25, 2005

Level: Low **Column:** CAP **FileID:** N6062

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0 percent of mass 198	34.7
68	Less than 2.0 percent of mass 69	0
69	Mass 69 relative abundance of mass 198	44
70	Less than 2.0 percent of mass 69	0.5
127	40.0 - 60.0 percent of mass 198	53.6
197	Less than 1.0 percent of mass 198	0
198	Base peak, 100 percent of relative abundance	100
199	5.0 - 9.0 percent of mass 198	6.7
275	10.0 - 30.0 percent of mass 198	28.1
365	Greater than 1.00 percent of mass 198	3.9
441	Present, but less than mass 443 (percent of 443)	94.2
442	Greater than 40.0 percent of mass 198	80
443	17.0 - 23.0 percent of mass 442	19.4

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	EX050628-8MB	N6064	7/1/2005	11:49
XXXXXXX	EX050628-8LCS	N6065	7/1/2005	12:14
XXXXXXX	EX050628-8LCSD	N6066	7/1/2005	12:38
XXXXXXX	0506218-17	N6072	7/1/2005	15:04
GMI-Evap Tank West	0506217-11	N6075	7/1/2005	16:17
GMI-Evap Tank West	0506217-11RR1	N6076	7/1/2005	17:02

5B

Semi-Volatile Organic GC/MS Tuning And Mass Calibration--Decafluorotriphenylphosphine (DFTPP)

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

DFTPP Injection Date: 7/12/2005
DFTPP Injection Time: 9:14
QCBatchID: SV050712-2

Reported on: Monday, July 25, 2005

Level: Low **Column:** CAP **FileID:** P2879

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0 percent of mass 198	32.3
68	Less than 2.0 percent of mass 69	0
69	Mass 69 relative abundance of mass 198	48.5
70	Less than 2.0 percent of mass 69	0.8
127	40.0 - 60.0 percent of mass 198	47.2
197	Less than 1.0 percent of mass 198	0
198	Base peak, 100 percent of relative abundance	100
199	5.0 - 9.0 percent of mass 198	6.9
275	10.0 - 30.0 percent of mass 198	23
365	Greater than 1.00 percent of mass 198	2.8
441	Present, but less than mass 443 (percent of 443)	77.8
442	Greater than 40.0 percent of mass 198	75.3
443	17.0 - 23.0 percent of mass 442	18.7

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	ICALSV060CSTD	P2880	7/12/2005	9:29
XXXXXXX	ICALSV001CSTD	P2881	7/12/2005	9:52
XXXXXXX	ICALSV005CSTD	P2882	7/12/2005	10:15
XXXXXXX	ICALSV010CSTD	P2883	7/12/2005	10:38
XXXXXXX	ICALSV020CSTD	P2884	7/12/2005	11:00
XXXXXXX	ICALSV040CSTD	P2885	7/12/2005	11:23
XXXXXXX	ICALSV080CSTD	P2886	7/12/2005	11:46
XXXXXXX	ICALSV100CSTD	P2887	7/12/2005	12:09
XXXXXXX	ICALSV120CSTD	P2888	7/12/2005	12:31
XXXXXXX	ICVSV050ICV	P2889	7/12/2005	13:04

5B

Semi-Volatile Organic GC/MS Tuning And Mass Calibration--Decafluorotriphenylphosphine (DFTPP)

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

DFTPP Injection Date: 7/18/2005
DFTPP Injection Time: 10:24
QCBatchID: SV050718-2

Reported on: Monday, July 25, 2005

Level: Low **Column:** CAP **FileID:** P3015

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0 percent of mass 198	36.4
68	Less than 2.0 percent of mass 69	1.5
69	Mass 69 relative abundance of mass 198	54.8
70	Less than 2.0 percent of mass 69	0.5
127	40.0 - 60.0 percent of mass 198	46.6
197	Less than 1.0 percent of mass 198	0
198	Base peak, 100 percent of relative abundance	100
199	5.0 - 9.0 percent of mass 198	7
275	10.0 - 30.0 percent of mass 198	25.1
365	Greater than 1.00 percent of mass 198	2.6
441	Present, but less than mass 443 (percent of 443)	80.6
442	Greater than 40.0 percent of mass 198	54.7
443	17.0 - 23.0 percent of mass 442	18.9

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	CCVSV060CCV	P3016	7/18/2005	10:39

5B

Semi-Volatile Organic GC/MS Tuning And Mass Calibration--Decafluorotriphenylphosphine (DFTPP)

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

DFTPP Injection Date: 7/18/2005
DFTPP Injection Time: 10:24
QCBatchID: EX050628-8-3

Reported on: Monday, July 25, 2005

Level: Low **Column:** CAP **FileID:** P3015

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0 percent of mass 198	36.4
68	Less than 2.0 percent of mass 69	1.5
69	Mass 69 relative abundance of mass 198	54.8
70	Less than 2.0 percent of mass 69	0.5
127	40.0 - 60.0 percent of mass 198	46.6
197	Less than 1.0 percent of mass 198	0
198	Base peak, 100 percent of relative abundance	100
199	5.0 - 9.0 percent of mass 198	7
275	10.0 - 30.0 percent of mass 198	25.1
365	Greater than 1.00 percent of mass 198	2.6
441	Present, but less than mass 443 (percent of 443)	80.6
442	Greater than 40.0 percent of mass 198	54.7
443	17.0 - 23.0 percent of mass 442	18.9

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
GMI-Evap Tank East	0506217-10	P3018	7/18/2005	11:31

HPSV1
061705S1

FORM 6

	N5973.D 120	N5972.D 100	N5971.D 80	N5965.D 60	N5970.D 40	N5969.D 20	N5968.D 10	N5967.D 5	N5966.D 1	Average	%RSD	Curve type	Corr (r2)	Higher order equation quad term	linear term	const term
1,4-Dichlorobenzene-d4																
Pyridine	1.164	1.216	1.164	1.277	1.189	1.203	1.207	1.074		1.187	4.895	Ave RF	n/a			
n-Nitrosodimethylamine	0.589	0.584	0.572	0.625	0.577	0.586	0.587	0.533	0.519	0.575	5.490	Ave RF	n/a			
2-Fluorophenol	1.308	1.305	1.271	1.347	1.254	1.260	1.227	1.188		1.270	3.937	Ave RF	n/a			
2-Chlorophenol-d4	1.638	1.586	1.516	1.533	1.421	1.420	1.368	1.301		1.473	7.762	Ave RF	n/a			
Aniline	1.629	1.610	1.533	1.574	1.542	1.537	1.545	1.438		1.551	3.729	Ave RF	n/a			
Phenol-d5	1.500	1.483	1.398	1.438	1.327	1.253	1.359	1.297		1.382	6.412	Ave RF	n/a			
Phenol	1.451	1.417	1.323	1.324	1.256	1.172	1.165	1.196		1.288	8.502 CCC	Ave RF	n/a			
Tetramethylurea	1.994	1.920	1.854	1.881	1.827	1.877	1.880	1.709		1.868	4.349	Ave RF	n/a			
Bis(2-chloroethyl)ether	1.064	1.029	0.999	1.010	1.035	1.034	1.033	0.965		1.021	2.906	Ave RF	n/a			
2-Chlorophenol	1.528	1.484	1.382	1.375	1.344	1.302	1.312	1.216		1.368	7.341	Ave RF	n/a			
1,3-Dichlorobenzene	1.538	1.542	1.460	1.467	1.444	1.438	1.448	1.326		1.458	4.612	Ave RF	n/a			
1,4-Dichlorobenzene	1.643	1.649	1.562	1.558	1.541	1.525	1.534	1.410		1.553	4.813 CCC	Ave RF	n/a			
1,2-Dichlorobenzene-d4	1.069	1.025	0.983	0.976	0.904	0.914	0.876	0.858		0.951	7.844	Ave RF	n/a			
1,2-Dichlorobenzene	1.633	1.601	1.491	1.476	1.434	1.394	1.389	1.286		1.463	7.809	Ave RF	n/a			
Benzyl Alcohol	0.852	0.838	0.788	0.801	0.787	0.775	0.761	0.694		0.787	6.159	Ave RF	n/a			
Bis(2-chloroisopropyl)ether	1.065	1.013	0.923	0.918	0.874	0.860	0.858	0.809		0.915	9.377	Ave RF	n/a			
2-Methylphenol	1.099	1.073	1.010	1.010	0.998	0.990	0.981	0.906		1.008	5.813	Ave RF	n/a			
n-Nitroso-di-n-propylamine	0.971	0.954	0.900	0.889	0.843	0.772	0.734	0.670		0.843	12.962 SPCC	Ave RF	n/a			
3+4-Methylphenol	1.683	1.654	1.526	1.478	1.393	1.278	1.238	1.123		1.422	14.083	Ave RF	n/a			
N-Methylaniline	2.484	2.475	2.336	2.272	2.104	1.963	1.929	1.792		2.169	12.041	Ave RF	n/a			
Hexachloroethane	0.589	0.582	0.552	0.551	0.550	0.534	0.535	0.490		0.548	5.610	Ave RF	n/a			
Naphthalene-d8																
Nitrobenzene-d5	0.425	0.408	0.384	0.386	0.353	0.336	0.331	0.306		0.366	11.245	Ave RF	n/a			
N,N-Dimethylaniline	0.737	0.706	0.668	0.650	0.593	0.557	0.565	0.512		0.624	12.681	Ave RF	n/a			
Nitrobenzene	0.552	0.534	0.498	0.487	0.464	0.439	0.441	0.392		0.476	11.107	Ave RF	n/a			
Isophorone	0.643	0.615	0.571	0.558	0.543	0.523	0.528	0.479		0.557	9.397	Ave RF	n/a			
N-Ethylaniline	0.818	0.785	0.737	0.714	0.666	0.645	0.665	0.606		0.704	10.288	Ave RF	n/a			
2-Nitrophenol	0.217	0.220	0.193	0.193	0.191	0.174	0.165	0.144		0.187	13.828 CCC	Ave RF	n/a			
2,4-Dimethylphenol	0.397	0.393	0.363	0.355	0.346	0.328	0.334	0.291		0.351	9.891	Ave RF	n/a			
Bis(2-chloroethoxy)methane	0.385	0.373	0.350	0.355	0.342	0.331	0.337	0.313		0.348	6.617	Ave RF	n/a			
2,4-Dichlorophenol	0.332	0.325	0.303	0.303	0.291	0.277	0.276	0.248		0.294	9.411 CCC	Ave RF	n/a			
Benzoic acid	0.142	0.142	0.109	0.120	0.090					0.121	18.667	Ave RF	n/a			
1,2,4-Trichlorobenzene	0.369	0.361	0.336	0.329	0.318	0.304	0.316	0.281		0.327	8.872	Ave RF	n/a			
Naphthalene	1.163	1.156	1.095	1.083	1.063	1.026	1.054	0.967		1.076	6.038	Ave RF	n/a			
4-Chloroaniline	0.469	0.461	0.430	0.422	0.421	0.407	0.408	0.372		0.424	7.305	Ave RF	n/a			
Hexachlorobutadiene	0.215	0.206	0.193	0.189	0.181	0.173	0.177	0.160		0.187	9.527 CCC	Ave RF	n/a			
4-Chloro-3-methylphenol	0.300	0.299	0.282	0.281	0.271	0.258	0.258	0.232		0.273	8.359 CCC	Ave RF	n/a			
2-Methylnaphthalene	0.785	0.766	0.727	0.709	0.700	0.666	0.671	0.623		0.706	7.597	Ave RF	n/a			
Acenaphthene-d10																
1-Methylnaphthalene	1.529	1.434	1.333	1.295	1.240	1.171	1.225	1.094		1.290	10.925	Ave RF	n/a			
Hexachlorocyclopentadiene	0.277	0.262	0.217	0.216	0.164	0.108	0.067	0.029		0.167	54.613 SPCC	quadratic	0.998	0.04620	0.14801	-0.02283
2,4,6-Trichlorophenol	0.408	0.381	0.352	0.346	0.319	0.289	0.277			0.339	13.966 CCC	Ave RF	n/a			
2,4,5-Trichlorophenol	0.453	0.425	0.394	0.390	0.366	0.336	0.318			0.383	12.422	Ave RF	n/a			
2-Fluorobiphenyl	1.738	1.654	1.582	1.584	1.394	1.363	1.356	1.269		1.493	11.259	Ave RF	n/a			
2-Chloronaphthalene	1.415	1.341	1.263	1.241	1.157	1.103	1.126	1.017		1.208	10.917	Ave RF	n/a			
2-Nitroaniline	0.293	0.285	0.269	0.267	0.267	0.250	0.239	0.207		0.260	10.521	Ave RF	n/a			
1,4-Dinitrobenzene	0.226	0.221	0.202	0.191	0.190	0.180	0.159	0.138		0.188	15.732	Ave RF	n/a			
Dimethylphthalate	1.442	1.378	1.298	1.256	1.200	1.203	1.219	1.140		1.267	7.949	Ave RF	n/a			
1,3-Dinitrobenzene	0.236	0.229	0.214	0.204	0.202	0.199	0.186	0.162		0.204	11.533	Ave RF	n/a			
2,6-Dinitrotoluene	0.347	0.337	0.311	0.297	0.287	0.280	0.267	0.245		0.296	11.571	Ave RF	n/a			
1,2-Dinitrobenzene	0.150	0.145	0.138	0.133	0.130	0.129	0.127	0.115		0.133	8.253	Ave RF	n/a			
Acenaphthylene	2.116	2.060	1.949	1.901	1.834	1.744	1.773	1.607		1.873	9.002	Ave RF	n/a			
3-Nitroaniline	0.334	0.323	0.303	0.290	0.289	0.294	0.273	0.256		0.295	8.600	Ave RF	n/a			
Acenaphthene	1.465	1.414	1.324	1.256	1.191	1.090	1.078	0.970		1.224	14.157 CCC	Ave RF	n/a			
2,4-Dinitrophenol	0.202	0.190	0.157	0.146	0.116	0.076				0.148	31.804 SPCC	quadratic	0.998	0.03586	0.10410	-0.02319
4-Nitrophenol	0.145	0.147	0.135	0.141	0.129	0.119				0.136	7.900 SPCC	Ave RF	n/a			
Dibenzofuran	1.781	1.747	1.639	1.601	1.551	1.483	1.495	1.393		1.586	8.404	Ave RF	n/a			
2,4-Dinitrotoluene	0.412	0.404	0.378	0.367	0.357	0.344	0.331	0.300		0.362	10.295	Ave RF	n/a			
2,3,5,6-Tetrachlorophenol	0.307	0.292	0.258	0.251	0.235	0.205	0.177			0.247	18.502	Ave RF	n/a			
2,3,4,6-Tetrachlorophenol	0.349	0.332	0.300	0.301	0.283	0.262	0.235			0.294	13.281	Ave RF	n/a			
Diethylphthalate	1.402	1.356	1.307	1.260	1.206	1.134	1.157	1.100		1.240	8.798	Ave RF	n/a			
Fluorene	1.517	1.465	1.392	1.321	1.296	1.243	1.220	1.124		1.322	9.899	Ave RF	n/a			
4-Chlorophenyl phenyl ether	0.719	0.677	0.631	0.600	0.578	0.541	0.540	0.496		0.598	12.547	Ave RF	n/a			
4-Nitroaniline	0.352	0.343	0.327	0.333	0.333	0.297	0.274	0.252		0.314	11.404	Ave RF	n/a			
Azobenzene	1.173	1.126	1.065	1.022	0.999	0.977	0.966	0.905		1.029	8.571	Ave RF	n/a			
2,4,6-Tribromophenol	0.220	0.208	0.191	0.182	0.153	0.145	0.123	0.110		0.166	23.991	Ave RF	n/a			
Phenanthrene-d10																
4,6-Dinitro-2-methylphenol	0.164	0.154	0.139	0.137	0.121	0.095				0.135	18.189	Ave RF	n/a			
n-Nitrosodiphenylamine	0.870	0.818	0.757	0.719	0.685	0.659	0.682	0.605		0.724	12.025 CCC	Ave RF	n/a			
4-Bromophenyl phenyl ether	0.291	0.275	0.254	0.239	0.221	0.205	0.212	0.188		0.236	15.209	Ave RF	n/a			
Hexachlorobenzene	0.330	0.309	0.276	0.263	0.237	0.220	0.224	0.202		0.258	17.571	Ave RF	n/a			
Pentachlorophenol	0.116	0.105	0.095	0.100	0.078	0.057				0.092	23.086 CCC	quadratic	0.995	0.01325	0.07901	-0.01228
Phenanthrene	1.334	1.288	1.211	1.176	1.106	1.063	1.076	0.993		1.156	10.167	Ave RF	n/a			
Anthracene	1.385	1.335	1.256	1.222	1.169	1.086	1.085	0.980		1.190	11.494	Ave RF	n/a			
Carbazole	1.178	1.144	1.084	1.099	1.056	1.019	1.010	0.915		1.063	7.814	Ave RF	n/a			
Di-n-butylphthalate	1.529	1.508	1.429	1.441	1.364	1.291	1.316	1.162		1.380	8.855	Ave RF	n/a			
Fluoranthene	1.473	1.421	1.323	1.300	1.222	1.142	1.154	1.045		1.260	11.601 CCC	Ave RF	n/a			
Chrysene-d12																
Benzidine	0.683	0.660	0.660	0.689	0.598	0.565	0.557	0.536		0.619	9.920	Ave RF	n/a			
Pyrene	1.483	1.406	1.481	1.428	1.318	1.277	1.354	1.209		1.369	7.159	Ave RF	n/a			
p-Terphenyl-d14	1.237	1.175	1.228	1.183	1.002	0.947	0.933	0.890		1.074	13.497	Ave RF	n/a			
Butylbenzylphthalate	0.759	0.716	0.698	0.674	0.640	0.616	0.629	0.552		0.660	9.853	Ave RF	n/a			
Bis(2-ethylhexyl) adipate	0.715	0.661	0.640	0.597	0.549	0.517	0.516	0.457		0.581	14.941	Ave RF	n/a			
Benzo[a]anthracene	1.306	1.311	1.277	1.271	1.239	1.230	1.253	1.155		1.255	3.970	Ave RF	n/a			
3,3'-Dichlorobenzidine	0.408	0.415	0.395	0.402	0.407	0.395	0.373	0.330		0.391	7.073	Ave RF	n/a			
Chrysene	1.228	1.217	1.176	1.151	1.123	1.093	1.119	1.035		1.143	5.629	Ave RF	n/a			
Bis(2-ethylhexyl)phthalate	0.868	0.831	0.865	0.836	0.777	0.766	0.757	0.695		0.799	7.560	Ave RF	n/a			
Di-n-octylphthalate	1.259	1.237	1.247	1.258	1.173	1.158	1.085	0.993		1.176	8.157 CCC	Ave RF	n/a			
Perylene-d12																
Benzo[b]fluoranthene	2.173	2.016	1.939	1.734	1.655	1.541	1.579	1.375		1.751	15.385	Ave RF	n/a			
Benzo[k]fluoranthene	2.186	2.053	1.951	1.719	1.689	1.474	1.497	1.307		1.736	17.770	Ave RF	n/a			
Benzo[a]pyrene	1.742	1.646	1.565	1.455	1.421	1.329	1.328	1.155		1.455	13.095 CCC	Ave RF	n/a			
Indeno(1,2,3-c,d)pyrene	0.878	0.995	0.989	1.085	1.057	1.253	1.214	1.044		1.064	11.436	Ave RF	n/a			
Dibenzo[a,h]anthracene	0.785	0.886	0.860	0.936	0.905	1.042	0.994	0.869		0.910	8.855	Ave RF	n/a			
Benzo[g,h,i]perylene	0.528	0.603	0.656	0.735	0.699	0.918	0.917	0.837		0.737	19.538	Ave RF	n/a			
										AVG=	11.044					

JK
6-20-05

FORM 7
Continuing Calibration Verification Report

Data File : D:\HPCHEM\1\DATA\061705\N5974.D
Acq On: 6/17/2005 2:19
Sample: ICVSVSTD050
Misc: ST050518-11

Vial: 11
Operator: JOE K SOP 506 Rev. 12
Inst: GC/MS Ins
Multiplier: 1

Method: 061705S1
Title: GC-MS Semivolatiles SOP no. 506
Last Upd: Fri Jun 17 15:01:37 2005

		Compound	AvgRF	CCRF	Expt Conc	Found Conc	% Dev or % Drift	Area % Difference	R.T. Dev (min)	Curve Fit Type
1)	ISTD	1,4-Dichlorobenzene-d4	1.000	1.000				108	0.00	Ave RF
2)		Pyridine	1.187	1.137			-4.2	80	0.00	Ave RF
3)		n-Nitrosodimethylamine	0.575	0.571			-0.7	82	-0.01	Ave RF
6)		Aniline	1.551	1.484			-4.3	85	0.00	Ave RF
8)	CCC	Phenol	1.288	1.186			-7.9	81	0.00	Ave RF
9)		Tetramethylurea	1.868	1.704			-8.8	82	0.01	Ave RF
10)		Bis(2-chloroethyl)ether	1.021	1.072			5.0	96	0.00	Ave RF
11)		2-Chlorophenol	1.368	1.265			-7.5	83	0.00	Ave RF
12)		1,3-Dichlorobenzene	1.456	1.466			0.7	90	0.00	Ave RF
13)	CCC	1,4-Dichlorobenzene	1.553	1.530			-1.5	88	0.00	Ave RF
15)		1,2-Dichlorobenzene	1.463	1.397			-4.5	85	0.00	Ave RF
16)		Benzyl Alcohol	0.787	0.761			-3.2	86	0.00	Ave RF
17)		Bis(2-chloroisopropyl)ether	0.915	0.882			-3.6	87	0.00	Ave RF
18)		2-Methylphenol	1.008	0.960			-4.8	86	0.00	Ave RF
19)	SPCC	n-Nitroso-di-n-propylamine	0.843	0.844			0.1	85	0.00	Ave RF
20)		3+4-Methylphenol	1.422	1.440			1.3	88	0.00	Ave RF
21)		N-Methylaniline	2.169	2.038			-6.0	81	0.00	Ave RF
22)		Hexachloroethane	0.546	0.538			-1.8	88	0.00	Ave RF
23)	ISTD	Naphthalene-d8	1.000	1.000			0.0	109	0.00	Ave RF
25)		N,N-Dimethylaniline	0.624	0.558			-10.4	78	0.00	Ave RF
26)		Nitrobenzene	0.476	0.451			-5.2	84	0.00	Ave RF
27)		Isophorone	0.557	0.574			3.0	93	0.00	Ave RF
28)		N-Ethylaniline	0.704	0.656			-6.8	83	0.00	Ave RF
29)	CCC	2-Nitrophenol	0.187	0.188			0.3	88	0.00	Ave RF
30)		2,4-Dimethylphenol	0.351	0.372			5.9	95	0.00	Ave RF
31)		Bis(2-chloroethoxy)methane	0.348	0.326			-6.3	83	0.00	Ave RF
32)	CCC	2,4-Dichlorophenol	0.294	0.300			1.8	90	0.00	Ave RF
33)		Benzoic acid	0.121	0.110			-8.5	83	0.00	Ave RF
34)		1,2,4-Trichlorobenzene	0.327	0.325			-0.6	90	0.00	Ave RF
35)		Naphthalene	1.076	1.073			-0.3	90	0.00	Ave RF
36)		4-Chloroaniline	0.424	0.438			3.4	94	0.00	Ave RF
37)	CCC	Hexachlorobutadiene	0.187	0.206			10.3	99	0.00	Ave RF
38)	CCC	4-Chloro-3-methylphenol	0.273	0.263			-3.4	85	0.00	Ave RF
39)		2-Methylnaphthalene	0.706	0.726			2.8	93	0.00	Ave RF
40)	ISTD	Acenaphthene-d10	1.000	1.000			0.0	110	0.00	Ave RF
41)		1-Methylnaphthalene	1.290	1.163			-9.8	82	0.00	Ave RF
42)	SPCC	Hexachlorocyclopentadiene	n/a	n/a	50	49.43445286	-1.1	78	0.00	quadratic
43)	CCC	2,4,6-Trichlorophenol	0.339	0.324			-4.3	86	0.00	Ave RF
44)		2,4,5-Trichlorophenol	0.383	0.350			-8.7	82	0.00	Ave RF
46)		2-Chloronaphthalene	1.208	1.197			-0.9	88	0.00	Ave RF
47)		2-Nitroaniline	0.260	0.274			5.4	94	0.00	Ave RF
48)		1,4-Dinitrobenzene	0.188	0.195			3.5	94	0.00	Ave RF
49)		Dimethylphthalate	1.267	1.201			-5.2	88	0.00	Ave RF
50)		1,3-Dinitrobenzene	0.204	0.191			-6.4	86	0.00	Ave RF
51)		2,6-Dinitrotoluene	0.296	0.299			1.0	92	0.00	Ave RF
52)		1,2-Dinitrobenzene	0.133	0.124			-6.7	86	0.00	Ave RF
53)		Acenaphthylene	1.873	1.855			-0.9	89	0.00	Ave RF
54)		3-Nitroaniline	0.295	0.314			6.3	99	0.00	Ave RF
55)	CCC	Acenaphthene	1.224	1.259			2.9	92	0.00	Ave RF
56)	SPCC	2,4-Dinitrophenol	n/a	n/a	50	57.67444336	15.3	101	0.00	quadratic
57)	SPCC	4-Nitrophenol	0.136	0.130			-4.2	85	0.00	Ave RF
58)		Dibenzofuran	1.586	1.613			1.7	92	0.00	Ave RF
59)		2,4-Dinitrotoluene	0.362	0.370			2.5	92	0.00	Ave RF
60)		2,3,5,6-Tetrachlorophenol	0.247	0.231			-6.3	84	0.00	Ave RF
61)		2,3,4,6-Tetrachlorophenol	0.294	0.246			-16.5	75	0.00	Ave RF
62)		Diethylphthalate	1.240	1.195			-3.6	87	0.00	Ave RF
63)		Fluorene	1.322	1.351			2.2	94	0.00	Ave RF
64)		4-Chlorophenyl phenyl ether	0.598	0.547			-8.5	84	0.00	Ave RF
65)		4-Nitroaniline	0.314	0.355			13.1	98	0.00	Ave RF
66)		Azobenzene	1.029	1.067			3.7	96	0.00	Ave RF
68)	ISTD	Phenanthrene-d10	1.000	1.000			0.0	112	0.00	Ave RF
69)		4,6-Dinitro-2-methylphenol	0.135	0.140			3.4	95	0.00	Ave RF
70)	CCC	n-Nitrosodiphenylamine	0.724	0.671			-7.4	87	0.00	Ave RF
71)		4-Bromophenyl phenyl ether	0.236	0.189			-19.8	74	0.00	Ave RF
72)		Hexachlorobenzene	0.258	0.252			-2.1	89	0.00	Ave RF
73)	CCC	Pentachlorophenol	n/a	n/a	50	54.71798458	9.4	90	0.00	quadratic
74)		Phenanthrene	1.156	1.161			0.5	92	0.00	Ave RF
75)		Anthracene	1.190	1.186			-0.3	90	0.00	Ave RF
76)		Carbazole	1.063	1.089			2.4	92	0.00	Ave RF
77)		Di-n-butylphthalate	1.380	1.326			-3.9	86	0.00	Ave RF
78)	CCC	Fluoranthene	1.260	1.245			-1.2	89	0.00	Ave RF
79)	ISTD	Chrysene-d12	1.000	1.000			0.0	121	-0.01	Ave RF
80)		Benzidine	0.619	0.599			-3.1	88	0.00	Ave RF
81)		Pyrene	1.369	1.265			-7.6	89	0.00	Ave RF
83)		Butylbenzylphthalate	0.660	0.675			2.2	101	-0.01	Ave RF
84)		Bis(2-ethylhexyl) adipate	0.581	0.552			-5.0	93	-0.01	Ave RF
85)		Benzo[a]anthracene	1.255	1.203			-4.1	95	-0.01	Ave RF
86)		3,3'-Dichlorobenzidine	0.391	0.408			4.4	102	-0.01	Ave RF
87)		Chrysene	1.143	1.133			-0.8	99	-0.01	Ave RF
88)		Bis(2-ethylhexyl)phthalate	0.799	0.746			-6.7	90	-0.01	Ave RF
89)	CCC	Di-n-octylphthalate	1.176	1.149			-2.3	92	-0.01	Ave RF
90)	ISTD	Perylene-d12	1.000	1.000			0.0	111	-0.01	Ave RF
91)		Benzo[b]fluoranthene	1.751	1.729			-1.3	92	-0.01	Ave RF
92)		Benzo[k]fluoranthene	1.736	1.723			-0.7	93	-0.01	Ave RF
93)	CCC	Benzo[a]pyrene	1.455	1.523			4.6	97	-0.01	Ave RF
94)		Indeno(1,2,3-c,d)pyrene	1.064	1.083			1.7	92	-0.01	Ave RF
95)		Dibenzo[a,h]anthracene	0.910	0.933			2.6	92	-0.01	Ave RF
96)		Benzo[g,h,i]perylene	0.737	0.703			-4.5	89	-0.01	Ave RF

0.185

0.161

Average of absolute value = 4.6

JK 6-20-05

FORM 7
Continuing Calibration Verification Report

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On: 7/1/2005 11:25
Sample: CCVSVSTD060
Misc: ST050629-3

Method: 061705S1
Title: GC-MS Semivolatiles SOP no. 506
Last Upd: Fri Jul 01 11:56:47 2005

Vial: 2
Operator: JOE K SOP 506 Rev. 12
Inst: GC/MS Ins
Multiplier: 1

		Compound	AvgRF	CCRF	Expt Conc	Found Conc	% Dev or % Drift	Area % Difference	R.T. Dev (min)	Curve Fit Type
1)	ISTD	1,4-Dichlorobenzene-d4	1.000	1.000			0.0	92	0.00	Ave RF
2)		Pyridine	1.187	1.354			14.1	98	0.00	Ave RF
3)		n-Nitrosodimethylamine	0.575	0.654			13.7	97	0.00	Ave RF
4)		2-Fluorophenol	1.270	1.239			-2.4	85	0.00	Ave RF
5)		2-Chlorophenol-d4	1.473	1.365			-7.3	82	0.00	Ave RF
6)		Aniline	1.551	1.537			-0.9	90	0.00	Ave RF
7)		Phenol-d5	1.382	1.290			-6.7	83	0.00	Ave RF
8)	CCC	Phenol	1.288	1.338			3.9	93	0.00	Ave RF
9)		Tetramethylurea	1.868	1.817			-2.7	89	0.00	Ave RF
10)		Bis(2-chloroethyl)ether	1.021	1.039			1.7	95	0.00	Ave RF
11)		2-Chlorophenol	1.368	1.379			0.8	93	0.00	Ave RF
12)		1,3-Dichlorobenzene	1.458	1.481			1.6	93	0.00	Ave RF
13)	CCC	1,4-Dichlorobenzene	1.553	1.572			1.2	93	0.00	Ave RF
14)		1,2-Dichlorobenzene-d4	0.951	0.973			2.4	92	0.00	Ave RF
15)		1,2-Dichlorobenzene	1.463	1.490			1.8	93	0.00	Ave RF
16)		Benzyl Alcohol	0.787	0.811			3.0	93	0.00	Ave RF
17)		Bis(2-chloroisopropyl)ether	0.915	0.925			1.1	93	0.00	Ave RF
18)		2-Methylphenol	1.008	1.012			0.4	93	0.00	Ave RF
19)	SPCC	n-Nitroso-di-n-propylamine	0.843	0.904			7.2	94	0.00	Ave RF
20)		3+4-Methylphenol	1.422	1.487			4.6	93	0.00	Ave RF
21)		N-Methylaniline	2.169	2.176			0.3	88	0.00	Ave RF
22)		Hexachloroethane	0.548	0.548			0.0	92	0.00	Ave RF
23)	ISTD	Naphthalene-d8	1.000	1.000			0.0	92	0.00	Ave RF
24)		Nitrobenzene-d5	0.366	0.379			3.5	91	0.00	Ave RF
25)		N,N-Dimethylaniline	0.624	0.642			3.0	91	0.00	Ave RF
26)		Nitrobenzene	0.476	0.487			2.5	93	0.00	Ave RF
27)		Isophorone	0.557	0.548			-1.8	91	0.00	Ave RF
28)		N-Ethylaniline	0.704	0.696			-1.2	90	0.00	Ave RF
29)	CCC	2-Nitrophenol	0.187	0.203			8.2	97	0.00	Ave RF
30)		2,4-Dimethylphenol	0.351	0.364			3.7	95	0.00	Ave RF
31)		Bis(2-chloroethoxy)methane	0.348	0.346			-0.6	90	0.00	Ave RF
32)	CCC	2,4-Dichlorophenol	0.294	0.303			2.8	92	0.00	Ave RF
33)		Benzoic acid	0.121	0.091			-24.6	70	0.00	Ave RF
34)		1,2,4-Trichlorobenzene	0.327	0.330			1.1	93	0.00	Ave RF
35)		Naphthalene	1.076	1.084			0.8	93	0.00	Ave RF
36)		4-Chloroaniline	0.424	0.432			2.0	95	0.00	Ave RF
37)	CCC	Hexachlorobutadiene	0.187	0.189			1.2	92	0.00	Ave RF
38)	CCC	4-Chloro-3-methylphenol	0.273	0.279			2.3	92	0.00	Ave RF
39)		2-Methylnaphthalene	0.706	0.688			-2.6	90	0.00	Ave RF
40)	ISTD	Acenaphthene-d10	1.000	1.000			0.0	89	0.00	Ave RF
41)		1-Methylnaphthalene	1.290	1.304			1.1	90	0.00	Ave RF
42)	SPCC	Hexachlorocyclopentadiene	n/a	n/a	60	55.11211194	-8.1	74	0.00	quadratic
43)	CCC	2,4,6-Trichlorophenol	0.339	0.327			-3.4	85	0.00	Ave RF
44)		2,4,5-Trichlorophenol	0.383	0.386			0.6	89	0.00	Ave RF
45)		2-Fluorobiphenyl	1.493	1.561			4.6	88	0.00	Ave RF
46)		2-Chloronaphthalene	1.208	1.239			2.6	89	0.00	Ave RF
47)		2-Nitroaniline	0.260	0.266			2.2	89	0.00	Ave RF
48)		1,4-Dinitrobenzene	0.188	0.191			1.6	90	0.00	Ave RF
49)		Dimethylphthalate	1.267	1.256			-0.9	89	0.00	Ave RF
50)		1,3-Dinitrobenzene	0.204	0.203			-0.2	89	0.00	Ave RF
51)		2,6-Dinitrotoluene	0.296	0.299			0.9	90	0.00	Ave RF
52)		1,2-Dinitrobenzene	0.133	0.130			-2.2	88	0.00	Ave RF
53)		Acenaphthylene	1.873	1.905			1.7	90	0.00	Ave RF
54)		3-Nitroaniline	0.295	0.288			-2.6	89	0.00	Ave RF
55)	CCC	Acenaphthene	1.224	1.253			2.4	89	0.00	Ave RF
56)	SPCC	2,4-Dinitrophenol	n/a	n/a	60	55.51756361	-7.5	77	0.00	quadratic
57)	SPCC	4-Nitrophenol	0.136	0.131			-3.7	83	0.00	Ave RF
58)		Dibenzofuran	1.586	1.596			0.6	89	0.00	Ave RF
59)		2,4-Dinitrotoluene	0.362	0.363			0.5	89	0.00	Ave RF
60)		2,3,5,6-Tetrachlorophenol	0.247	0.220			-10.6	79	0.00	Ave RF
61)		2,3,4,6-Tetrachlorophenol	0.294	0.271			-7.9	81	0.00	Ave RF
62)		Diethylphthalate	1.240	1.252			0.9	89	0.00	Ave RF
63)		Fluorene	1.322	1.293			-2.2	88	0.00	Ave RF
64)		4-Chlorophenyl phenyl ether	0.598	0.595			-0.4	89	0.00	Ave RF
65)		4-Nitroaniline	0.314	0.330			5.0	88	0.00	Ave RF
66)		Azobenzene	1.029	0.992			-3.6	87	0.00	Ave RF
67)		2,4,6-Tribromophenol	0.166	0.145			-13.1	71	0.00	Ave RF
68)	ISTD	Phenanthrene-d10	1.000	1.000			0.0	87	0.00	Ave RF
69)		4,6-Dinitro-2-methylphenol	0.135	0.135			-0.1	86	0.00	Ave RF
70)	CCC	n-Nitrosodiphenylamine	0.724	0.719			-0.7	87	0.00	Ave RF
71)		4-Bromophenyl phenyl ether	0.236	0.238			1.0	87	0.00	Ave RF
72)		Hexachlorobenzene	0.258	0.259			0.6	86	0.00	Ave RF
73)	CCC	Pentachlorophenol	n/a	n/a	60	54.65963542	-8.9	70	0.00	quadratic
74)		Phenanthrene	1.156	1.207			4.4	89	0.00	Ave RF
75)		Anthracene	1.190	1.227			3.1	87	0.00	Ave RF
76)		Carbazole	1.063	1.067			0.3	84	0.00	Ave RF
77)		Di-n-butylphthalate	1.380	1.408			2.0	85	0.00	Ave RF
78)	CCC	Fluoranthene	1.260	1.265			0.4	84	0.00	Ave RF
79)	ISTD	Chrysene-d12	1.000	1.000			0.0	95	0.00	Ave RF
80)		Benzidine	0.619	0.618			-0.1	85	0.00	Ave RF
81)		Pyrene	1.369	1.254			-8.4	84	0.00	Ave RF
82)		p-Terphenyl-d14	1.074	1.014			-5.6	82	0.00	Ave RF
83)		Butylbenzylphthalate	0.660	0.630			-4.6	89	0.00	Ave RF
84)		Bis(2-ethylhexyl) adipate	0.581	0.570			-1.9	91	0.00	Ave RF
85)		Benzo[a]anthracene	1.255	1.241			-1.1	93	0.00	Ave RF
86)		3,3'-Dichlorobenzidine	0.391	0.426			9.1	101	0.00	Ave RF
87)		Chrysene	1.143	1.167			2.2	97	0.00	Ave RF
88)		Bis(2-ethylhexyl)phthalate	0.799	0.797			-0.3	91	0.00	Ave RF
89)	CCC	Di-n-octylphthalate	1.176	1.220			3.7	92	0.00	Ave RF
90)	ISTD	Perylene-d12	1.000	1.000			0.0	95	0.00	Ave RF
91)		Benzo[b]fluoranthene	1.751	1.773			1.3	97	0.00	Ave RF
92)		Benzo[k]fluoranthene	1.736	1.768			1.9	97	0.00	Ave RF
93)	CCC	Benzo[a]pyrene	1.455	1.464			0.6	95	0.00	Ave RF
94)		Indeno(1,2,3-c,d)pyrene	1.064	1.337			25.6	117	0.00	Ave RF
95)		Dibenzo[a,h]anthracene	0.910	1.171			28.7	119	0.00	Ave RF
96)		Benzo[g,h,i]perylene	0.737	0.886			20.2	114	0.00	Ave RF

0.179

0.127

Average of absolute value = 4.1

JC 7-3-05

071205S2 ✓
HPSV-2

FORM 6

	P2888.D 120	P2887.D 100	P2886.D 80	P2890.D 60	P2885.D 40	P2884.D 20	P2883.D 10	P2882.D 5	P2881.D 1	Average	%RSD		Curve type	Corr (r2)	Higher order equation quad term	linear term	const term
1,4-Dichlorobenzene-d4																	
Pyridine	1.165	1.265	1.272	1.333	1.294	1.290	1.275	1.199		1.262	4.29		Ave RF	n/a			
n-Nitrosodimethylamine	0.651	0.703	0.713	0.757	0.728	0.711	0.713	0.659	0.530	0.685	9.73		Ave RF	n/a			
2-Fluorophenol	1.261	1.243	1.251	1.163	1.231	1.200	1.190	1.147		1.211	3.50		Ave RF	n/a			
2-Chlorophenol-d4	1.357	1.316	1.290	1.162	1.252	1.262	1.234	1.145		1.252	5.76		Ave RF	n/a			
Aniline	1.619	1.665	1.546	1.455	1.536	1.653	1.586	1.542		1.575	4.43		Ave RF	n/a			
Phenol-d5	1.444	1.421	1.390	1.257	1.238	1.321	1.288	1.206		1.321	6.74		Ave RF	n/a			
Phenol	1.439	1.477	1.442	1.446	1.290	1.264	1.517	1.349		1.403	6.50	CCC	Ave RF	n/a			
Tetramethylurea	2.126	2.154	2.108	2.095	2.148	2.160	2.084	1.781		2.082	5.99		Ave RF	n/a			
Bis(2-chloroethyl)ether	0.957	1.045	1.071	1.088	1.115	1.060	1.070	1.004		1.051	4.75		Ave RF	n/a			
2-Chlorophenol	1.264	1.330	1.262	1.243	1.237	1.251	1.240	1.163		1.251	3.75		Ave RF	n/a			
1,3-Dichlorobenzene	1.422	1.478	1.453	1.483	1.482	1.465	1.460	1.403		1.456	2.00		Ave RF	n/a			
1,4-Dichlorobenzene	1.476	1.564	1.541	1.515	1.517	1.513	1.537	1.484		1.518	1.92	CCC	Ave RF	n/a			
1,2-Dichlorobenzene-d4	0.970	0.950	0.943	0.855	0.911	0.908	0.918	0.867		0.915	4.34		Ave RF	n/a			
1,2-Dichlorobenzene	1.390	1.447	1.434	1.414	1.398	1.380	1.400	1.323		1.398	2.68		Ave RF	n/a			
Benzyl Alcohol	0.776	0.769	0.777	0.782	0.747	0.716	0.712	0.630		0.741	7.28		Ave RF	n/a			
Bis(2-chloroisopropyl)ether	0.767	0.774	0.744	0.703	0.644	0.629	0.628	0.621		0.689	9.56		Ave RF	n/a			
2-Methylphenol	0.996	1.000	0.996	0.976	0.921	0.899	0.899	0.884		0.946	5.31		Ave RF	n/a			
n-Nitroso-di-n-propylamine	1.097	1.142	1.137	1.093	0.999	0.893	0.873	0.812		1.006	12.99	SPCC	Ave RF	n/a			
3+4-Methylphenol	1.448	1.523	1.497	1.457	1.347	1.232	1.212	1.131		1.356	10.91		Ave RF	n/a			
N-Methylaniline	1.963	1.998	1.987	1.940	1.835	1.694	1.678	1.544		1.830	9.36		Ave RF	n/a			
Hexachloroethane	0.571	0.596	0.591	0.606	0.574	0.574	0.558	0.549		0.577	3.33		Ave RF	n/a			
N,N-Dimethylaniline	2.045	2.037	2.031	1.960	1.855	1.785	1.761	1.662		1.892	7.76		Ave RF	n/a			
Naphthalene-d8																	
Nitrobenzene-d5	0.547	0.537	0.525	0.474	0.479	0.451	0.441	0.419		0.484	9.76		Ave RF	n/a			
Nitrobenzene	0.664	0.704	0.676	0.667	0.650	0.609	0.610	0.588		0.646	6.14		Ave RF	n/a			
Isophorone	0.721	0.760	0.703	0.698	0.673	0.654	0.630	0.634		0.684	6.56		Ave RF	n/a			
N-Ethylaniline	0.832	0.848	0.792	0.777	0.757	0.734	0.731	0.668		0.767	7.60		Ave RF	n/a			
2-Nitrophenol	0.193	0.205	0.200	0.199	0.189	0.180	0.171	0.162		0.187	8.08	CCC	Ave RF	n/a			
2,4-Dimethylphenol	0.394	0.430	0.415	0.415	0.405	0.396	0.385	0.376		0.402	4.41		Ave RF	n/a			
Bis(2-chloroethoxy)methane	0.384	0.414	0.397	0.396	0.385	0.380	0.377	0.373		0.388	3.47		Ave RF	n/a			
2,4-Dichlorophenol	0.311	0.345	0.336	0.338	0.328	0.319	0.314	0.296		0.324	4.91	CCC	Ave RF	n/a			
Benzoic acid	0.117	0.133	0.108	0.112	0.073					0.108	20.40		Ave RF	n/a			
1,2,4-Trichlorobenzene	0.392	0.419	0.408	0.412	0.417	0.410	0.420	0.403		0.410	2.27		Ave RF	n/a			
Naphthalene	1.097	1.171	1.121	1.122	1.097	1.070	1.094	1.058		1.104	3.17		Ave RF	n/a			
4-Chloroaniline	0.409	0.435	0.421	0.413	0.397	0.400	0.389	0.399		0.408	3.65		Ave RF	n/a			
Hexachlorobutadiene	0.255	0.275	0.263	0.274	0.276	0.268	0.266	0.262		0.267	2.81	CCC	Ave RF	n/a			
4-Chloro-3-methylphenol	0.316	0.346	0.330	0.336	0.310	0.291	0.294	0.293		0.315	6.75	CCC	Ave RF	n/a			
2-Methylnaphthalene	0.734	0.788	0.736	0.746	0.721	0.730	0.719	0.699		0.734	3.56		Ave RF	n/a			
1-Methylnaphthalene	0.712	0.753	0.722	0.723	0.688	0.688	0.684	0.709		0.710	3.31		Ave RF	n/a			
Acenaphthene-d10																	
Hexachlorocyclopentadiene	0.378	0.414	0.403	0.383	0.290	0.256	0.195			0.331	25.46	SPCC	Ave RF	n/a			
2,4,6-Trichlorophenol	0.407	0.446	0.433	0.439	0.406	0.387	0.389	0.325		0.404	9.67	CCC	Ave RF	n/a			
2,4,5-Trichlorophenol	0.445	0.470	0.469	0.470	0.430	0.429	0.385	0.354		0.431	9.87		Ave RF	n/a			
2-Fluorobiphenyl	1.669	1.635	1.630	1.482	1.576	1.607	1.577	1.493		1.584	4.22		Ave RF	n/a			
2-Chloronaphthalene	1.220	1.296	1.267	1.254	1.223	1.244	1.210	1.157		1.234	3.40		Ave RF	n/a			
2-Nitroaniline	0.328	0.358	0.351	0.349	0.335	0.327	0.317	0.287		0.331	6.81		Ave RF	n/a			
1,4-Dinitrobenzene	0.204	0.213	0.209	0.203	0.195	0.183	0.175	0.145		0.191	11.79		Ave RF	n/a			
Dimethylphthalate	1.286	1.372	1.313	1.277	1.283	1.271	1.278	1.229		1.289	3.17		Ave RF	n/a			
1,3-Dinitrobenzene	0.222	0.231	0.229	0.217	0.215	0.211	0.204	0.178		0.213	7.95		Ave RF	n/a			
2,6-Dinitrotoluene	0.319	0.341	0.332	0.322	0.321	0.322	0.307	0.302		0.321	3.79		Ave RF	n/a			
1,2-Dinitrobenzene	0.142	0.151	0.147	0.139	0.138	0.140	0.128	0.130		0.139	5.61		Ave RF	n/a			
Acenaphthylene	1.849	1.975	1.943	1.904	1.848	1.843	1.861	1.713		1.867	4.23		Ave RF	n/a			
3-Nitroaniline	0.278	0.296	0.292	0.280	0.250	0.249	0.245	0.247		0.267	8.06		Ave RF	n/a			
Acenaphthene	1.224	1.300	1.285	1.256	1.213	1.171	1.175	1.108		1.217	5.27	CCC	Ave RF	n/a			
2,4-Dinitrophenol	0.142	0.151	0.136	0.119	0.082	0.068				0.116	29.19	SPCC	Ave RF	n/a			
4-Nitrophenol	0.207	0.220	0.219	0.209	0.170	0.143				0.195	16.05	SPCC	Ave RF	n/a			
Dibenzofuran	1.816	1.742	1.696	1.693	1.645	1.653	1.671	1.649		1.671	2.32		Ave RF	n/a			
2,4-Dinitrotoluene	0.417	0.429	0.433	0.415	0.396	0.371	0.369	0.361		0.399	7.20		Ave RF	n/a			
2,3,5,6-Tetrachlorophenol	0.323	0.349	0.328	0.316	0.270	0.241	0.206	0.171		0.276	23.36		Ave RF	n/a			
2,3,4,6-Tetrachlorophenol	0.365	0.377	0.374	0.370	0.329	0.316	0.289	0.236		0.332	15.11		Ave RF	n/a			
Diethylphthalate	1.319	1.369	1.347	1.318	1.261	1.189	1.200	1.147		1.269	6.47		Ave RF	n/a			
Fluorene	1.352	1.432	1.392	1.366	1.331	1.322	1.326	1.291		1.351	3.29		Ave RF	n/a			
4-Chlorophenyl phenyl ether	0.689	0.726	0.714	0.708	0.689	0.697	0.718	0.711		0.707	1.93		Ave RF	n/a			
4-Nitroaniline	0.300	0.320	0.319	0.306	0.276	0.251	0.243	0.215		0.279	13.93		Ave RF	n/a			
Azobenzene	1.329	1.377	1.344	1.302	1.281	1.264	1.268	1.224		1.299	3.82		Ave RF	n/a			
2,4,6-Tribromophenol	0.216	0.210	0.209	0.184	0.180	0.162	0.139	0.124		0.178	19.24		Ave RF	n/a			
Phenanthrene-d10																	
4,6-Dinitro-2-methylphenol	0.138	0.151	0.142	0.136	0.121	0.095				0.131	15.28		Ave RF	n/a			
n-Nitrosodiphenylamine	0.589	0.618	0.605	0.607	0.590	0.596	0.598	0.597		0.600	1.58	CCC	Ave RF	n/a			
4-Bromophenyl phenyl ether	0.222	0.236	0.231	0.239	0.242	0.247	0.239	0.233		0.236	3.16		Ave RF	n/a			
Hexachlorobenzene	0.225	0.238	0.235	0.239	0.245	0.246	0.253	0.255		0.242	4.01		Ave RF	n/a			
Pentachlorophenol	0.103	0.111	0.099	0.097	0.072	0.044				0.087	28.66	CCC	quadratic	0.992	-0.00516	0.13792	-0.05156
Phenanthrene	1.066	1.128	1.112	1.122	1.106	1.071	1.086	1.072		1.095	2.24		Ave RF	n/a			
Anthracene	1.071	1.144	1.131	1.128	1.100	1.076	1.072	1.065		1.098	2.88		Ave RF	n/a			
Carbazole	0.916	0.985	0.985	0.990	0.956	0.923	0.900	0.914		0.946	3.93		Ave RF	n/a			
Di-n-butylphthalate	1.184	1.263	1.250	1.275	1.267	1.276	1.225	1.138		1.235	4.04		Ave RF	n/a			
Fluoranthene	1.151	1.278	1.258	1.300	1.289	1.286	1.281	1.253		1.263	3.50	CCC	Ave RF	n/a			
Chrysene-d12																	
Benzidine	0.571	0.638	0.584	0.581	0.487	0.413	0.449	0.497		0.528	14.66		Ave RF	n/a			
Pyrene	1.179	1.262	1.281	1.340	1.337	1.310	1.329	1.281		1.290	4.15		Ave RF	n/a			
p-Terphenyl-d14	0.866	0.881	0.891	0.868	0.923	0.924	0.952	0.896		0.900	3.36		Ave RF	n/a			
Butylbenzylphthalate	0.490	0.536	0.548	0.567	0.545	0.532	0.520	0.507		0.531	4.58		Ave RF	n/a			
Bis(2-ethylhexyl) adipate	0.439	0.478	0.482	0.493	0.454	0.441	0.421	0.409		0.452	6.62		Ave RF	n/a			
Benzo[a]anthracene	1.181	1.289	1.296	1.324	1.325	1.342	1.331	1.336		1.303	4.05		Ave RF	n/a			
3,3'-Dichlorobenzidine	0.445	0.476	0.473	0.471	0.466	0.435	0.435	0.434		0.454	4.13		Ave RF	n/a			
Chrysene	1.092	1.200	1.232	1.229	1.224	1.208	1.257	1.275		1.214	4.55		Ave RF	n/a			
Bis(2-ethylhexyl)phthalate	0.719	0.765	0.769	0.776	0.760	0.742	0.740	0.703		0.747	3.43		Ave RF	n/a			
Di-n-octylphthalate	1.182	1.268	1.293	1.285	1.267	1.272	1.252	1.177		1.249	3.61	CCC	Ave RF	n/a			
Perylene-d12																	
Benzo[b]fluoranthene	1.721	1.827	1.735	1.683	1.592	1.589	1.661	1.480		1.661	6.42		Ave RF	n/a			
Benzo[k]fluoranthene	1.476	1.548	1.464	1.590	1.591	1.490	1.424	1.518		1.513	4.00		Ave RF	n/a			
Benzo[a]pyrene	1.367	1.515	1.476	1.473	1.485	1.445	1.449	1.406		1.452	3.23	CCC	Ave RF	n/a			
Indeno(1,2,3-c,d)pyrene	0.807	0.817	0.912	0.994	1.291	1.388	1.410	1.462		1.135	24.67		Ave RF	n/a			
Dibenzo[a,h]anthracene	0.710	0.728	0.806	0.864	1.087	1.149	1.180	1.245		0.971	22.36		Ave RF	n/a			
Benzo[g,h,i]perylene	0.607	0.602	0.691	0.766	1.010	1.114	1.211	1.241		0.905	29.73		Ave RF	n/a			
										Average=	7.71						

JL 7-12-05

FORM 7
Initial Calibration Verification Report

Data File : C:\HPCHEM\1\DATA\071205\P2889.D
Acq On: 7/12/2005 1:04
Sample: ICVSVSTD050
Misc: ST050712-

Vial: 11
Operator: JK SOP506 Rev.13
Inst: HPSV-2
Multiplier: 1

Method: 071205S2
Title: GC-MS Semivolatiles SOP no. 506
Last Upd: Tue Jul 12 13:16:38 2005

		Compound	AvgRF	CCRF	Expt Conc	Found Conc	% Dev or % Drift	Area % Difference	R.T. Dev (min)	Curve Fit Type
1)	ISTD	1,4-Dichlorobenzene-d4	1.000	1.000				96	0.00	Ave RF
2)		Pyridine	1.262	1.237			-1.9	74	0.00	Ave RF
3)		n-Nitrosodimethylamine	0.685	0.617			-9.9	65	0.00	Ave RF
4)		2-Fluorophenol	1.211							Ave RF
5)		2-Chlorophenol-d4	1.252							Ave RF
6)		Aniline	1.575	1.649			4.6	90	0.01	Ave RF
7)		Phenol-d5	1.321							Ave RF
8)	CCC	Phenol	1.403	1.284			-8.5	71	0.01	Ave RF
9)		Tetramethylurea	2.082	2.080			-0.1	79	0.03	Ave RF
10)		Bis(2-chloroethyl)ether	1.051	1.073			2.1	79	0.01	Ave RF
11)		2-Chlorophenol	1.251	1.215			-2.9	78	0.01	Ave RF
12)		1,3-Dichlorobenzene	1.456	1.562			7.3	84	0.00	Ave RF
13)	CCC	1,4-Dichlorobenzene	1.518	1.562			2.8	82	0.00	Ave RF
14)		1,2-Dichlorobenzene-d4	0.915							Ave RF
15)		1,2-Dichlorobenzene	1.398	1.455			4.1	82	0.00	Ave RF
16)		Benzyl Alcohol	0.741	0.768			3.7	78	0.01	Ave RF
17)		Bis(2-chloroisopropyl)ether	0.689	0.643			-6.6	73	0.00	Ave RF
18)		2-Methylphenol	0.946	0.933			-1.4	76	0.01	Ave RF
19)	SPCC	n-Nitroso-di-n-propylamine	1.006	1.007			0.1	74	0.01	Ave RF
20)		3+4-Methylphenol	1.356	1.347			-0.6	74	0.01	Ave RF
21)		N-Methylaniline	1.830	1.861			1.7	77	0.01	Ave RF
22)		Hexachloroethane	0.577	0.603			4.4	79	0.00	Ave RF
23)		N,N-Dimethylaniline	1.892	1.832			-3.1	75	0.01	Ave RF
24)	ISTD	Naphthalene-d8	1.000	1.000				95	0.00	Ave RF
25)		Nitrobenzene-d5	0.484							Ave RF
26)		Nitrobenzene	0.646	0.644			-0.4	76	0.01	Ave RF
27)		Isophorone	0.684	0.754			10.2	85	0.01	Ave RF
28)		N-Ethylaniline	0.767	0.766			-0.2	78	0.01	Ave RF
29)	CCC	2-Nitrophenol	0.187	0.194			3.6	77	0.01	Ave RF
30)		2,4-Dimethylphenol	0.402	0.442			10.1	84	0.01	Ave RF
31)		Bis(2-chloroethoxy)methane	0.388	0.397			2.2	79	0.01	Ave RF
32)	CCC	2,4-Dichlorophenol	0.324	0.323			-0.3	75	0.01	Ave RF
33)		Benzoic acid	0.108	0.088			-18.5	62	0.02	Ave RF
34)		1,2,4-Trichlorobenzene	0.410	0.432			5.3	83	0.00	Ave RF
35)		Naphthalene	1.104	1.115			1.0	79	0.00	Ave RF
36)		4-Chloroaniline	0.408	0.443			8.6	85	0.00	Ave RF
37)	CCC	Hexachlorobutadiene	0.297	0.317			18.7	92	0.00	Ave RF
38)	CCC	4-Chloro-3-methylphenol	0.315	0.320			1.6	75	0.00	Ave RF
39)		2-Methylnaphthalene	0.734	0.770			4.9	82	0.00	Ave RF
40)		1-Methylnaphthalene	0.710	0.692			-2.5	76	0.00	Ave RF
41)	ISTD	Acenaphthene-d10	1.000	1.000				92	0.00	Ave RF
42)	SPCC	Hexachlorocyclopentadiene	0.331	0.395			19.2	79	0.00	Ave RF
43)	CCC	2,4,6-Trichlorophenol	0.404	0.428			6.0	75	0.00	Ave RF
44)		2,4,5-Trichlorophenol	0.431	0.467			8.2	76	0.00	Ave RF
45)		2-Fluorobiphenyl	1.584							Ave RF
46)		2-Chloronaphthalene	1.234	1.322			7.1	81	0.01	Ave RF
47)		2-Nitroaniline	0.331	0.363			9.4	80	0.01	Ave RF
48)		1,4-Dinitrobenzene	0.191	0.220			15.0	83	0.01	Ave RF
49)		Dimethylphthalate	1.289	1.324			2.7	80	0.01	Ave RF
50)		1,3-Dinitrobenzene	0.213	0.222			4.3	79	0.01	Ave RF
51)		2,6-Dinitrotoluene	0.321	0.342			6.5	82	0.01	Ave RF
52)		1,2-Dinitrobenzene	0.139	0.147			5.6	82	0.01	Ave RF
53)		Acenaphthylene	1.867	1.943			4.1	79	0.00	Ave RF
54)		3-Nitroaniline	0.267	0.295			10.3	81	0.01	Ave RF
55)	CCC	Acenaphthene	1.217	1.285			5.6	79	0.01	Ave RF
56)	SPCC	2,4-Dinitrophenol	0.116	0.125			7.8	81	0.01	Ave RF
57)	SPCC	4-Nitrophenol	0.195	0.212			9.0	78	0.01	Ave RF
58)		Dibenzofuran	1.671	1.771			6.0	81	0.00	Ave RF
59)		2,4-Dinitrotoluene	0.399	0.439			10.1	81	0.01	Ave RF
60)		2,3,5,6-Tetrachlorophenol	0.276	0.311			12.8	76	0.00	Ave RF
61)		2,3,4,6-Tetrachlorophenol	0.332	0.359			8.2	75	0.00	Ave RF
62)		Diethylphthalate	1.269	1.296			2.1	76	0.01	Ave RF
63)		Fluorene	1.351	1.376			1.8	78	0.00	Ave RF
64)		4-Chlorophenyl phenyl ether	0.707	0.693			-1.9	75	0.00	Ave RF
65)		4-Nitroaniline	0.279	0.321			15.2	81	0.02	Ave RF
66)		Azobenzene	1.299	1.389			6.9	82	0.01	Ave RF
67)		2,4,6-Tribromophenol	0.178							Ave RF
68)	ISTD	Phenanthrene-d10	1.000	1.000				91	0.00	Ave RF
69)		4,6-Dinitro-2-methylphenol	0.131	0.151			15.7	84	0.01	Ave RF
70)	CCC	n-Nitrosodiphenylamine	0.600	0.598			-0.4	75	0.01	Ave RF
71)		4-Bromophenyl phenyl ether	0.236	0.215			-8.9	69	0.00	Ave RF
72)		Hexachlorobenzene	0.242	0.264			9.0	84	0.01	Ave RF
73)	CCC	Pentachlorophenol	50.000	n/a	50	58.93	17.9	89	0.00	quadratic
74)		Phenanthrene	1.095	1.144			4.5	78	0.00	Ave RF
75)		Anthracene	1.098	1.162			5.8	78	0.01	Ave RF
76)		Carbazole	0.946	1.040			9.9	80	0.00	Ave RF
77)		Di-n-butylphthalate	1.235	1.257			1.8	75	0.00	Ave RF
78)	CCC	Fluoranthene	1.263	1.381			9.4	81	0.01	Ave RF
79)	ISTD	Chrysene-d12	1.000	1.000				92	0.00	Ave RF
80)		Benzidine	0.528	0.616			16.8	81	0.01	Ave RF
81)		Pyrene	1.290	1.397			8.3	80	0.01	Ave RF
82)		p-Terphenyl-d14	0.900							Ave RF
83)		Butylbenzylphthalate	0.531	0.571			7.6	77	0.00	Ave RF
84)		Bis(2-ethylhexyl) adipate	0.452	0.486			7.5	76	0.00	Ave RF
85)		Benzo[a]anthracene	1.303	1.336			2.5	77	0.01	Ave RF
86)		3,3'-Dichlorobenzidine	0.454	0.500			10.1	81	0.01	Ave RF
87)		Chrysene	1.214	1.270			4.6	79	0.01	Ave RF
88)		Bis(2-ethylhexyl)phthalate	0.747	0.787			5.4	78	0.00	Ave RF
89)	CCC	Di-n-octylphthalate	1.249	1.300			4.1	77	0.00	Ave RF
90)	ISTD	Perylene-d12	1.000	1.000				108	0.00	Ave RF
91)		Benzo[b]fluoranthene	1.661	1.673			0.7	89	0.00	Ave RF
92)		Benzo[k]fluoranthene	1.513	1.445			-4.5	81	0.00	Ave RF
93)	CCC	Benzo[a]pyrene	1.452	1.529			5.3	93	0.00	Ave RF
94)		Indeno(1,2,3-c,d)pyrene	1.135	1.287			13.4	116	0.00	Ave RF
95)		Dibenzo[a,h]anthracene	0.971	1.069			10.1	111	0.00	Ave RF
96)		Benzo[g,h,i]perylene	0.905	0.955			5.4	112	0.00	Ave RF

Average of absolute value = 6.5

JC 7-12-05

FORM 7
Continuing Calibration Verification Report

Data File : C:\HPCHEM\1\DATA\071805\P3016.D
Acq On: 7/18/2005 10:39
Sample: CCVSVSTD060
Misc: ST050712-9

Vial: 2
Operator: JK SOP506 Rev.13
Inst: HPSV-2
Multiplier: 1

Method: 071205S2
Title: GC-MS Semivolatiles SOP no. 506
Last Upd: Mon Jul 18 11:08:31 2005

		Compound	AvgRF	CCRF	Expt Conc	Found Conc	% Dev or % Drift	Area % Difference	R.T. Dev (min)	Curve Fit Type
1)	ISTD	1,4-Dichlorobenzene-d4	1.000	1.000				138	0.00	Ave RF
2)		Pyridine	1.262	1.220			-3.3	127	0.00	Ave RF
3)		n-Nitrosodimethylamine	0.685	0.695			1.4	127	0.00	Ave RF
4)		2-Fluorophenol	1.211	1.044			-13.8	124	0.00	Ave RF
5)		2-Chlorophenol-d4	1.252	1.119			-10.7	133	0.00	Ave RF
6)		Aniline	1.575	1.475			-6.4	140	0.00	Ave RF
7)		Phenol-d5	1.321	1.293			-2.1	142	0.00	Ave RF
8)	CCC	Phenol	1.403	1.422			1.4	136	0.00	Ave RF
9)		Tetramethylurea	2.082	2.194			5.4	145	0.00	Ave RF
10)		Bis(2-chloroethyl)ether	1.051	1.097			4.3	140	0.00	Ave RF
11)		2-Chlorophenol	1.251	1.220			-2.5	136	0.00	Ave RF
12)		1,3-Dichlorobenzene	1.456	1.408			-3.3	131	0.00	Ave RF
13)	CCC	1,4-Dichlorobenzene	1.518	1.467			-3.4	134	0.00	Ave RF
14)		1,2-Dichlorobenzene-d4	0.915	0.892			-2.6	144	0.00	Ave RF
15)		1,2-Dichlorobenzene	1.398	1.367			-2.2	134	0.00	Ave RF
16)		Benzyl Alcohol	0.741	0.770			3.9	136	0.00	Ave RF
17)		Bis(2-chloroisopropyl)ether	0.689	0.783			13.7	154	0.00	Ave RF
18)		2-Methylphenol	0.946	1.008			6.5	143	0.00	Ave RF
19)	SPCC	n-Nitroso-di-n-propylamine	1.006	1.105			9.8	140	0.00	Ave RF
20)		3+4-Methylphenol	1.356	1.367			0.8	130	0.00	Ave RF
21)		N-Methylaniline	1.830	1.914			4.6	137	0.00	Ave RF
22)		Hexachloroethane	0.577	0.591			2.4	135	0.00	Ave RF
23)		N,N-Dimethylaniline	1.892	1.957			3.4	138	0.00	Ave RF
24)	ISTD	Naphthalene-d8	1.000	1.000				137	0.00	Ave RF
25)		Nitrobenzene-d5	0.484	0.500			3.3	145	0.00	Ave RF
26)		Nitrobenzene	0.646	0.702			8.6	144	0.00	Ave RF
27)		Isophorone	0.684	0.725			6.0	142	0.00	Ave RF
28)		N-Ethylaniline	0.767	0.768			0.2	135	0.00	Ave RF
29)	CCC	2-Nitrophenol	0.187	0.192			2.6	133	0.00	Ave RF
30)		2,4-Dimethylphenol	0.402	0.418			4.0	138	0.00	Ave RF
31)		Bis(2-chloroethoxy)methane	0.388	0.404			4.1	140	0.00	Ave RF
32)	CCC	2,4-Dichlorophenol	0.324	0.344			6.2	139	0.00	Ave RF
33)		Benzoic acid	0.108	0.088			-19.1	107	0.00	Ave RF
34)		1,2,4-Trichlorobenzene	0.410	0.399			-2.7	133	0.00	Ave RF
35)		Naphthalene	1.104	1.109			0.4	135	0.00	Ave RF
36)		4-Chloroaniline	0.408	0.393			-3.6	130	0.00	Ave RF
37)	CCC	Hexachlorobutadiene	0.267	0.259			-3.0	130	0.00	Ave RF
38)	CCC	4-Chloro-3-methylphenol	0.315	0.340			8.0	139	0.00	Ave RF
39)		2-Methylnaphthalene	0.734	0.774			5.4	142	0.00	Ave RF
40)		1-Methylnaphthalene	0.710	0.753			6.1	143	0.00	Ave RF
41)	ISTD	Acenaphthene-d10	1.000	1.000				143	0.00	Ave RF
42)	SPCC	Hexachlorocyclopentadiene	0.331	0.292			-11.9	109	0.00	Ave RF
43)	CCC	2,4,6-Trichlorophenol	0.404	0.424			5.0	138	0.00	Ave RF
44)		2,4,5-Trichlorophenol	0.431	0.460			6.6	139	0.00	Ave RF
45)		2-Fluorobiphenyl	1.584	1.491			-5.8	143	0.00	Ave RF
46)		2-Chloronaphthalene	1.234	1.269			2.8	144	0.00	Ave RF
47)		2-Nitroaniline	0.331	0.385			16.2	157	0.00	Ave RF
48)		1,4-Dinitrobenzene	0.191	0.203			6.2	142	0.00	Ave RF
49)		Dimethylphthalate	1.289	1.298			0.6	145	0.00	Ave RF
50)		1,3-Dinitrobenzene	0.213	0.215			1.1	141	0.00	Ave RF
51)		2,6-Dinitrotoluene	0.321	0.310			-3.3	137	0.00	Ave RF
52)		1,2-Dinitrobenzene	0.139	0.135			-3.2	138	0.00	Ave RF
53)		Acenaphthylene	1.867	1.968			5.4	147	0.00	Ave RF
54)		3-Nitroaniline	0.267	0.268			0.4	136	0.00	Ave RF
55)	CCC	Acenaphthene	1.217	1.237			1.7	140	0.00	Ave RF
56)	SPCC	2,4-Dinitrophenol	0.116	0.110			-5.2	132	0.00	Ave RF
57)	SPCC	4-Nitrophenol	0.195	0.205			5.2	140	0.00	Ave RF
58)		Dibenzofuran	1.671	1.683			0.7	142	0.00	Ave RF
59)		2,4-Dinitrotoluene	0.399	0.399			0.0	137	0.00	Ave RF
60)		2,3,5,6-Tetrachlorophenol	0.276	0.303			9.9	137	0.00	Ave RF
61)		2,3,4,6-Tetrachlorophenol	0.332	0.353			6.4	136	0.00	Ave RF
62)		Diethylphthalate	1.269	1.325			4.5	143	0.00	Ave RF
63)		Fluorene	1.351	1.378			2.0	144	0.00	Ave RF
64)		4-Chlorophenyl phenyl ether	0.707	0.728			3.0	146	0.00	Ave RF
65)		4-Nitroaniline	0.279	0.299			7.2	139	0.00	Ave RF
66)		Azobenzene	1.299	1.454			12.0	159	0.00	Ave RF
67)		2,4,6-Tribromophenol	0.178	0.171			-3.9	132	0.00	Ave RF
68)	ISTD	Phenanthrene-d10	1.000	1.000				139	0.00	Ave RF
69)		4,6-Dinitro-2-methylphenol	0.131	0.142			8.7	145	0.00	Ave RF
70)	CCC	n-Nitrosodiphenylamine	0.600	0.629			4.7	144	0.00	Ave RF
71)		4-Bromophenyl phenyl ether	0.236	0.232			-1.7	135	0.00	Ave RF
72)		Hexachlorobenzene	0.242	0.240			-0.8	140	0.00	Ave RF
73)	CCC	Pentachlorophenol	60.000	n/a	60	57.25	-4.6	130	0.00	quadratic
74)		Phenanthrene	1.095	1.165			6.4	144	0.00	Ave RF
75)		Anthracene	1.098	1.172			6.7	145	0.00	Ave RF
76)		Carbazole	0.946	1.022			8.1	144	0.00	Ave RF
77)		Di-n-butylphthalate	1.235	1.325			7.3	145	0.00	Ave RF
78)	CCC	Fluoranthene	1.263	1.344			6.4	144	0.00	Ave RF
79)	ISTD	Chrysene-d12	1.000	1.000				151	0.00	Ave RF
80)		Benzidine	0.528	0.566			7.3	147	0.00	Ave RF
81)		Pyrene	1.290	1.293			0.2	146	0.00	Ave RF
82)		p-Terphenyl-d14	0.900	0.845			-6.1	147	0.00	Ave RF
83)		Butylbenzylphthalate	0.531	0.577			8.8	154	0.00	Ave RF
84)		Bis(2-ethylhexyl) adipate	0.452	0.497			10.0	152	0.00	Ave RF
85)		Benzo[a]anthracene	1.303	1.299			-0.3	148	0.00	Ave RF
86)		3,3'-Dichlorobenzidine	0.454	0.451			-0.7	145	0.00	Ave RF
87)		Chrysene	1.214	1.202			-1.0	148	0.00	Ave RF
88)		Bis(2-ethylhexyl)phthalate	0.747	0.774			3.6	151	0.00	Ave RF
89)	CCC	Di-n-octylphthalate	1.249	1.252			0.2	147	0.00	Ave RF
90)	ISTD	Perylene-d12	1.000	1.000				153	0.00	Ave RF
91)		Benzo[b]fluoranthene	1.661	1.637			-1.4	149	0.00	Ave RF
92)		Benzo[k]fluoranthene	1.513	1.559			3.1	150	0.00	Ave RF
93)	CCC	Benzo[a]pyrene	1.452	1.467			1.0	152	0.00	Ave RF
94)		Indeno[1,2,3-c,d]pyrene	1.135	0.986			-13.1	152	0.00	Ave RF
95)		Dibenzo[a,h]anthracene	0.971	0.892			-8.1	158	0.00	Ave RF
96)		Benzo[g,h,i]perylene	0.905	0.735			-18.8	147	0.00	Ave RF

Average of absolute value = 5.1

JK 7-19-05

8B

Semi-Volatile Internal Standard Area Summary

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Date Analyzed: 7/1/2005
Time Analyzed: 11:25
Reported on: Monday, July 25, 2005

Instrument ID: HPSV1
Lab File ID: N6063

	IS1		IS2		IS3		IS4		IS5		IS6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
12 Hour STD	435154	6.27	1520747	7.51	800739	9.08	1185516	10.36	1244261	12.76	701088	14.25
Upper Limit	870308	6.77	3041494	8.01	1601478	9.58	2371032	10.9	2488522	13.3	1402176	14.8
Lower Limit	217577	5.77	760373.5	7.01	400369.5	8.58	592758	9.86	622130.5	12.3	350544	13.8
Lab Sample ID												
0506218-17	396439	6.27	1407575	7.51	790834	9.07	1175365	10.36	949567	12.76	633098	14.27
0506217-11RR1	473943	6.27	1673264	7.51	986071	9.07	1544400	10.36	1364548	12.75	846001	14.25
0506217-11	457931	6.28	1838416	7.52	1312717	9.09	2281588	10.37	445908	12.74	128107	14.23
EX050628-8MB	418054	6.27	1464828	7.51	821370	9.07	1182321	10.36	994513	12.76	726442	14.26
EX050628-8LCSD	431661	6.27	2313535	7.52	756013	9.08	1116730	10.36	1189437	12.77	478305	14.27
EX050628-8LCS	425993	6.27	2294547	7.52	767416	9.08	1153658	10.36	1268269	12.76	534338	14.25

Shaded values exceed established area count limits.

LIMS Version: 5.204A

Upper Limit = + 100 percent of internal standard area.
Lower Limit = - 50 percent of internal standard area.

8B

Semi-Volatile Internal Standard Area Summary

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Date Analyzed: 7/18/2005
Time Analyzed: 10:39
Reported on: Monday, July 25, 2005

Instrument ID: HPSV2
Lab File ID: P3016

	IS1		IS2		IS3		IS4		IS5		IS6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
12 Hour STD	273791	6.03	878101	7.29	514830	8.87	938113	10.16	1070527	12.42	773955	13.84
Upper Limit	547582	6.53	1756202	7.79	1029660	9.37	1876226	10.7	2141054	12.9	1547910	14.3
Lower Limit	136895.5	5.53	439050.5	6.79	257415	8.37	469056.5	9.66	535263.5	11.9	386977.5	13.3
Lab Sample ID												
0506217-10	355417	6.04	1050362	7.30	795281	8.88	1559061	10.18	497082	12.43	90502	13.84

Shaded values exceed established area count limits.

LIMS Version: 5.204A

Upper Limit = + 100 percent of internal standard area.
Lower Limit = - 50 percent of internal standard area.

Supporting Raw Data

GCMS Semivolatile Instrument Run Log
Paragon Analytics, Inc.

Sequence Name: D:\HPCHEM\1\SEQUENCE\061705S.S
Comment: HPSV-1 5973 MSDMS Serial Number US80210987
Data Path: D:\HPCHEM\1\DATA\061705\
Operator:JOE K SOP 506 Rev. 12 Analysis Date: June 17, 2005 4K
IS Amount and ID 40 µl/ml STD50426-5
Logbook Number: 2309

Line	Type	Vial	DataFile	Method	Sample Name	Dil.	RA?	Comment			
1	DFTPP	1	N5964	DFTPP	50 ppm dftpp+PC	1	NO	STD50321-3			10:15
2	Sample	2	N5965	061705S1	ICALSVSTD060			STD50616-4			
3	Sample	3	N5966	061705S1	ICALSVSTD001			STD50518-2			
4	Sample	4	N5967	061705S1	ICALSVSTD005			STD50518-3			
5	Sample	5	N5968	061705S1	ICALSVSTD010			STD50518-4			
6	Sample	6	N5969	061705S1	ICALSVSTD020			STD50518-5			
7	Sample	7	N5970	061705S1	ICALSVSTD040			STD50518-6			
8	Sample	8	N5971	061705S1	ICALSVSTD080			STD50518-8			
9	Sample	9	N5972	061705S1	ICALSVSTD100			STD50518-9			
10	Sample	10	N5973	061705S1	ICALSVSTD120			STD50518-10			
11	Sample	11	N5974	061705S1	ICVSVSTD050			STD50615-4			
12	Sample	12	N5975	061705S1	EX050601-5MB						
13	Sample	13	N5976	061705S1	EX050601-5LCS						
14	Sample	14	N5977	061705S1	EX050601-5LCSD						
15	Sample	15	N5978	061705S1	0505220-2						
16	Sample	16	N5979	061705S1	0505220-2MS						
17	Sample	17	N5980	061705S1	0505220-2MSD						
18	Sample	18	N5981	061705S1	0505230-3						
19	Sample	19	N5982	061705S1	0505230-2						
20	Sample	20	N5983	061705S1	0505230-1		YES	IS6↓		N5988	
21	Sample	21	N5984	061705S1	0505230-4			IS6↓	SUM8↑	N5989	18:59
22	Sample	22	N5985	061705S1	INSTRUMENT BLANK			IS6↓			

44

GCMS Semivolatile Instrument Run Log
Paragon Analytics, Inc.

Sequence Name: D:\HPCHEM\1\SEQUENCE\070105S.S
Comment: HPSV-1 5973 MSDMS Serial Number US80210987
Data Path: D:\HPCHEM\1\DATA\070105\
Operator:JOE K SOP 506 Rev. 12 Analysis Date: July 1, 2005 JK
IS Amount and ID 40 pl/ml STD50426-5
Logbook Number: 2309

Line	Type	Vial	DataFile	Method	Sample Name	Dil.	RA?	Comment
1	DFTPP	1	N6062	DFTPP	50 ppm dftpp+PC	1	NO	STD50321-3 11:09
2	Sample	2	N6063	061705S1	CCVSVSTD060			STD50629-3
3	Sample	3	N6064	061705S1	EX050628-8MB			
4	Sample	4	N6065	061705S1	EX050628-8LCS			
5	Sample	5	N6066	061705S1	EX050628-8LCSD			
6	Sample	6	N6067	061705S1	0506201-15			
7	Sample	7	N6068	061705S1	0506205-1 *			
8	Sample	8	N6069	061705S1	0506205-2 *			
9	Sample	9	N6070	061705S1	0506205-3 *			
10	Sample	10	N6071	061705S1	0506205-4 *			
11	Sample	11	N6072	061705S1	0506218-17			
12	Sample	12	N6073	061705S1	0506224-2			
13	Sample	13	N6074	061705S1	0506224-7			
14	Sample	14	N6075	061705S1	0506217-11			IS 5+6 Surr 7 N6100
15	Sample	15	N6076	061705S1	0506217-11 20X	20X		
16	Sample	16	N6077 V_f=2mL	061705S1	0506217-10 20X	20X		IS 6
17	Sample	17	N6078	061705S1	0506217-10 5X	5X	YES	IS 4 5+6 Surr ~~7&8~~ D.O. P3018 17:51
18	Sample	18	N6079	061705S1	INSTRUMENT BLANK	1		IS 5+6 Dyl 1/20 1ar
19								

*SV050701-4 (PLUS ASSOCIATED QC)
EVERYTHING ELSE IS UNDER SV050701-1

45

GCMS Semivolatile Instrument Run Log
Paragon Analytics, Inc.

Sequence Name: C:\HPCHEM\1\SEQUENCE\071205.S
Comment: HPSV-2 5973 MSD Serial #: US93112105
Data Path: C:\HPCHEM\1\DATA\071205\
Operator:JK SOP506 Rev.13 Analysis Date: July 12, 2005 JK
IS Amount and ID 40 µl/ml STD50426-5
Logbook Number: 2321

Line	Type	Vial	DataFile	Method	Sample Name	Dil.	RA?	Comment
1	DFTPP	1	P2879	DFTPP10	50ppm dftpp + p	1	No	STD50821-3 9:14
2	Sample	2	P2880	071205S2	ICALSVSTD060			STD50712-9
3	Sample	3	P2881	071205S2	ICALSVSTD001			STD50712-1
4	Sample	4	P2882	071205S2	ICALSVSTD005			STD50712-3
5	Sample	5	P2883	071205S2	ICALSVSTD010			STD50712-4
6	Sample	6	P2884	071205S2	ICALSVSTD020			STD50712-7
7	Sample	7	P2885	071205S2	ICALSVSTD040			STD50712-8
8	Sample	8	P2886	071205S2	ICALSVSTD080			STD50712-10
9	Sample	9	P2887	071205S2	ICALSVSTD100			STD50712-11
10	Sample	10	P2888	071205S2	ICALSVSTD120			STD50712-12
11	Sample	11	P2889	071205S2	ICVSVSTD050			STD50712-13
12	Sample	12	P2890	071205S2	EX050707-3MB			re-extraction 255-1
13	Sample	13	P2891	071205S2	EX050707-3LCS			confirm
14	Sample	14	P2892	071205S2	EX050707-3LCSD			
15	Sample	15	P2893 V_f=2ml	071205S2	0506255-1 T			IS 5+6↓ ~~Surr 1,8↓~~ Surr 1,8↓,8↑ Hyd 7/15/05
16	Sample	16	P2894	071205S2	0507015-8			IS 6↓ P2875
17	Sample	17	P2895	071205S2	0507003-4			IS 6↓ ~~Surr 8↑~~ Hyd 7/15/05 P2876
18	Sample	18	P2896	071205S2	0507015-7			IS 6↓ Surr 8↑ P2877
19	Sample	19	P2897	071205S2	0506122-28			IS 6↓ Surr 8↑ P2792
20	Sample	GPC'd 20	P2898 V_f=1ml	071205S2	0506203-7			IS 6↓ P2793
21	Sample	21	P2899 V_f=1ml	071205S2	0506203-5			IS 6↓ Surr 8↑ P2795
22	Sample	22	P2900 ↓	071205S2	0506122-27 T			IS 6↓ Surr 1↓,8↑ P2797
23	Sample	23	P2901 V_f=1ml	071205S2	0506152-14			IS 5+6↓ Surr 8↑ P2794
24	Sample	24	P2902 ↓	071205S2	0506122-2			IS 5+6↓ Surr 8↑ P2796 19:17
25	Sample	25	P2903	071205S2	INSTRUMENT BLANK			IS 6↓

46

GCMS Semivolatile Instrument Run Log
Paragon Analytics, Inc.

Sequence Name: C:\HPCHEM\1\SEQUENCE\071805.S
Comment: HPSV-2 5973 MSD Serial #: US93112105
Data Path: C:\HPCHEM\1\DATA\071805\
Operator:JK SOP506 Rev.13 Analysis Date: July 18, 2005
IS Amount and ID 40 µg/mL ST050426-5
Logbook Number: 2321

Line	Type	Vial	DataFile	Method	Sample Name	Dil.	RA?	Comment	
1	DFTPP	1	P3015	DFTPP10	50ppm dftpp + p	1	NO	ST050321-4	10:34
2	Sample	2	P3016	071205S2	CCVSVSTD060	↓	↓	ST050712-9	
3	Sample	3	P3017	071205S2	INSTRUMENT BLANK	↓	↓	OK	
4	Sample	4	P3018 V_f=2mL	071205S2	0506217-10 5X	5X	↓	IS 546↓ ~~Sum 46 81↑~~ Sum 8 D.O. N6079	
5	Sample	5	P3019	071205S2	0506201-12	1	↓	Jyll 7/15/05 P2981	
6	Sample	6	P3020	071205S2	0506202-9	↓	↓	P2982	
7	Sample	7	P3021	071205S2	0506201-9	↓	↓	P2983	
8	Sample	8	P3022	071205S2	0506202-6	↓	↓	P2984	
9	Sample	9	P3023	071205S2	0506202-8	↓	↓	P2985	
10	Sample	10	P3024	071205S2	0506201-11	↓	↓	P2986	
11	Sample	11	P3025	071205S2	0506202-2	↓	↓	P2987	
12	Sample	12	P3026	071205S2	0506202-3	↓	↓	P2988	
13	Sample	13	P3027	071205S2	0506201-6	↓	YES	IS3↑ RT with wrong IS	P2989
14	Sample	14	P3028	071205S2	0506201-6	↓	NO	IS6↓	P2989
15	Sample	15	P3029	071205S2	0506202-11	↓	↓	IS6↓ Sum8↑	P2990 18:22

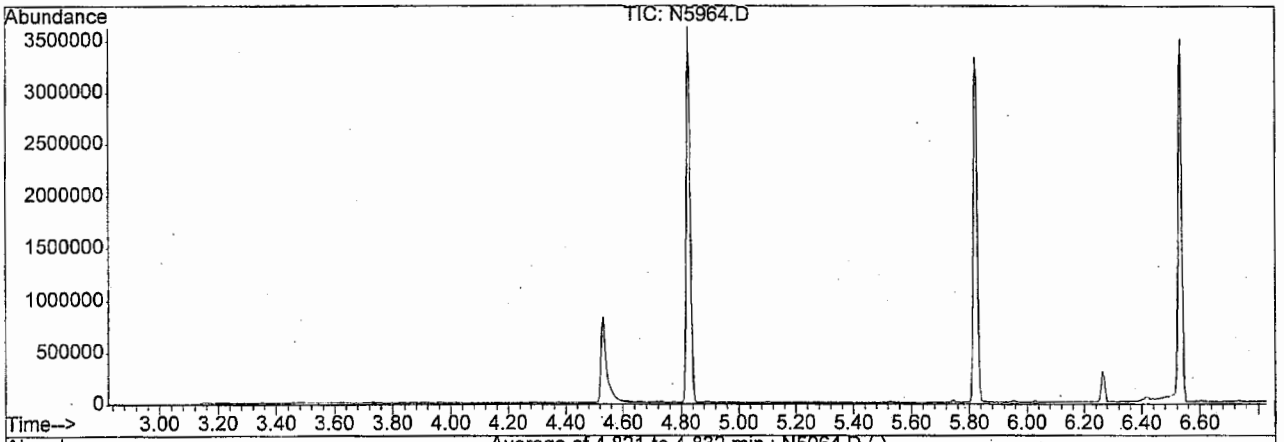
Last Modified: Mon Jul 18 17:37:22 2005 Page:422

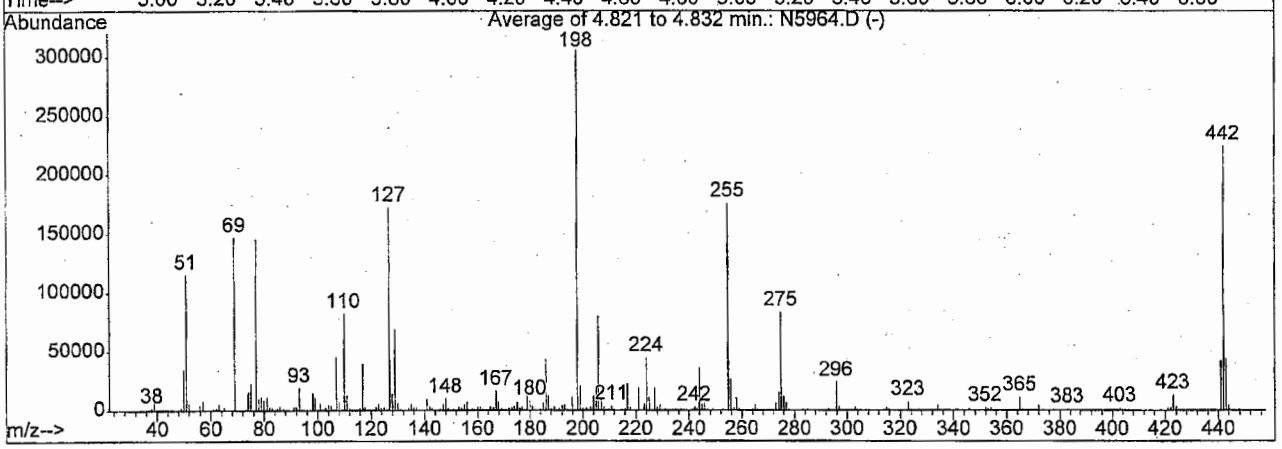
Calibration Raw Data

DFTPP

Data File : D:\HPCHEM\1\DATA\061705\N5964.D
Acq On : 17 Jun 2005 10:15 am
Sample : 50 ppm dftpp+PCP+DDT+benzidine
Misc : ST050321-2
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP

Vial: 1
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00





AutoFind: Scans 418, 419, 420; Background Corrected with Scan 413

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.8	115584	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	48.0	146819	PASS
70	69	0.00	2	0.7	957	PASS
127	198	40	60	56.4	172565	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	305920	PASS
199	198	5	9	6.8	20852	PASS
275	198	10	30	27.2	83328	PASS
365	198	1	100	3.6	11064	PASS
441	443	0.01	100	95.0	41821	PASS
442	198	40	100	73.4	224413	PASS
443	442	17	23	19.6	44018	PASS

N5964.D DFTPP.M Fri Jun 17 10:24:04 2005

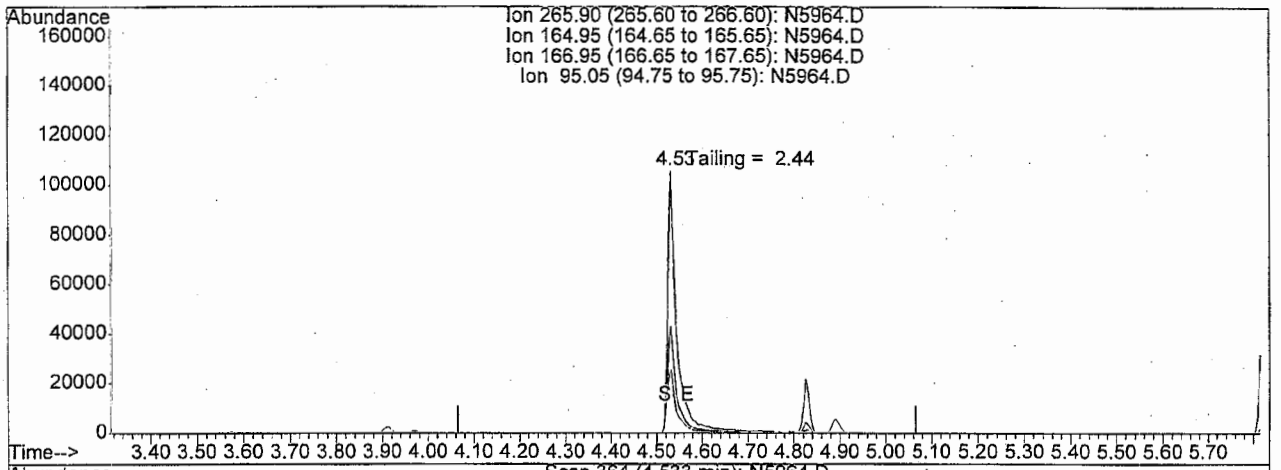
JK 6-20-05

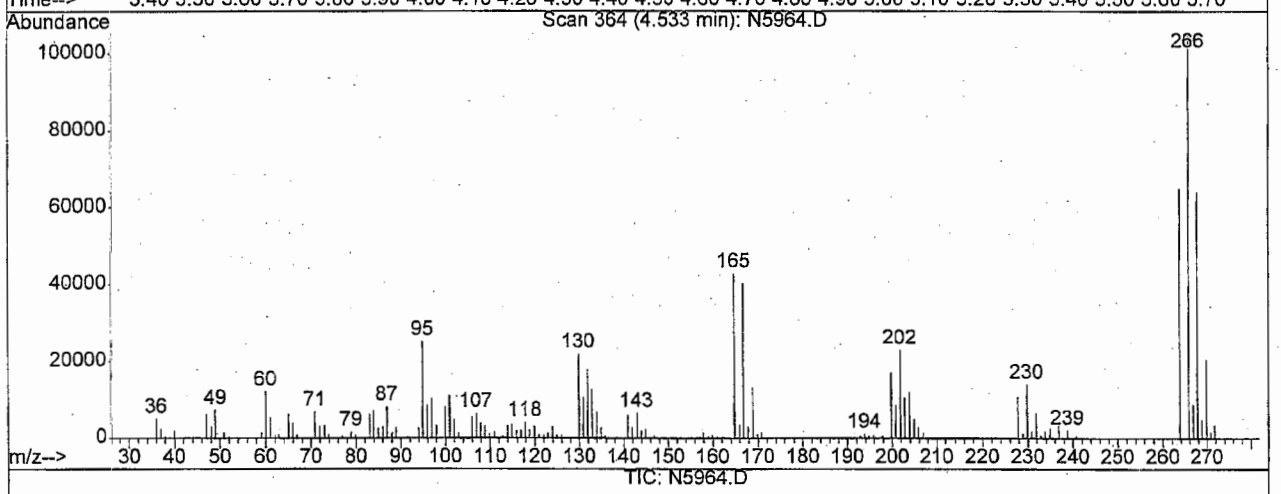
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5964.D
Acq On : 17 Jun 2005 10:15 am
Sample : 50 ppm dftpp+PCP+DDT+benzidine
Misc : ST050321-2
MS Integration Params: rteint.p
Quant Time: Jun 17 10:49 2005

Vial: 1
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Fri Jun 17 10:49:34 2005
Response via : Single Level Calibration





(1) Pentachlorophenol

4.53min 53.70

response 152880

Ion	Exp%	Act%
265.90	100	100
164.95	0.00	41.20#
166.95	0.00	39.01#
95.05	0.00	24.38#

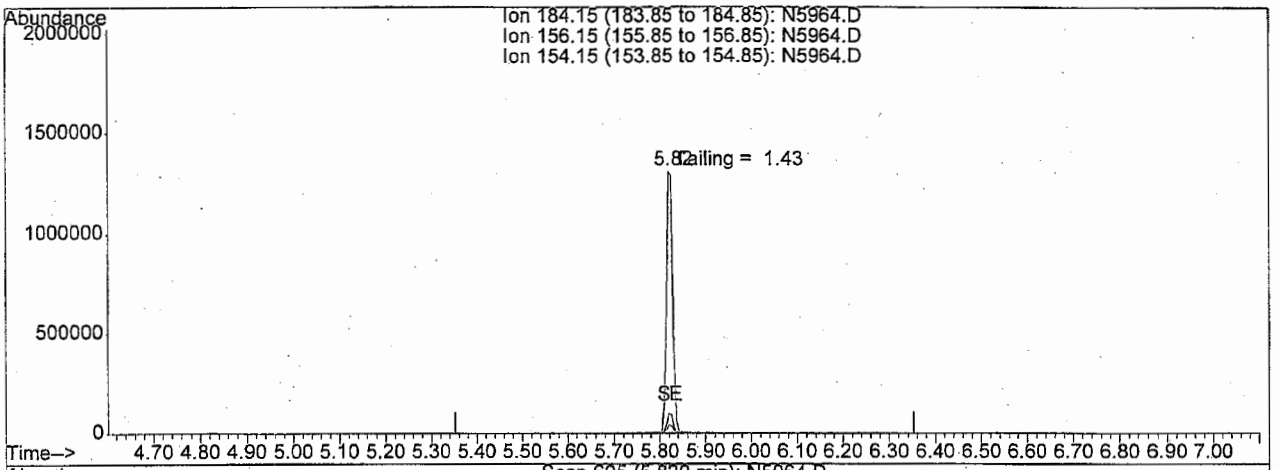
SK 6-20-05

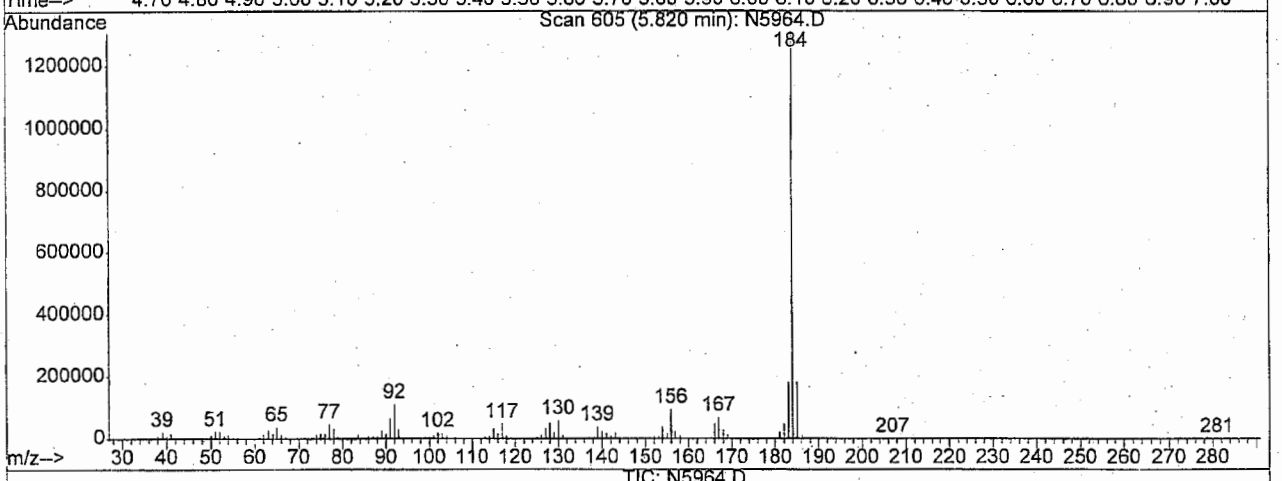
N5964.D DFTPP.M Fri Jun 17 11:36:57 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5964.D Vial: 1
Acq On : 17 Jun 2005 10:15 am Operator: JOE K SOP
Sample : 50 ppm dftpp+PCP+DDT+benzidine Inst : GC/MS Ins
Misc : ST050321-2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 17 10:49 2005 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Fri Jun 17 10:49:34 2005
Response via : Single Level Calibration





(3) Benzidine

5.82min 43.25

response 1250107

Ion	Exp%	Act%
184.15	100	100
156.15	0.00	7.07#
154.15	0.00	3.04#
0.00	0.00	0.00

JK 6-20-05

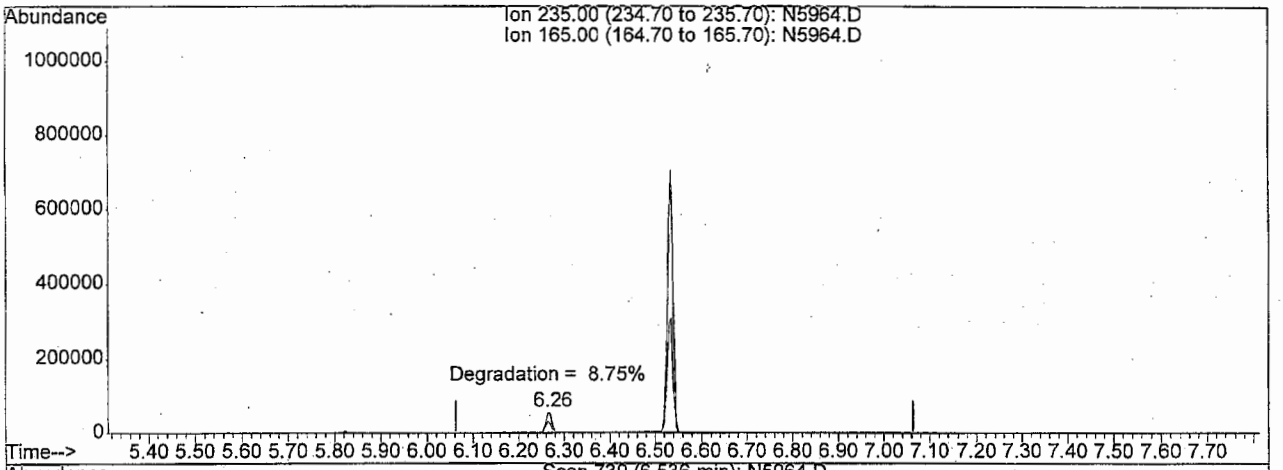
N5964.D DFTPP.M Fri Jun 17 11:37:05 2005

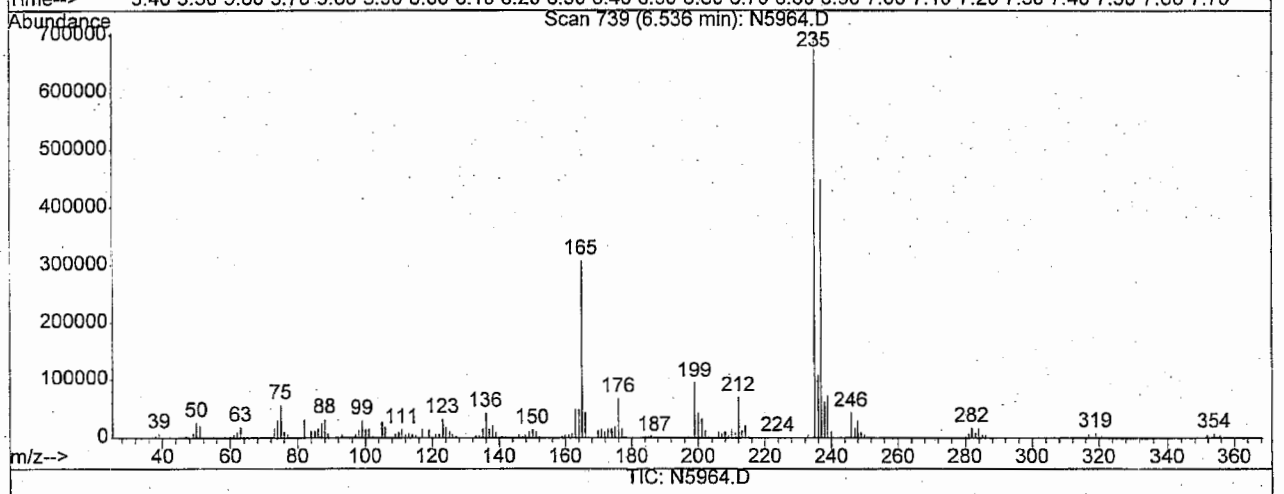
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5964.D
Acq On : 17 Jun 2005 10:15 am
Sample : 50 ppm dftpp+PCP+DDT+benzidine
Misc : ST050321-2
MS Integration Params: rteint.p
Quant Time: Jun 17 10:49 2005

Vial: 1
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Fri Jun 17 10:49:34 2005
Response via : Single Level Calibration





(4) DDT

6.54min 43.2950

response 597523

Ion	Exp%	Act%
235.00	100	100
165.00	0.00	46.54#
0.00	0.00	0.00
0.00	0.00	0.00

JK 6-20-05

N5964.D DFTPP.M Fri Jun 17 11:37:14 2005

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5965.D
Acq On : 17 Jun 2005 10:31 am
Sample : ICALSVSTD060
Misc : ST050616-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:38 2005

Vial: 2
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 10:51:58 2005
Response via : Initial Calibration
DataAcq Meth : 061505S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	471017	40.00	ng/uL	0.00
23) Naphthalene-d8	7.57	136	1645537	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.13	164	895500	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.42	188	1366670	40.00	ng/uL	0.00
79) Chrysene-d12	12.81	240	1306371	40.00	ng/uL	0.00
90) Perylene-d12	14.33	264	740116	40.00	ng/uL	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.82	112	951702	60.00	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 80.00%			
5) 2-Chlorophenol-d4	6.11	132	1082804	60.00	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 80.00%			
7) Phenol-d5	5.92	99	1016218	60.00	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 80.00%			
14) 1,2-Dichlorobenzene-d4	6.50	152	689512	60.00	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 120.00%#			
24) Nitrobenzene-d5	6.89	82	953145	60.00	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 120.00%#			
45) 2-Fluorobiphenyl	8.52	172	2127475	60.00	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 120.00%#			
67) 2,4,6-Tribromophenol	9.81	330	244609	60.00	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 80.00%			
82) p-Terphenyl-d14	11.77	244	2318355	60.00	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 120.00%#			

Target Compounds						Qvalue
2) Pyridine	2.86	79	902548m	66.78	ng/uL	
3) n-Nitrosodimethylamine	2.80	74	441493m	64.05	ng/uL	
6) Aniline	6.00	93	1112177	60.00	ng/uL	100
8) Phenol	5.94	94	935289	60.00	ng/uL	100
9) Tetramethylurea	6.07	72	1329018	60.00	ng/uL	100
10) Bis(2-chloroethyl)ether	6.05	93	713272	60.00	ng/uL	100
11) 2-Chlorophenol	6.12	128	971366	60.00	ng/uL	100
12) 1,3-Dichlorobenzene	6.28	146	1036697	60.00	ng/uL	100
13) 1,4-Dichlorobenzene	6.35	146	1101101	60.00	ng/ul	100
15) 1,2-Dichlorobenzene	6.51	146	1043157	60.00	ng/uL	100
16) Benzyl Alcohol	6.47	108	566079	60.00	ng/uL	100
17) Bis(2-chloroisopropyl)ethe	6.59	45	648243	60.00	ng/uL	100
18) 2-Methylphenol	6.57	107	713695	60.00	ng/uL	100
19) n-Nitroso-di-n-propylamine	6.72	70	628342	60.00	ng/uL	100
20) 3+4-Methylphenol	6.72	108	1044500	60.00	ng/uL	100
21) N-Methylaniline	6.72	106	1605567	60.00	ng/uL	100

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5965.D
Acq On : 17 Jun 2005 10:31 am
Sample : ICALSVSTD060
Misc : ST050616-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:38 2005

Vial: 2
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 10:51:58 2005
Response via : Initial Calibration
DataAcq Meth : 061505S1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.85	117	389208	60.00 ng/uL	100
25) N,N-Dimethylaniline	6.90	120	1603868	60.00 ng/uL	100
26) Nitrobenzene	6.91	77	1201494	60.00 ng/uL	100
27) Isophorone	7.13	82	1376408	60.00 ng/uL	100
28) N-Ethylaniline	7.15	106	1762105	60.00 ng/uL	100
29) 2-Nitrophenol	7.21	139	476682	60.00 ng/uL	100
30) 2,4-Dimethylphenol	7.22	107	876485	60.00 ng/uL	100
31) Bis(2-chloroethoxy)methane	7.31	93	875731	60.00 ng/uL	100
32) 2,4-Dichlorophenol	7.43	162	748308	60.00 ng/uL	100
33) Benzoic acid	7.34	105	296984	60.00 ng/uL	100
34) 1,2,4-Trichlorobenzene	7.51	180	812680	60.00 ng/uL	100
35) Naphthalene	7.59	128	2672566	60.00 ng/uL	100
36) 4-Chloroaniline	7.63	127	1042499	60.00 ng/uL	100
37) Hexachlorobutadiene	7.68	225	466984	60.00 ng/uL	100
38) 4-Chloro-3-methylphenol	8.04	107	692921	60.00 ng/uL	100
39) 2-Methylnaphthalene	8.21	142	1750824	60.00 ng/uL	100
41) 1-Methylnaphthalene	8.30	142	1739375	60.00 ng/uL	100
42) Hexachlorocyclopentadiene	8.34	237	289665	60.00 ng/uL	100
43) 2,4,6-Trichlorophenol	8.44	196	464974	60.00 ng/uL	100
44) 2,4,5-Trichlorophenol	8.48	196	523270	60.00 ng/uL	100
46) 2-Chloronaphthalene	8.65	162	1667122	60.00 ng/uL	100
47) 2-Nitroaniline	8.73	65	358234	60.00 ng/uL	100
48) 1,4-Dinitrobenzene	8.84	168	256018	60.00 ng/uL	100
49) Dimethylphthalate	8.85	163	1687424	60.00 ng/uL	100
50) 1,3-Dinitrobenzene	8.90	168	273736	60.00 ng/uL	100
51) 2,6-Dinitrotoluene	8.92	165	399413	60.00 ng/uL	100
52) 1,2-Dinitrobenzene	8.98	168	178812	60.00 ng/uL	100
53) Acenaphthylene	9.02	152	2553301	60.00 ng/uL	100
54) 3-Nitroaniline	9.08	138	389580	60.00 ng/uL	100
55) Acenaphthene	9.16	154	1687483	60.00 ng/uL	100
56) 2,4-Dinitrophenol	9.17	184	196704	60.00 ng/uL	100
57) 4-Nitrophenol	9.19	109	189451	60.00 ng/uL	100
58) Dibenzofuran	9.31	168	2150691	60.00 ng/uL	100
59) 2,4-Dinitrotoluene	9.27	165	493129	60.00 ng/uL	100
60) 2,3,5,6-Tetrachlorophenol	9.36	232	336842	60.00 ng/uL	100
61) 2,3,4,6-Tetrachlorophenol	9.40	232	403914	60.00 ng/uL	100
62) Diethylphthalate	9.44	149	1692762	60.00 ng/uL	100
63) Fluorene	9.61	166	1773789	60.00 ng/uL	100
64) 4-Chlorophenyl phenyl ethe	9.57	204	805595	60.00 ng/uL	100
65) 4-Nitroaniline	9.61	138	447818	60.00 ng/uL	100
66) Azobenzene	9.71	77	1372648	60.00 ng/uL	100

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5965.D
Acq On : 17 Jun 2005 10:31 am
Sample : ICALSVSTD060
Misc : ST050616-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:38 2005

Vial: 2
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 10:51:58 2005
Response via : Initial Calibration
DataAcq Meth : 061505S1

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.63	198	280121	60.00	ng/uL	100
70)	n-Nitrosodiphenylamine	9.68	169	1474960	60.00	ng/uL	100
71)	4-Bromophenyl phenyl ether	10.00	248	489193	60.00	ng/uL	100
72)	Hexachlorobenzene	10.08	284	539014	60.00	ng/uL	100
73)	Pentachlorophenol	10.24	266	204640m	63.06	ng/uL	
74)	Phenanthrene	10.44	178	2410461	60.00	ng/uL	100
75)	Anthracene	10.48	178	2504213	60.00	ng/uL	100
76)	Carbazole	10.60	167	2253736	60.00	ng/uL	100
77)	Di-n-butylphthalate	10.82	149	2953073	60.00	ng/uL	100
78)	Fluoranthene	11.48	202	2664267	60.00	ng/uL	100
80)	Benzidine	11.56	184	1350319	60.00	ng/uL	100
81)	Pyrene	11.69	202	2798738	60.00	ng/uL	100
83)	Butylbenzylphthalate	12.18	149	1321047	60.00	ng/uL	100
84)	Bis(2-ethylhexyl) adipate	12.19	129	1169813	60.00	ng/uL	100
85)	Benzo[a]anthracene	12.80	228	2491089	60.00	ng/uL	100
86)	3,3'-Dichlorobenzidine	12.73	252	788209	60.00	ng/uL	100
87)	Chrysene	12.84	228	2254473	60.00	ng/uL	100
88)	Bis(2-ethylhexyl)phthalate	12.67	149	1638101	60.00	ng/uL	100
89)	Di-n-octylphthalate	13.27	149	2465771	60.00	ng/uL	100
91)	Benzo[b]fluoranthene	13.87	252	1924648	60.00	ng/uL	100
92)	Benzo[k]fluoranthene	13.90	252	1907943	60.00	ng/uL	100
93)	Benzo[a]pyrene	14.26	252	1615396	60.00	ng/uL	100
94)	Indeno(1,2,3-c,d)pyrene	15.82	276	1204056	60.00	ng/uL	100
95)	Dibenzo[a,h]anthracene	15.82	278	1038658	60.00	ng/uL	100
96)	Benzo[g,h,i]perylene	16.28	276	815553	60.00	ng/uL	100

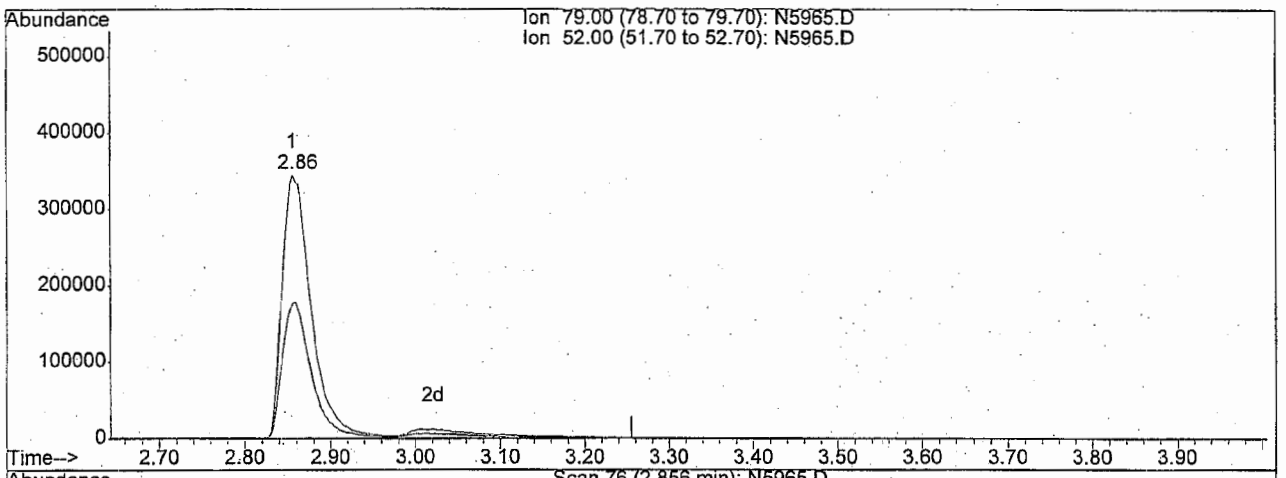
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5965.D
Acq On : 17 Jun 2005 10:31 am
Sample : ICALSVSTD060
Misc : ST050616-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 10:52 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:36:26 2005
Response via : Multiple Level Calibration



(2) Pyridine (T)

2.86min 60.00ng/uL

response 810933

Ion	Exp%	Act%
79.00	100	100
52.00	51.10	51.12
0.00	0.00	0.00
0.00	0.00	0.00

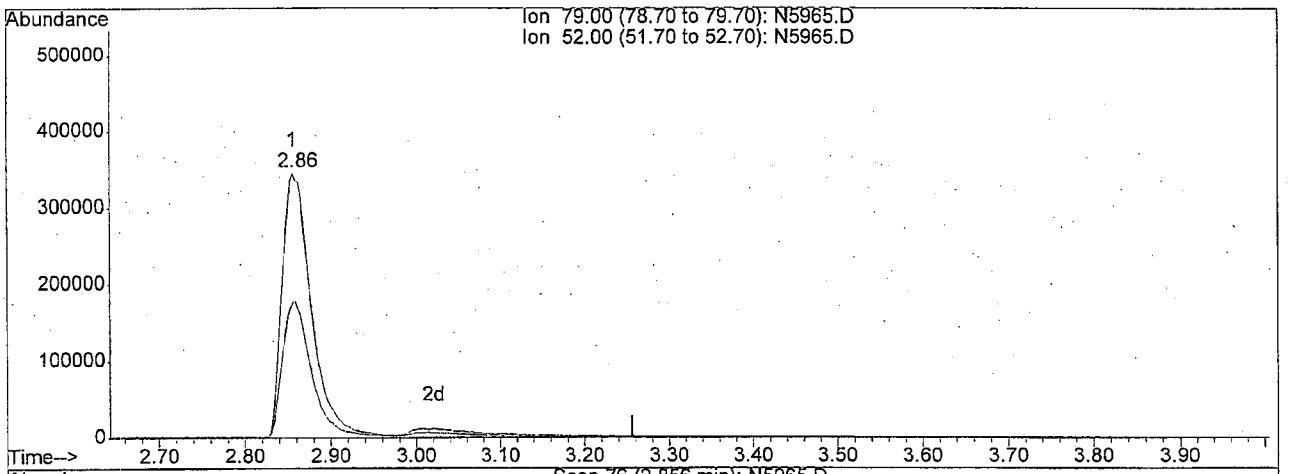
N5965.D 061705S1.M Fri Jun 17 11:37:42 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5965.D
Acq On : 17 Jun 2005 10:31 am
Sample : ICALSVSTD060
Misc : ST050616-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:37 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:36:26 2005
Response via : Multiple Level Calibration



(2) Pyridine (T)

2.86min 66.78ng/uL m

response 902548

Ion	Exp%	Act%
79.00	100	100
52.00	51.10	45.93
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JH *date* 6-20-05

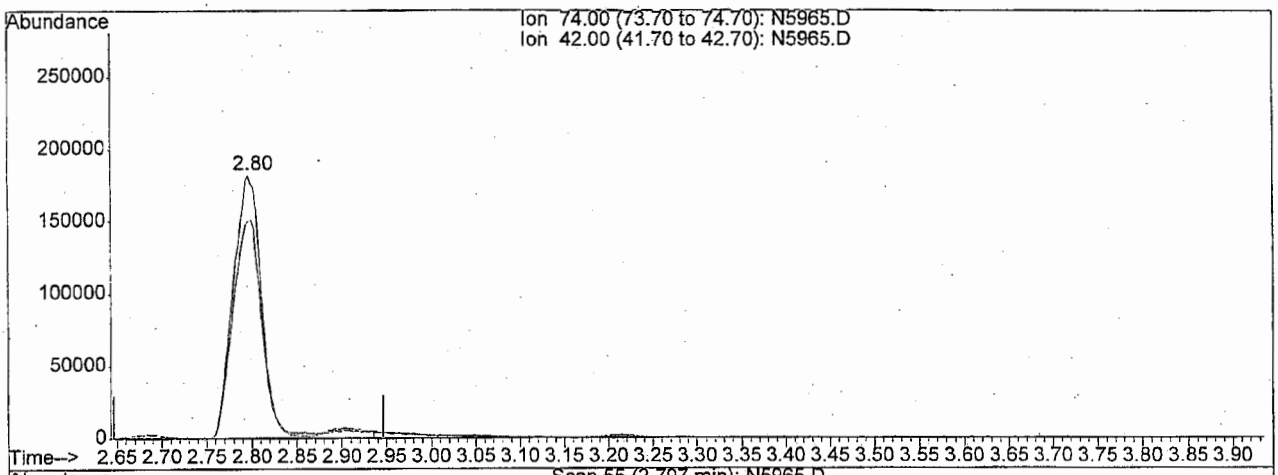
N5965.D 061705S1.M Fri Jun 17 11:37:46 2005

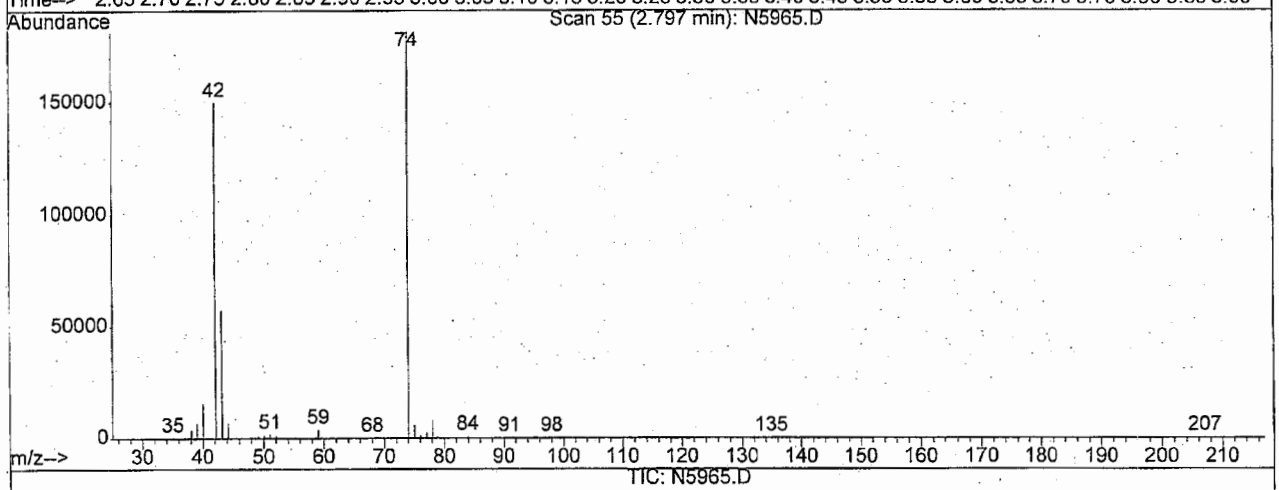
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5965.D
Acq On : 17 Jun 2005 10:31 am
Sample : ICALSVSTD060
Misc : ST050616-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:37 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:36:26 2005
Response via : Multiple Level Calibration





(3) n-Nitrosodimethylamine (T)

2.80min 60.00ng/uL

response 413570

Ion	Exp%	Act%
74.00	100	100
42.00	80.70	80.73
0.00	0.00	0.00
0.00	0.00	0.00

Before

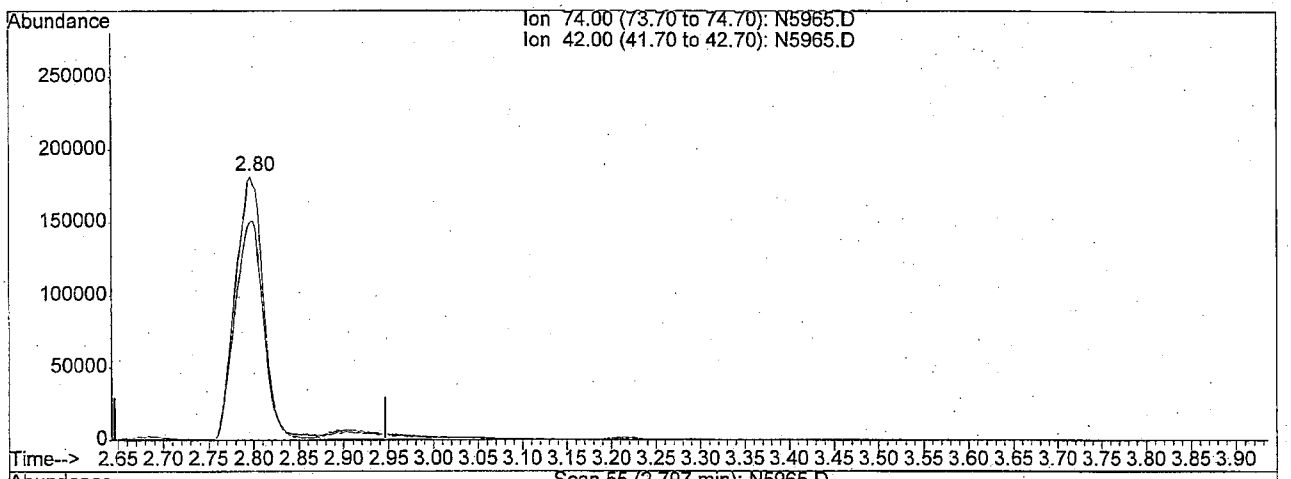
N5965.D 061705S1.M Fri Jun 17 11:37:54 2005

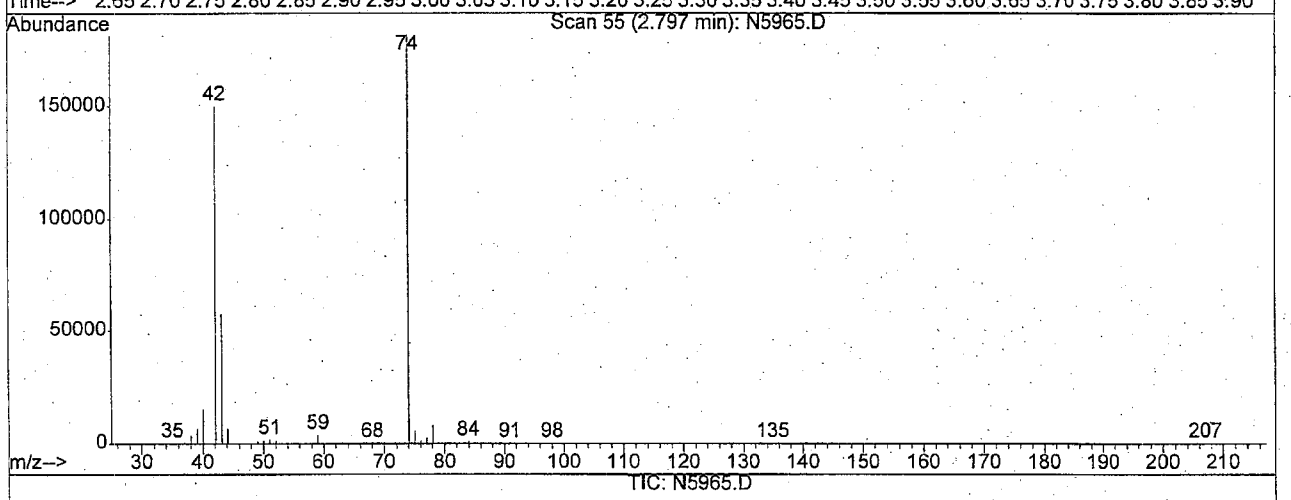
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5965.D
Acq On : 17 Jun 2005 10:31 am
Sample : ICALSVSTD060
Misc : ST050616-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:37 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:36:26 2005
Response via : Multiple Level Calibration





(3) n-Nitrosodimethylamine (T)

2.80min 64.05ng/uL m

response 441493

Ion	Exp%	Act%
74.00	100	100
42.00	80.70	75.62
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JM *date* 6-20-05

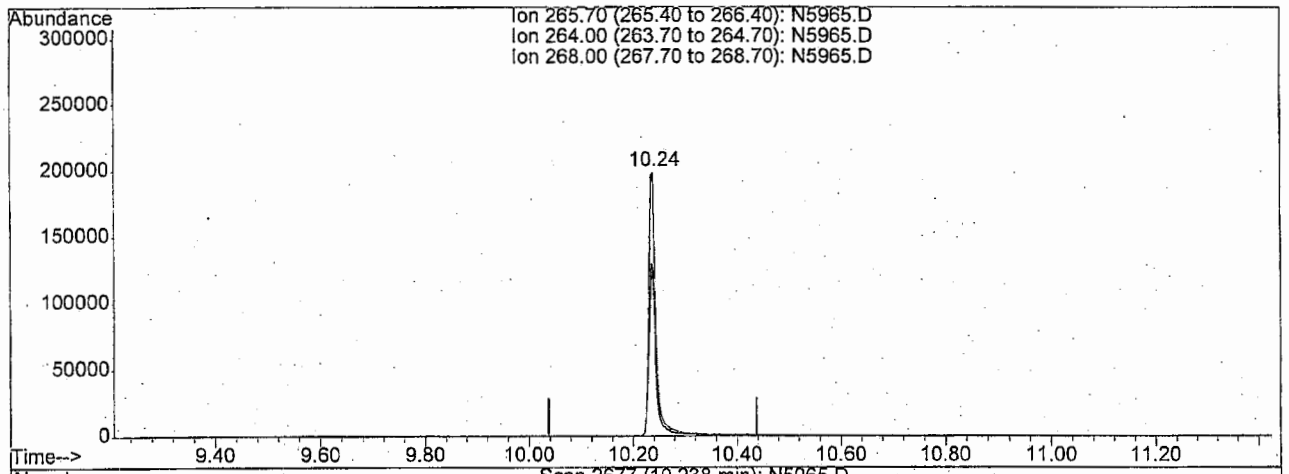
N5965.D 061705S1.M Fri Jun 17 11:37:58 2005

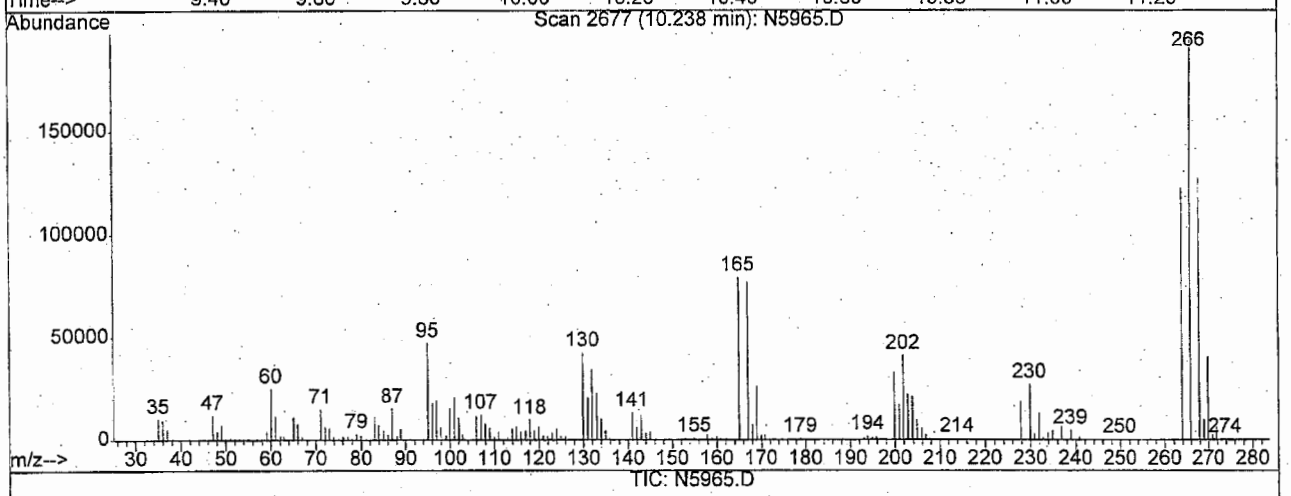
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5965.D
Acq On : 17 Jun 2005 10:31 am
Sample : ICALSVSTD060
Misc : ST050616-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:37 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:36:26 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.24min 60.00ng/uL

response 194695

Ion	Exp%	Act%
265.70	100	100
264.00	62.90	62.92
268.00	63.60	63.62
0.00	0.00	0.00

before

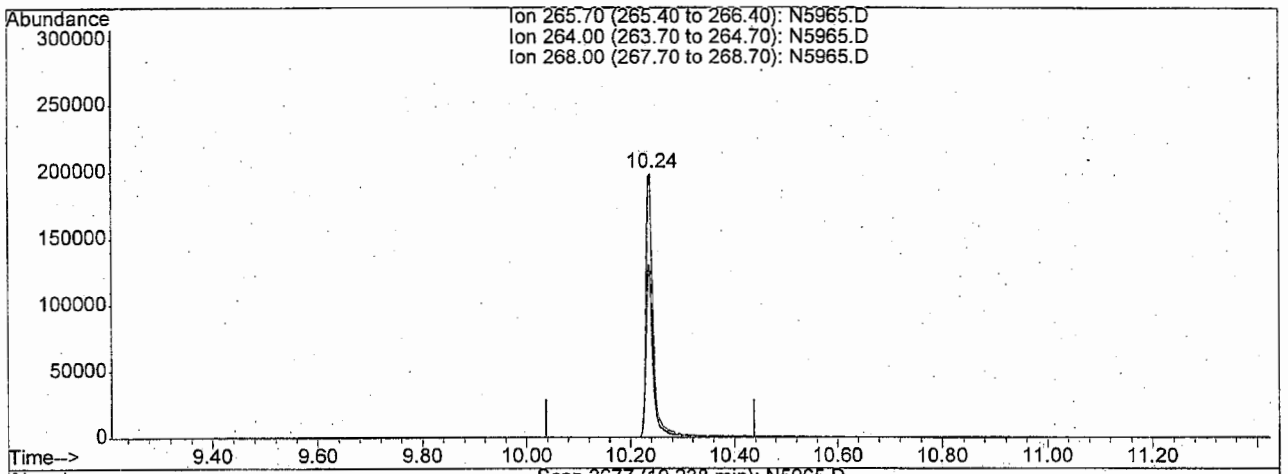
N5965.D 061705S1.M Fri Jun 17 11:38:38 2005

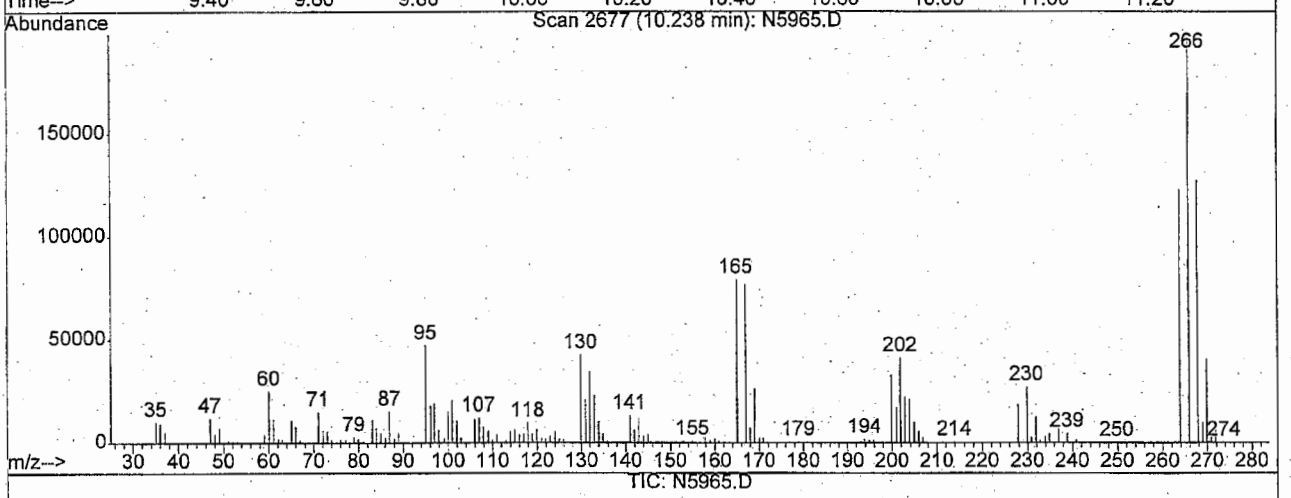
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5965.D
Acq On : 17 Jun 2005 10:31 am
Sample : ICALSVSTD060
Misc : ST050616-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:38 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:36:26 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.24min 63.06ng/uL m

response 204640

Ion	Exp%	Act%
265.70	100	100
264.00	62.90	59.86
268.00	63.60	60.53
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 6-20-05

N5965.D 061705S1.M Fri Jun 17 11:38:43 2005

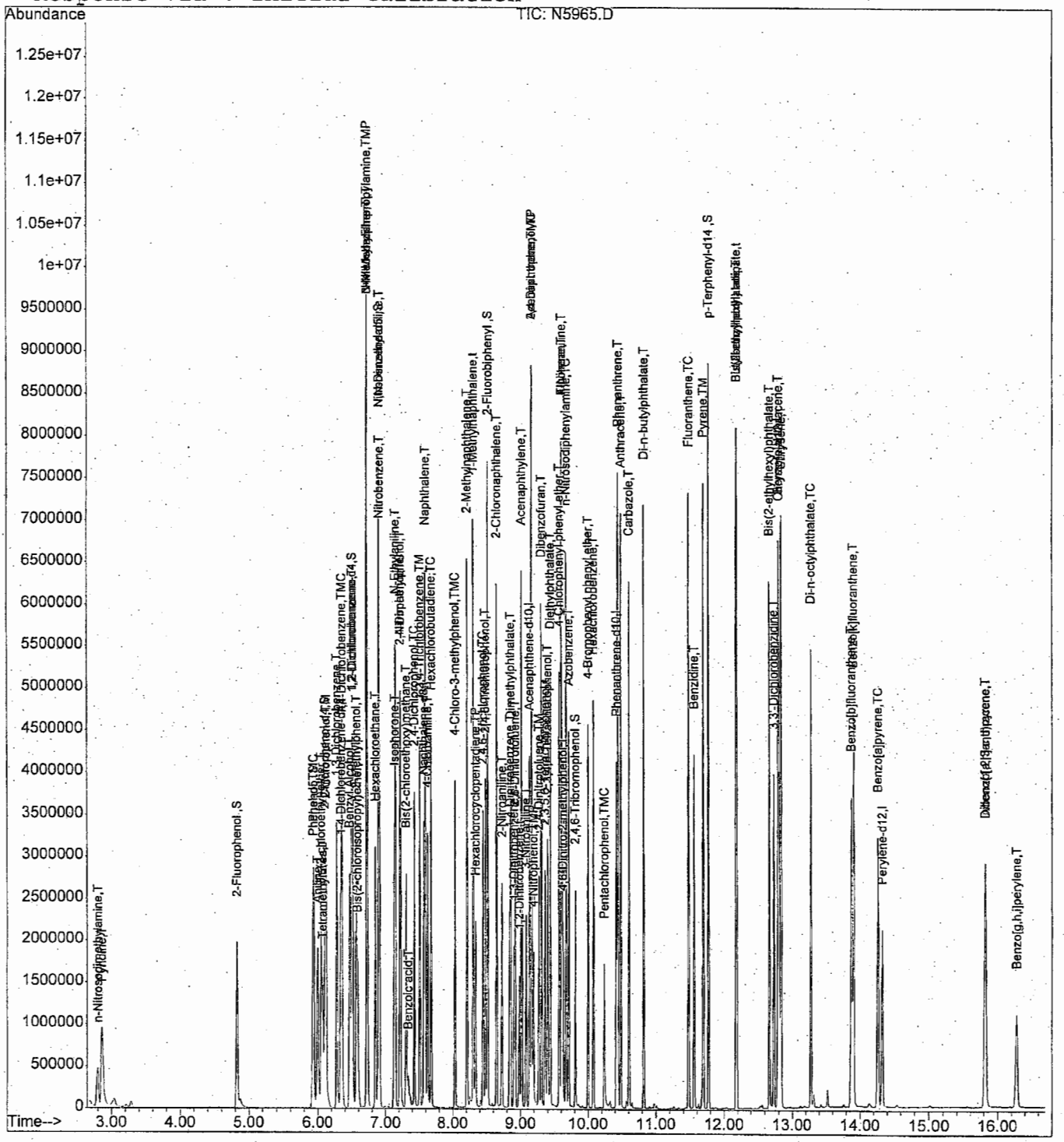
Quantitation Report

Data File : D:\HPCHEM\1\DATA\061705\N5965.D
Acq On : 17 Jun 2005 10:31 am
Sample : ICALSVSTD060
Misc : ST050616-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:38 2005

Vial: 2
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:36:26 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5966.D
Acq On : 17 Jun 2005 10:54 am
Sample : ICALSVSTD001
Misc : ST050518-2
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:14 2005

Vial: 3
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:14:45 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.33	152	443785	40.00	ng/uL	0.00
23) Naphthalene-d8	7.57	136	1579349	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.13	164	889538	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.41	188	1362787	40.00	ng/uL	0.00
79) Chrysene-d12	12.79	240	1190762	40.00	ng/uL	-0.01
90) Perylene-d12	14.32	264	781375	40.00	ng/uL	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	4.82	112	13576	0.91	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 1.21%#			
5) 2-Chlorophenol-d4	6.10	132	15075	0.89	ng/uL	-0.01
Spiked Amount 75.000	Range 33 - 110		Recovery = 1.19%#			
7) Phenol-d5	5.91	99	15241	0.96	ng/uL	-0.01
Spiked Amount 75.000	Range 15 - 104		Recovery = 1.28%#			
14) 1,2-Dichlorobenzene-d4	6.49	152	9994	0.92	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 1.84%#			
24) Nitrobenzene-d5	6.88	82	12271	0.80	ng/uL	-0.01
Spiked Amount 50.000	Range 34 - 111		Recovery = 1.60%#			
45) 2-Fluorobiphenyl	8.51	172	29674	0.84	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 1.68%#			
67) 2,4,6-Tribromophenol	9.80	330	1912	0.47	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 0.63%#			
82) p-Terphenyl-d14	11.76	244	27810	0.79	ng/uL	-0.01
Spiked Amount 50.000	Range 33 - 111		Recovery = 1.58%#			

Target Compounds						Qvalue
2) Pyridine	2.89	79	10803	0.85	ng/uL	97
3) n-Nitrosodimethylamine	2.81	74	5756	0.94	ng/uL	88
6) Aniline	5.98	93	17825	1.02	ng/uL	99
8) Phenol	5.92	94	14607	0.99	ng/uL	96
9) Tetramethylurea	6.03	72	21520	1.03	ng/uL	99
10) Bis(2-chloroethyl)ether	6.04	93	12052	1.08	ng/uL	93
11) 2-Chlorophenol	6.11	128	14471	0.95	ng/uL	97
12) 1,3-Dichlorobenzene	6.27	146	16130	0.99	ng/uL	98
13) 1,4-Dichlorobenzene	6.35	146	18114	1.05	ng/ul#	83
15) 1,2-Dichlorobenzene	6.50	146	15805	0.96	ng/uL	96
16) Benzyl Alcohol	6.46	108	8189	0.92	ng/uL	96
17) Bis(2-chloroisopropyl)ethe	6.58	45	9812	0.96	ng/uL	92
18) 2-Methylphenol	6.55	107	10705	0.96	ng/uL	95
19) n-Nitroso-di-n-propylamine	6.71	70	7714	0.78	ng/uL	93
20) 3+4-Methylphenol	6.71	108	13128	0.80	ng/uL	90
21) N-Methylaniline	6.72	106	22705	0.90	ng/uL	97

(#) = qualifier out of range (m) = manual integration
N5966.D 061705S1.M Fri Jun 17 11:39:38 2005

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5966.D
Acq On : 17 Jun 2005 10:54 am
Sample : ICALSVSTD001
Misc : ST050518-2
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:14 2005

Vial: 3
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:14:45 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22)	Hexachloroethane	6.84	117	5821	0.95 ng/uL	96
25)	N,N-Dimethylaniline	6.89	120	23328	0.91 ng/uL	96
26)	Nitrobenzene	6.90	77	16773	0.87 ng/uL#	42
27)	Isophorone	7.12	82	19075	0.87 ng/uL	100
28)	N-Ethylaniline	7.14	106	27799	0.99 ng/uL	96
29)	2-Nitrophenol	7.20	139	5492	0.72 ng/uL	92
30)	2,4-Dimethylphenol	7.21	107	11869	0.85 ng/uL	96
31)	Bis(2-chloroethoxy)methane	7.30	93	12663	0.90 ng/uL	96
32)	2,4-Dichlorophenol	7.42	162	10167	0.85 ng/uL	99
33)	Benzoic acid	7.21	105	341	N.D.	
34)	1,2,4-Trichlorobenzene	7.50	180	12604	0.97 ng/uL	99
35)	Naphthalene	7.59	128	42568	1.00 ng/uL#	86
36)	4-Chloroaniline	7.62	127	15666	0.94 ng/uL	99
37)	Hexachlorobutadiene	7.68	225	6944	0.93 ng/uL	95
38)	4-Chloro-3-methylphenol	8.03	107	9420	0.85 ng/uL	98
39)	2-Methylnaphthalene	8.20	142	26457	0.94 ng/uL	98
41)	1-Methylnaphthalene	8.29	142	26583	0.92 ng/uL	98
42)	Hexachlorocyclopentadiene	8.31	237	36	N.D.	
43)	2,4,6-Trichlorophenol	8.44	196	5122	0.67 ng/uL	98
44)	2,4,5-Trichlorophenol	8.48	196	5837	0.67 ng/uL	94
46)	2-Chloronaphthalene	8.64	162	24861	0.90 ng/uL	98
47)	2-Nitroaniline	8.72	65	4275	0.72 ng/uL	98
48)	1,4-Dinitrobenzene	8.83	168	2598	0.61 ng/uL#	52
49)	Dimethylphthalate	8.84	163	28809	1.03 ng/uL	100
50)	1,3-Dinitrobenzene	8.89	168	3335	0.74 ng/uL#	82
51)	2,6-Dinitrotoluene	8.91	165	5439	0.82 ng/uL	89
52)	1,2-Dinitrobenzene	8.97	168	2469	0.83 ng/uL#	83
53)	Acenaphthylene	9.01	152	38539	0.91 ng/uL	99
54)	3-Nitroaniline	9.07	138	5420	0.84 ng/uL#	96
55)	Acenaphthene	9.15	154	24597	0.88 ng/uL	95
56)	2,4-Dinitrophenol	0.00	184	0	N.D.	
57)	4-Nitrophenol	9.18	109	1281	0.41 ng/uL	96
58)	Dibenzofuran	9.30	168	34816	0.98 ng/uL	99
59)	2,4-Dinitrotoluene	9.26	165	6351	0.78 ng/uL	94
60)	2,3,5,6-Tetrachlorophenol	9.36	232	2173	0.39 ng/uL	94
61)	2,3,4,6-Tetrachlorophenol	9.40	232	3385	0.51 ng/uL#	93
62)	Diethylphthalate	9.43	149	28449	1.02 ng/uL	99
63)	Fluorene	9.59	166	28622	0.97 ng/uL	98
64)	4-Chlorophenyl phenyl ethe	9.57	204	12786	0.96 ng/uL	95
65)	4-Nitroaniline	9.60	138	5137	0.69 ng/uL	94
66)	Azobenzene	9.71	77	20800	0.92 ng/uL	97

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

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5966.D
Acq On : 17 Jun 2005 10:54 am
Sample : ICALSVSTD001
Misc : ST050518-2
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:14 2005

Vial: 3
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:14:45 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.62	198	874	0.19	ng/uL#	1
70)	n-Nitrosodiphenylamine	9.67	169	23546	0.96	ng/uL	97
71)	4-Bromophenyl phenyl ether	9.99	248	6941	0.85	ng/uL	90
72)	Hexachlorobenzene	10.07	284	7905	0.88	ng/uL	87
73)	Pentachlorophenol	10.24	266	60	N.D.		
74)	Phenanthrene	10.43	178	40157	1.00	ng/uL	98
75)	Anthracene	10.48	178	37149	0.89	ng/uL	100
76)	Carbazole	10.60	167	35365	0.94	ng/uL	99
77)	Di-n-butylphthalate	10.82	149	41728	0.85	ng/uL	99
78)	Fluoranthene	11.47	202	40865	0.92	ng/uL#	95
80)	Benzidine	11.55	184	15240	0.74	ng/uL	98
81)	Pyrene	11.68	202	42908	1.01	ng/uL	98
83)	Butylbenzylphthalate	12.17	149	17046	0.85	ng/uL	97
84)	Bis(2-ethylhexyl) adipate	12.18	129	14525	0.82	ng/uL#	96
85)	Benzo[a]anthracene	12.78	228	43355	1.15	ng/uL	99
86)	3,3'-Dichlorobenzidine	12.72	252	10910	0.91	ng/uL	99
87)	Chrysene	12.82	228	37962	1.11	ng/uL	99
88)	Bis(2-ethylhexyl)phthalate	12.66	149	23618	0.95	ng/uL	97
89)	Di-n-octylphthalate	13.26	149	29779	0.79	ng/uL	93
91)	Benzo[b]fluoranthene	13.85	252	30986	0.91	ng/uL	98
92)	Benzo[k]fluoranthene	13.88	252	29668	0.88	ng/uL	97
93)	Benzo[a]pyrene	14.25	252	26872	0.95	ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.80	276	22431	1.06	ng/uL	98
95)	Dibenzo[a,h]anthracene	15.79	278	17803	0.97	ng/uL	94
96)	Benzo[g,h,i]perylene	16.25	276	18483	1.29	ng/uL	98

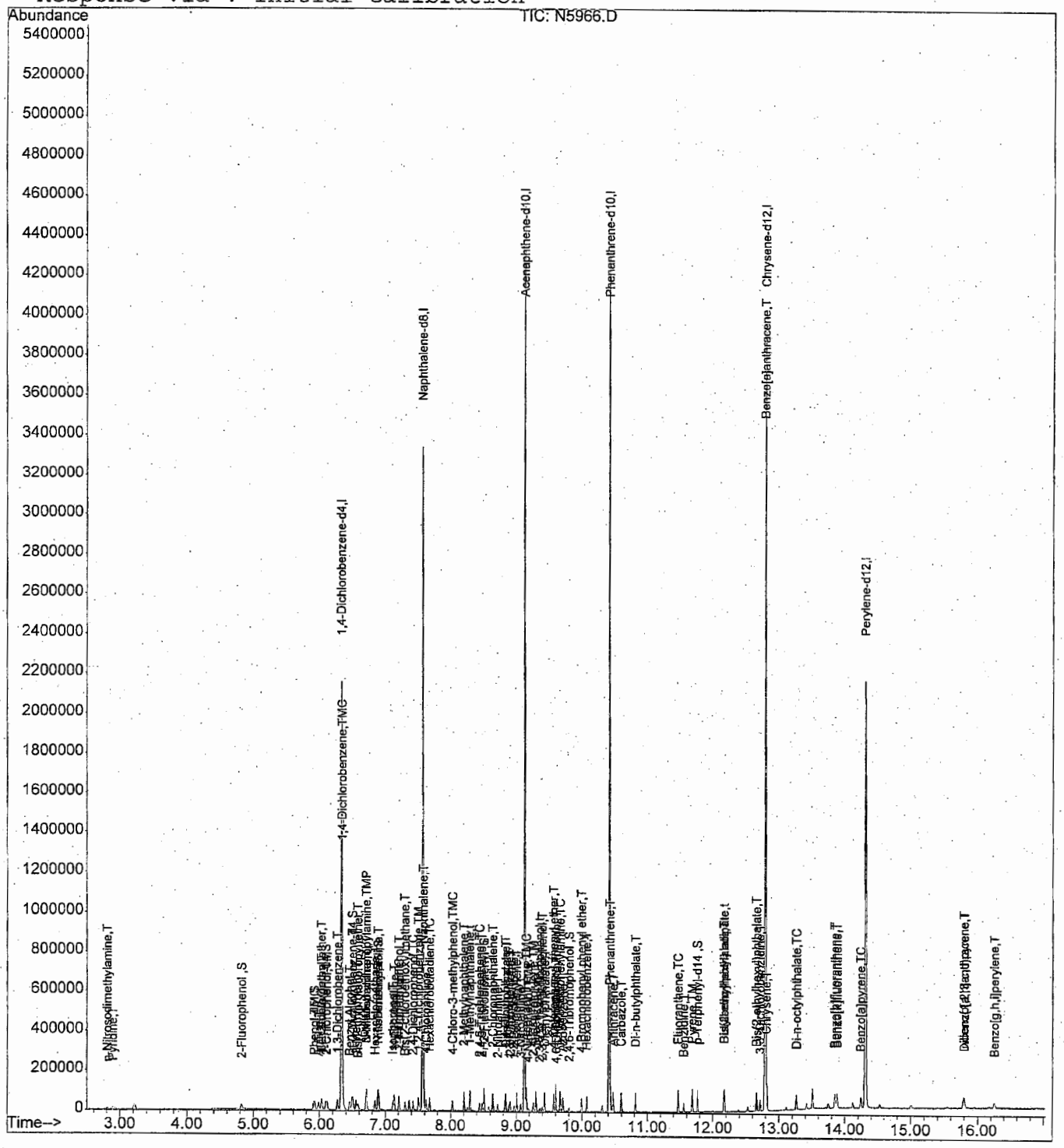
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\061705\N5966.D
Acq On : 17 Jun 2005 10:54 am
Sample : ICALSVSTD001
Misc : ST050518-2
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:14 2005

Vial: 3
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:39:14 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5967.D
Acq On : 17 Jun 2005 11:19 am
Sample : ICALSVSTD005
Misc : ST050518-3
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:40 2005

Vial: 4
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:36:26 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.33	152	443547.	40.00	ng/uL	0.00
23) Naphthalene-d8	7.57	136	1589234	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.13	164	897845	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.41	188	1387626	40.00	ng/uL	0.00
79) Chrysene-d12	12.79	240	1255970	40.00	ng/uL	-0.02
90) Perylene-d12	14.31	264	816432	40.00	ng/uL	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	4.82	112	65845	4.69	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 6.25%#			
5) 2-Chlorophenol-d4	6.10	132	72152	4.59	ng/uL	-0.01
Spiked Amount 75.000	Range 33 - 110		Recovery = 6.12%#			
7) Phenol-d5	5.91	99	71919	4.74	ng/uL	-0.01
Spiked Amount 75.000	Range 15 - 104		Recovery = 6.32%#			
14) 1,2-Dichlorobenzene-d4	6.49	152	47589	4.68	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 9.36%#			
24) Nitrobenzene-d5	6.88	82	60730	4.42	ng/uL	-0.01
Spiked Amount 50.000	Range 34 - 111		Recovery = 8.84%#			
45) 2-Fluorobiphenyl	8.51	172	142460	4.45	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 8.90%#			
67) 2,4,6-Tribromophenol	9.80	330	12388	3.77	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 5.03%#			
82) p-Terphenyl-d14	11.76	244	139660	4.29	ng/uL	-0.01
Spiked Amount 50.000	Range 33 - 111		Recovery = 8.58%#			

Target Compounds						Qvalue
2) Pyridine	2.87	79	59524	4.83	ng/uL	93
3) n-Nitrosodimethylamine	2.80	74	29559m	5.16	ng/uL	
6) Aniline	5.99	93	79751	4.77	ng/uL	99
8) Phenol	5.93	94	66313	4.75	ng/uL	97
9) Tetramethylurea	6.03	72	94729	4.76	ng/uL	99
10) Bis(2-chloroethyl)ether	6.04	93	53503	4.89	ng/uL	96
11) 2-Chlorophenol	6.11	128	67402	4.69	ng/uL	100
12) 1,3-Dichlorobenzene	6.27	146	73514	4.75	ng/uL	99
13) 1,4-Dichlorobenzene	6.35	146	78199	4.75	ng/ul	95
15) 1,2-Dichlorobenzene	6.51	146	71309	4.66	ng/uL	98
16) Benzyl Alcohol	6.46	108	38496	4.64	ng/uL	96
17) Bis(2-chloroisopropyl)ethe	6.58	45	44836	4.68	ng/uL#	49
18) 2-Methylphenol	6.55	107	50243	4.73	ng/uL	98
19) n-Nitroso-di-n-propylamine	6.71	70	37142	4.30	ng/uL	97
20) 3+4-Methylphenol	6.70	108	62278	4.32	ng/uL	94
21) N-Methylaniline	6.72	106	99368	4.41	ng/uL	98

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5967.D
Acq On : 17 Jun 2005 11:19 am
Sample : ICALSVSTD005
Misc : ST050518-3
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:40 2005

Vial: 4
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:36:26 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.84	117	27181	4.71 ng/uL	96
25) N,N-Dimethylaniline	6.89	120	101629	4.41 ng/uL	98
26) Nitrobenzene	6.90	77	77862	4.46 ng/uL#	91
27) Isophorone	7.12	82	95087	4.62 ng/uL	99
28) N-Ethylaniline	7.14	106	120406	4.59 ng/uL	99
29) 2-Nitrophenol	7.21	139	28513	4.26 ng/uL	95
30) 2,4-Dimethylphenol	7.21	107	57864	4.51 ng/uL	99
31) Bis(2-chloroethoxy)methane	7.30	93	62103	4.68 ng/uL	98
32) 2,4-Dichlorophenol	7.42	162	49236	4.50 ng/uL	99
33) Benzoic acid	7.32	105	89	N.D.	
34) 1,2,4-Trichlorobenzene	7.50	180	55755	4.60 ng/uL	96
35) Naphthalene	7.59	128	192069	4.72 ng/uL	95
36) 4-Chloroaniline	7.62	127	73949	4.68 ng/uL	99
37) Hexachlorobutadiene	7.68	225	31851	4.59 ng/uL	98
38) 4-Chloro-3-methylphenol	8.03	107	46153	4.53 ng/uL	99
39) 2-Methylnaphthalene	8.20	142	123721	4.68 ng/uL	99
41) 1-Methylnaphthalene	8.30	142	122746	4.58 ng/uL	98
42) Hexachlorocyclopentadiene	8.34	237	3289	1.20 ng/uL#	95
43) 2,4,6-Trichlorophenol	8.44	196	27443	4.14 ng/uL	97
44) 2,4,5-Trichlorophenol	8.48	196	30745	4.13 ng/uL	96
46) 2-Chloronaphthalene	8.64	162	114145	4.50 ng/uL	98
47) 2-Nitroaniline	8.72	65	23275	4.37 ng/uL	97
48) 1,4-Dinitrobenzene	8.83	168	15516	4.20 ng/uL#	81
49) Dimethylphthalate	8.84	163	127946	4.76 ng/uL	100
50) 1,3-Dinitrobenzene	8.89	168	18158	4.43 ng/uL	89
51) 2,6-Dinitrotoluene	8.91	165	27491	4.52 ng/uL	93
52) 1,2-Dinitrobenzene	8.97	168	12934	4.64 ng/uL	93
53) Acenaphthylene	9.01	152	180395	4.58 ng/uL	99
54) 3-Nitroaniline	9.07	138	28691	4.68 ng/uL	99
55) Acenaphthene	9.16	154	108908	4.36 ng/uL	93
56) 2,4-Dinitrophenol	9.16	184	2205	1.18 ng/uL#	1
57) 4-Nitrophenol	9.18	109	8929	3.61 ng/uL	95
58) Dibenzofuran	9.30	168	156287	4.65 ng/uL	98
59) 2,4-Dinitrotoluene	9.26	165	33626	4.49 ng/uL	94
60) 2,3,5,6-Tetrachlorophenol	9.36	232	14919	3.46 ng/uL	96
61) 2,3,4,6-Tetrachlorophenol	9.40	232	20975	3.83 ng/uL#	90
62) Diethylphthalate	9.43	149	123502	4.66 ng/uL	99
63) Fluorene	9.60	166	126192	4.60 ng/uL	99
64) 4-Chlorophenyl phenyl ethe	9.57	204	55696	4.53 ng/uL	94
65) 4-Nitroaniline	9.60	138	28269	4.30 ng/uL	93
66) Azobenzene	9.71	77	101554	4.70 ng/uL	98

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5967.D
Acq On : 17 Jun 2005 11:19 am
Sample : ICALSVSTD005
Misc : ST050518-3
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:40 2005

Vial: 4
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:36:26 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.62	198	8830	2.71 ng/uL	96
70)	n-Nitrosodiphenylamine	9.67	169	104952	4.57 ng/uL	99
71)	4-Bromophenyl phenyl ether	9.99	248	32616	4.41 ng/uL	95
72)	Hexachlorobenzene	10.07	284	35115	4.35 ng/uL	96
73)	Pentachlorophenol	10.23	266	3402	1.71 ng/uL	90
74)	Phenanthrene	10.43	178	172293	4.58 ng/uL	99
75)	Anthracene	10.48	178	169993	4.45 ng/uL	99
76)	Carbazole	10.60	167	158708	4.54 ng/uL	99
77)	Di-n-butylphthalate	10.82	149	201628	4.47 ng/uL	98
78)	Fluoranthene	11.47	202	181224	4.46 ng/uL	97
80)	Benzidine	11.55	184	84159	4.38 ng/uL	100
81)	Pyrene	11.68	202	189804	4.58 ng/uL	98
83)	Butylbenzylphthalate	12.16	149	86639	4.50 ng/uL	96
84)	Bis(2-ethylhexyl) adipate	12.17	129	71678	4.33 ng/uL	97
85)	Benzo[a]anthracene	12.78	228	181289	4.76 ng/uL	100
86)	3,3'-Dichlorobenzidine	12.71	252	51780	4.51 ng/uL	100
87)	Chrysene	12.81	228	162505	4.74 ng/uL	99
88)	Bis(2-ethylhexyl)phthalate	12.65	149	109190	4.54 ng/uL	98
89)	Di-n-octylphthalate	13.26	149	155941	4.41 ng/uL	100
91)	Benzo[b]fluoranthene	13.85	252	140302	4.42 ng/uL	99
92)	Benzo[k]fluoranthene	13.88	252	133395	4.32 ng/uL	99
93)	Benzo[a]pyrene	14.24	252	117895	4.43 ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.79	276	106504	4.90 ng/uL	99
95)	Dibenzo[a,h]anthracene	15.79	278	88732	4.82 ng/uL	100
96)	Benzo[g,h,i]perylene	16.25	276	85428	5.33 ng/uL	100

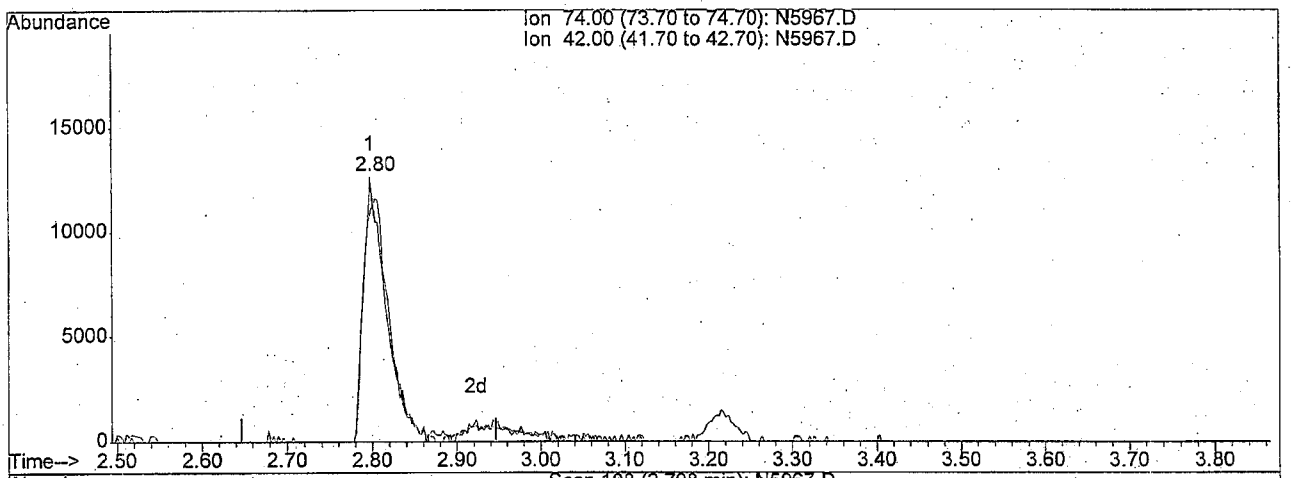
(#) = qualifier out of range (m) = manual integration

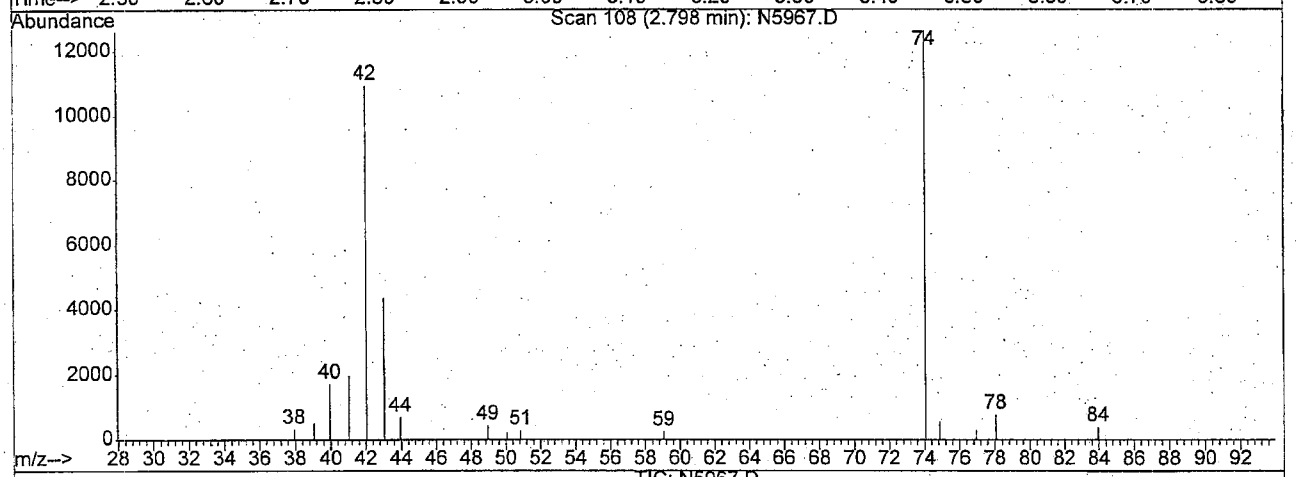
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5967.D
Acq On : 17 Jun 2005 11:19 am
Sample : ICALSVSTD005
Misc : ST050518-3
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:36 2005

Vial: 4
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:39:14 2005
Response via : Multiple Level Calibration





(3) n-Nitrosodimethylamine (T)

2.80min 4.32ng/uL

response 24780

Ion	Exp%	Act%
74.00	100	100
42.00	80.70	93.41
0.00	0.00	0.00
0.00	0.00	0.00

Before

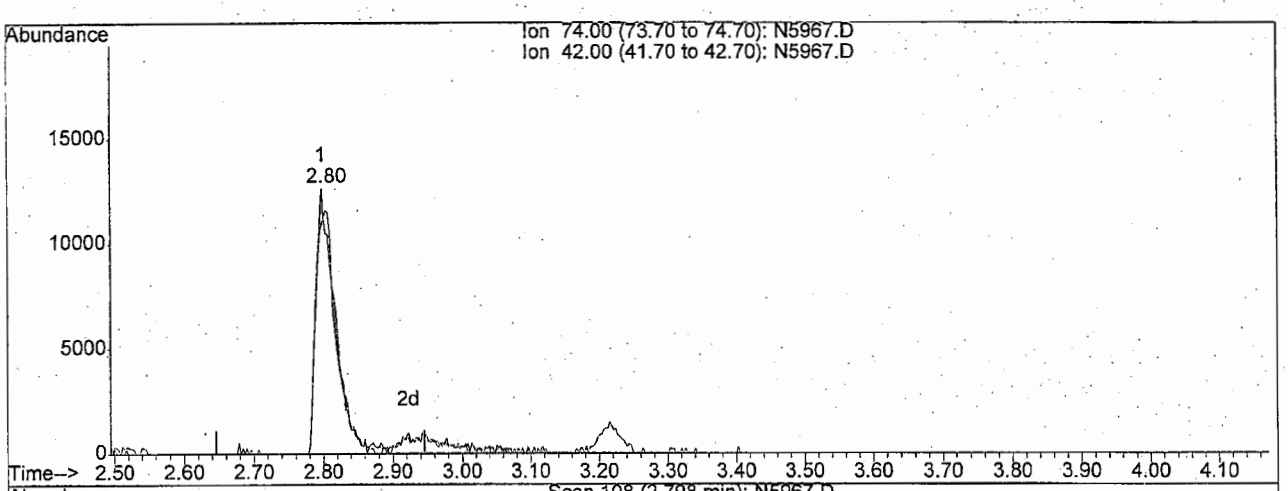
N5967.D 061705S1.M Fri Jun 17 11:40:17 2005

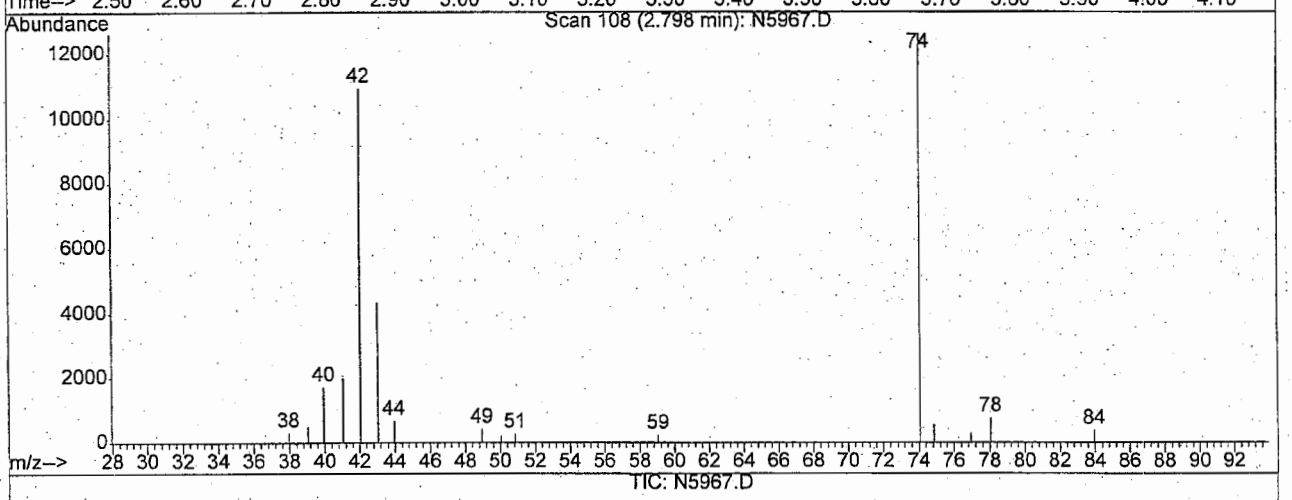
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5967.D
Acq On : 17 Jun 2005 11:19 am
Sample : ICALSVSTD005
Misc : ST050518-3
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:40 2005

Vial: 4
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:39:14 2005
Response via : Multiple Level Calibration





(3) n-Nitrosodimethylamine (T)

2.80min 5.16ng/uL m

response 29559

Ion	Exp%	Act%
74.00	100	100
42.00	80.70	78.31
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 6-20-05

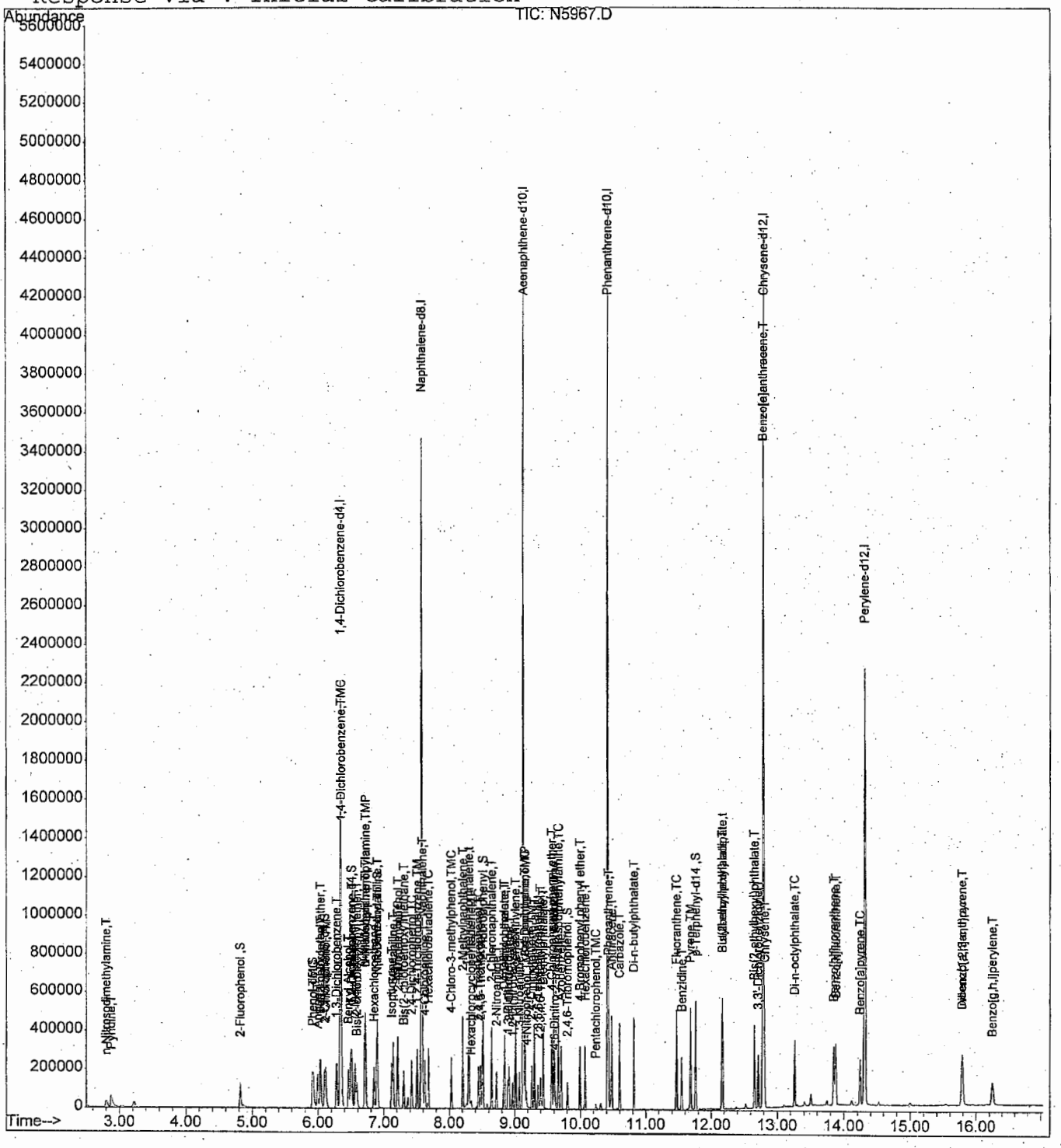
N5967.D 061705S1.M Fri Jun 17 11:40:58 2005

Quantitation Report

Data File : D:\HPCHEM\1\DATA\061705\N5967.D
Acq On : 17 Jun 2005 11:19 am
Sample : ICALSVSTD005
Misc : ST050518-3
MS Integration Params: RTEINT.P
Quant Time: Jun 17 11:40 2005

Vial: 4
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 11:39:14 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5968.D
Acq On : 17 Jun 2005 11:43 am
Sample : ICALSVSTD010
Misc : ST050518-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:02 2005

Vial: 5
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:01:21 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.33	152	453228	40.00	ng/uL	0.00
23) Naphthalene-d8	7.57	136	1588717	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.13	164	877796	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.41	188	1293668	40.00	ng/uL	0.00
79) Chrysene-d12	12.79	240	1150451	40.00	ng/uL	-0.01
90) Perylene-d12	14.31	264	690462	40.00	ng/uL	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	4.82	112	139084	9.79	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 13.05%#			
5) 2-Chlorophenol-d4	6.10	132	154953	9.76	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 13.01%#			
7) Phenol-d5	5.91	99	153933	9.96	ng/uL	-0.01
Spiked Amount 75.000	Range 15 - 104		Recovery = 13.28%#			
14) 1,2-Dichlorobenzene-d4	6.49	152	99285	9.70	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 19.40%			
24) Nitrobenzene-d5	6.89	82	131614	9.72	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 19.44%#			
45) 2-Fluorobiphenyl	8.51	172	297621	9.67	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 19.34%#			
67) 2,4,6-Tribromophenol	9.80	330	26889	8.86	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 11.81%#			
82) p-Terphenyl-d14	11.76	244	268472	9.32	ng/uL	-0.01
Spiked Amount 50.000	Range 33 - 111		Recovery = 18.64%#			

Target Compounds						Qvalue
2) Pyridine	2.86	79	136726m	10.71	ng/uL	
3) n-Nitrosodimethylamine	2.80	74	66551m	10.76	ng/uL	
6) Aniline	5.99	93	175037	10.17	ng/uL	99
8) Phenol	5.93	94	132016m	9.14	ng/uL	
9) Tetramethylurea	6.03	72	212983	10.31	ng/uL	99
10) Bis(2-chloroethyl)ether	6.04	93	117073	10.31	ng/uL	97
11) 2-Chlorophenol	6.11	128	148699	10.09	ng/uL	99
12) 1,3-Dichlorobenzene	6.27	146	164044	10.24	ng/uL	99
13) 1,4-Dichlorobenzene	6.35	146	173861	10.22	ng/ul	98
15) 1,2-Dichlorobenzene	6.51	146	157420	10.04	ng/uL	100
16) Benzyl Alcohol	6.46	108	86182	10.11	ng/uL	97
17) Bis(2-chloroisopropyl)ethe	6.58	45	97193	9.96	ng/uL#	48
18) 2-Methylphenol	6.55	107	111179	10.16	ng/uL	98
19) n-Nitroso-di-n-propylamine	6.71	70	83111	9.60	ng/uL	96
20) 3+4-Methylphenol	6.70	108	140266	9.67	ng/uL	96
21) N-Methylaniline	6.72	106	218589	9.66	ng/uL	98

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5968.D
Acq On : 17 Jun 2005 11:43 am
Sample : ICALSVSTD010
Misc : ST050518-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:02 2005

Vial: 5
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:01:21 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22)	Hexachloroethane	6.84	117	60615	10.18 ng/uL	97
25)	N,N-Dimethylaniline	6.89	120	224497	9.82 ng/uL	98
26)	Nitrobenzene	6.90	77	175045	10.02 ng/uL	100
27)	Isophorone	7.12	82	209660	10.12 ng/uL	99
28)	N-Ethylaniline	7.14	106	264016	10.05 ng/uL	97
29)	2-Nitrophenol	7.21	139	65519	9.87 ng/uL	95
30)	2,4-Dimethylphenol	7.21	107	132584	10.22 ng/uL	97
31)	Bis(2-chloroethoxy)methane	7.30	93	133752	10.06 ng/uL	97
32)	2,4-Dichlorophenol	7.42	162	109729	10.02 ng/uL	99
33)	Benzoic acid	7.31	105	4672	2.66 ng/uL#	15
34)	1,2,4-Trichlorobenzene	7.50	180	125394	10.23 ng/uL	100
35)	Naphthalene	7.59	128	418810	10.19 ng/uL	99
36)	4-Chloroaniline	7.62	127	161888	10.17 ng/uL	99
37)	Hexachlorobutadiene	7.68	225	70194	10.07 ng/uL	99
38)	4-Chloro-3-methylphenol	8.03	107	102447	10.04 ng/uL	97
39)	2-Methylnaphthalene	8.21	142	266336	10.05 ng/uL	99
41)	1-Methylnaphthalene	8.30	142	268824	10.17 ng/uL	100
42)	Hexachlorocyclopentadiene	8.33	237	14611	6.41 ng/uL	97
43)	2,4,6-Trichlorophenol	8.44	196	60796	9.58 ng/uL	96
44)	2,4,5-Trichlorophenol	8.48	196	69749	9.72 ng/uL	96
46)	2-Chloronaphthalene	8.64	162	247037	9.98 ng/uL	99
47)	2-Nitroaniline	8.72	65	52462	10.06 ng/uL	98
48)	1,4-Dinitrobenzene	8.83	168	34840	9.77 ng/uL	87
49)	Dimethylphthalate	8.84	163	267573	10.12 ng/uL	99
50)	1,3-Dinitrobenzene	8.90	168	40845	10.12 ng/uL	96
51)	2,6-Dinitrotoluene	8.91	165	58641	9.90 ng/uL	94
52)	1,2-Dinitrobenzene	8.97	168	27791	10.13 ng/uL	95
53)	Acenaphthylene	9.01	152	389136	10.07 ng/uL	99
54)	3-Nitroaniline	9.07	138	59902	10.00 ng/uL	95
55)	Acenaphthene	9.16	154	236582	9.79 ng/uL	94
56)	2,4-Dinitrophenol	9.16	184	9032	5.96 ng/uL#	1
57)	4-Nitrophenol	9.18	109	22976	9.66 ng/uL	85
58)	Dibenzofuran	9.30	168	328130	9.99 ng/uL	99
59)	2,4-Dinitrotoluene	9.26	165	72739	9.96 ng/uL	98
60)	2,3,5,6-Tetrachlorophenol	9.36	232	38862	9.47 ng/uL	98
61)	2,3,4,6-Tetrachlorophenol	9.40	232	51520	9.75 ng/uL	97
62)	Diethylphthalate	9.43	149	253969	9.87 ng/uL	99
63)	Fluorene	9.60	166	267638	9.98 ng/uL	99
64)	4-Chlorophenyl phenyl ethe	9.57	204	118403	9.90 ng/uL	96
65)	4-Nitroaniline	9.60	138	60102	9.56 ng/uL	96
66)	Azobenzene	9.71	77	212022	10.02 ng/uL	98

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5968.D
Acq On : 17 Jun 2005 11:43 am
Sample : ICALSVSTD010
Misc : ST050518-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:02 2005

Vial: 5
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:01:21 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.62	198	23624	8.41	ng/uL	96
70)	n-Nitrosodiphenylamine	9.67	169	220477	10.19	ng/uL	98
71)	4-Bromophenyl phenyl ether	9.99	248	68458	9.95	ng/uL	96
72)	Hexachlorobenzene	10.07	284	72488	9.75	ng/uL	93
73)	Pentachlorophenol	10.24	266	11289	6.78	ng/uL	99
74)	Phenanthrene	10.43	178	347886	9.95	ng/uL	100
75)	Anthracene	10.48	178	350953	9.90	ng/uL	99
76)	Carbazole	10.60	167	326747	10.02	ng/uL	99
77)	Di-n-butylphthalate	10.82	149	425534	10.07	ng/uL	99
78)	Fluoranthene	11.47	202	373336	9.90	ng/uL	97
80)	Benzidine	11.55	184	160198	9.38	ng/uL	99
81)	Pyrene	11.68	202	389489	10.18	ng/uL	98
83)	Butylbenzylphthalate	12.17	149	180810	10.17	ng/uL	99
84)	Bis(2-ethylhexyl) adipate	12.17	129	148283	9.86	ng/uL	97
85)	Benzo[a]anthracene	12.78	228	360243	10.21	ng/uL	99
86)	3,3'-Dichlorobenzidine	12.71	252	107330	10.13	ng/uL	98
87)	Chrysene	12.82	228	321871	10.16	ng/uL	100
88)	Bis(2-ethylhexyl)phthalate	12.66	149	217742	9.92	ng/uL	100
89)	Di-n-octylphthalate	13.26	149	312067	9.76	ng/uL	99
91)	Benzo[b]fluoranthene	13.85	252	272641	10.11	ng/uL	99
92)	Benzo[k]fluoranthene	13.88	252	258459	9.93	ng/uL	99
93)	Benzo[a]pyrene	14.24	252	229216	10.12	ng/uL	100
94)	Indeno(1,2,3-c,d)pyrene	15.79	276	209487	10.89	ng/uL	99
95)	Dibenzo[a,h]anthracene	15.79	278	171508	10.65	ng/uL	99
96)	Benzo[g,h,i]perylene	16.25	276	158355	11.06	ng/uL	98

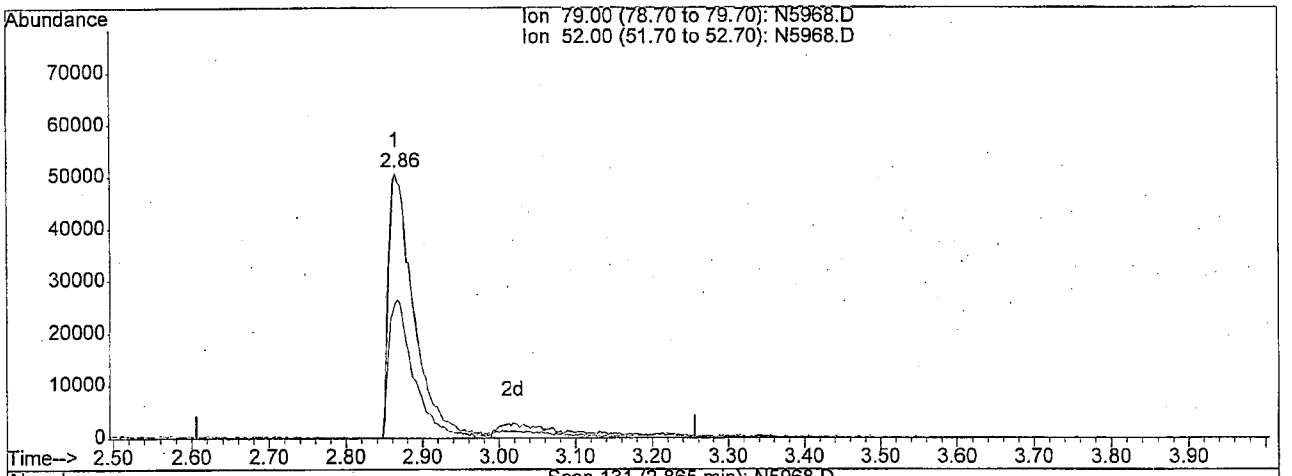
(#) = qualifier out of range (m) = manual integration

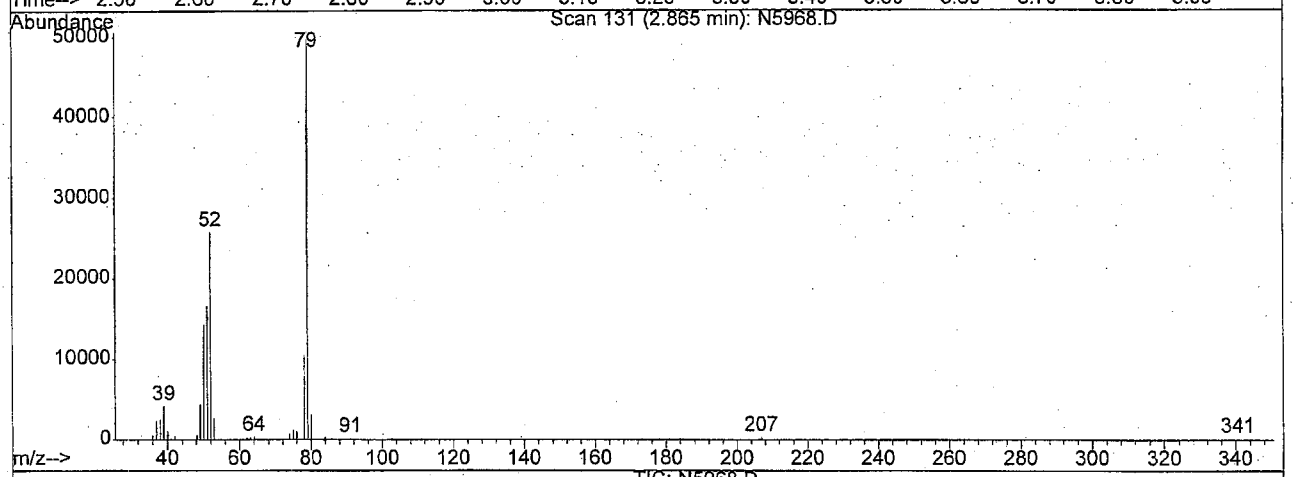
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5968.D
Acq On : 17 Jun 2005 11:43 am
Sample : ICALSVSTD010
Misc : ST050518-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:01 2005

Vial: 5
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:01:21 2005
Response via : Multiple Level Calibration





TIC: N5968.D

(2) Pyridine (T)

2.86min 9.14ng/uL

response 116768

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	51.56
0.00	0.00	0.00
0.00	0.00	0.00

Before

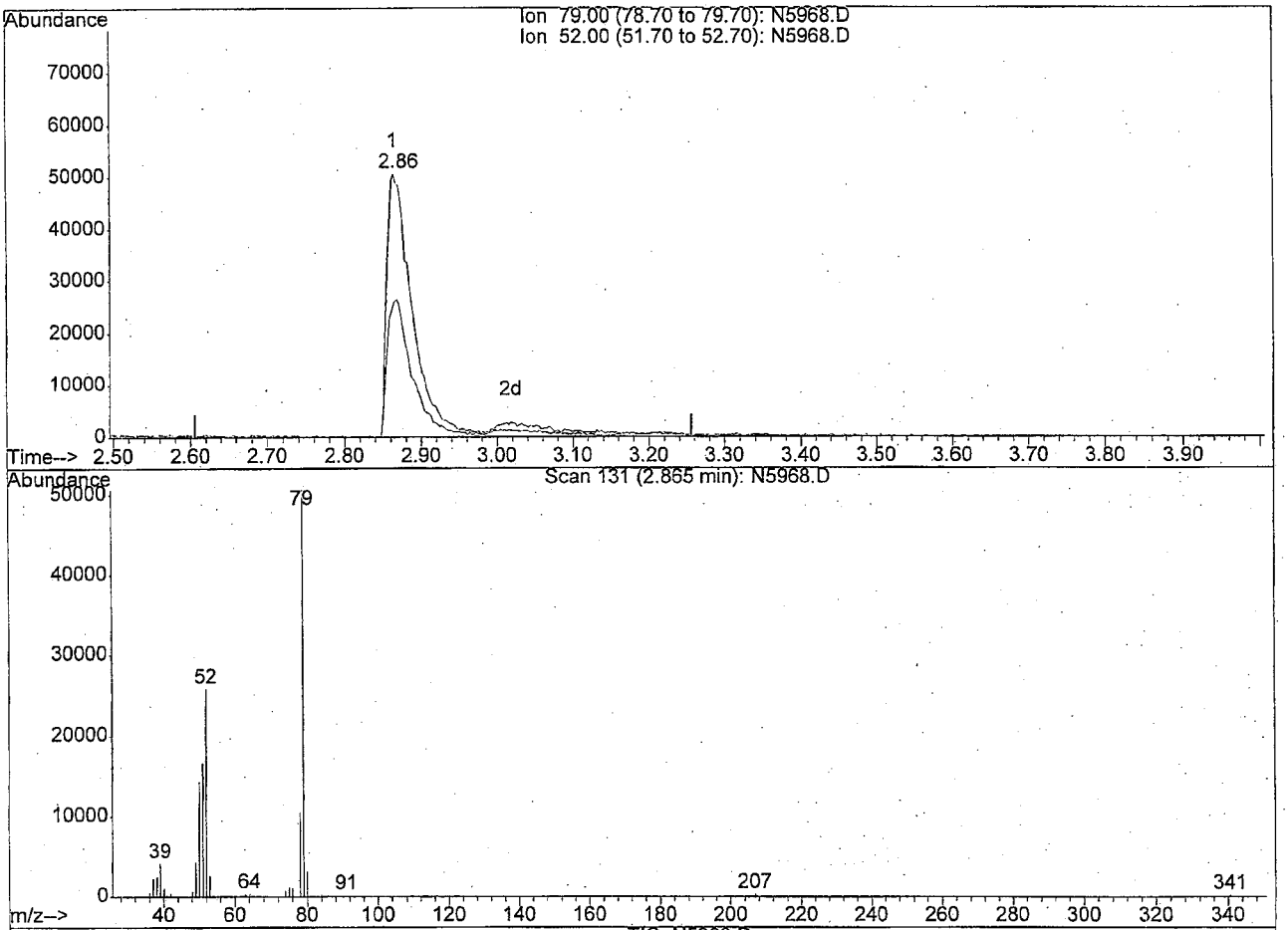
N5968.D 061705S1.M Fri Jun 17 12:01:45 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5968.D
Acq On : 17 Jun 2005 11:43 am
Sample : ICALSVSTD010
Misc : ST050518-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:01 2005

Vial: 5
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:01:21 2005
Response via : Multiple Level Calibration



(2) Pyridine (T)

2.86min 10.71ng/uL m

response 136726

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	44.04
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JL *date* 6-20-05

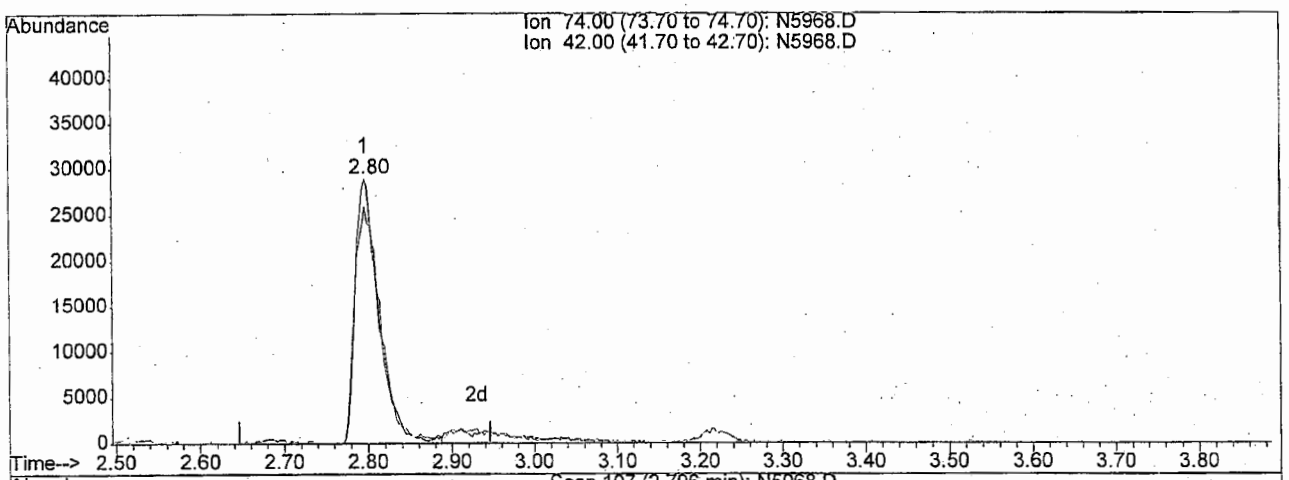
N5968.D 061705S1.M Fri Jun 17 12:01:49 2005

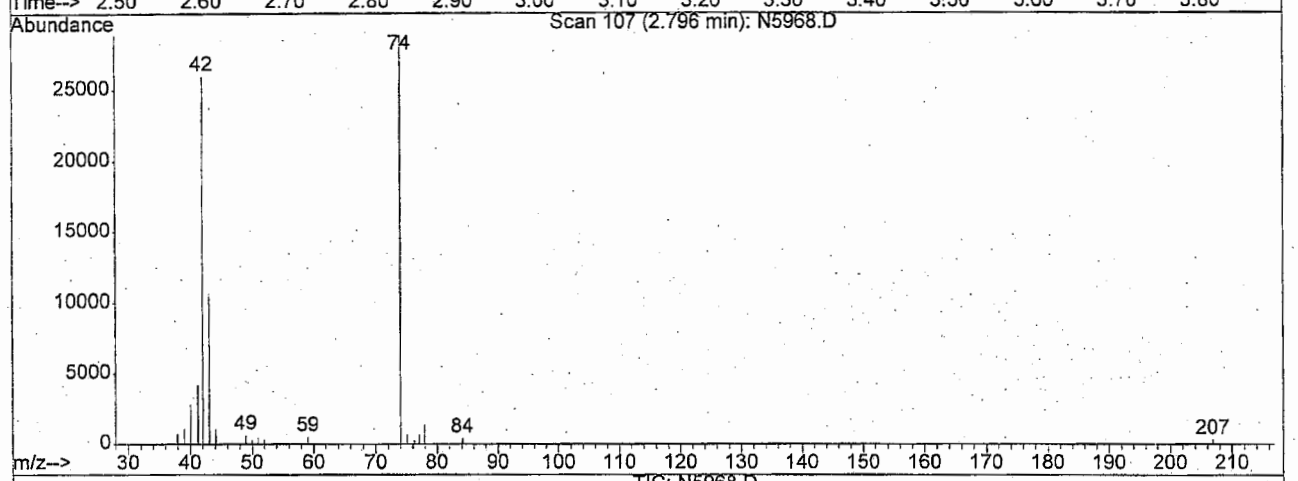
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5968.D
Acq On : 17 Jun 2005 11:43 am
Sample : ICALSVSTD010
Misc : ST050518-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:01 2005

Vial: 5
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:01:21 2005
Response via : Multiple Level Calibration





(3) n-Nitrosodimethylamine (T)

2.80min 9.29ng/uL

response 57451

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	90.70
0.00	0.00	0.00
0.00	0.00	0.00

Before

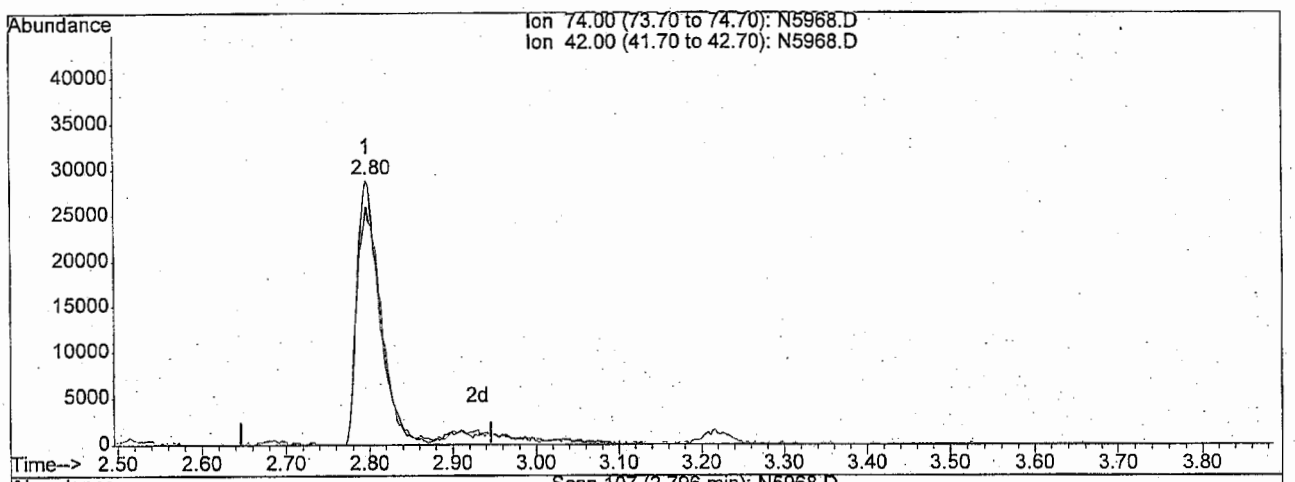
N5968.D 061705S1.M Fri Jun 17 12:01:52 2005

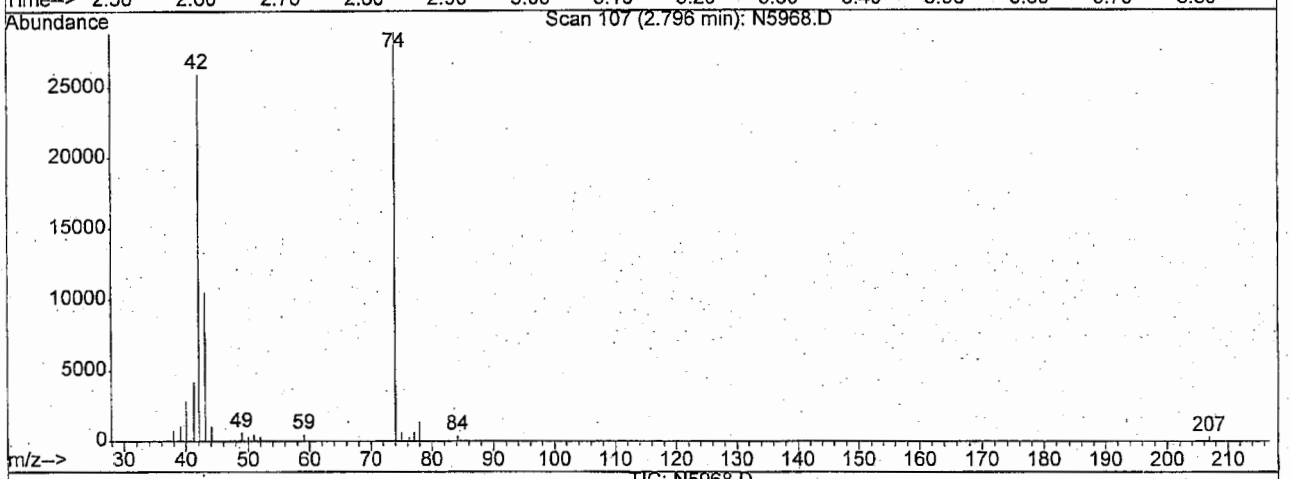
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5968.D
Acq On : 17 Jun 2005 11:43 am
Sample : ICALSVSTD010
Misc : ST050518-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:01 2005

Vial: 5
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:01:21 2005
Response via : Multiple Level Calibration





TIC: N5968.D

(3) n-Nitrosodimethylamine (T)

2.80min 10.76ng/uL m

response 66551

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	78.29
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JLL *date* 6-20-05

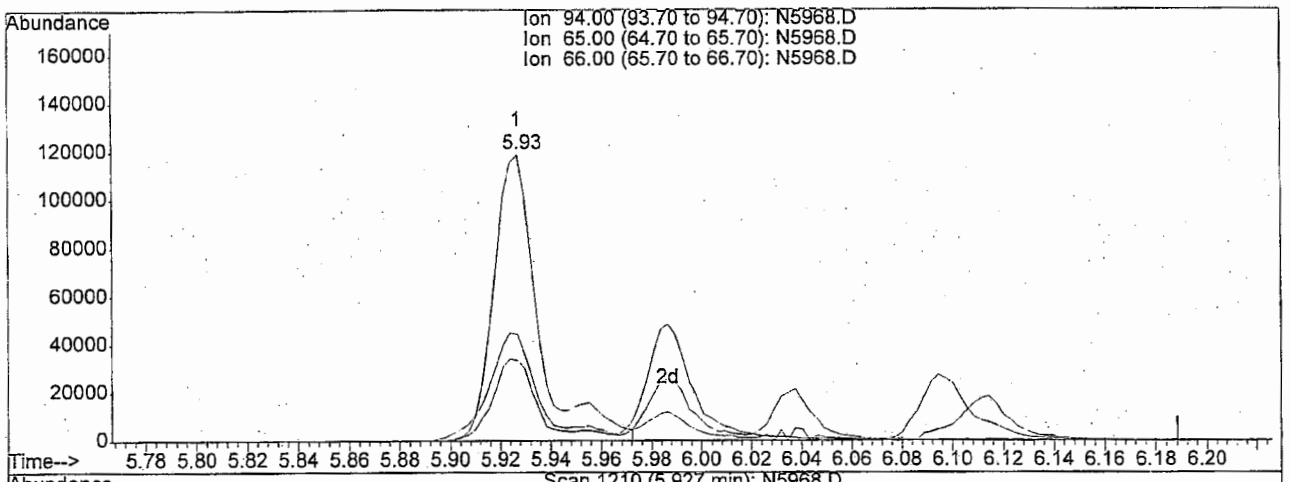
N5968.D 061705S1.M Fri Jun 17 12:01:56 2005

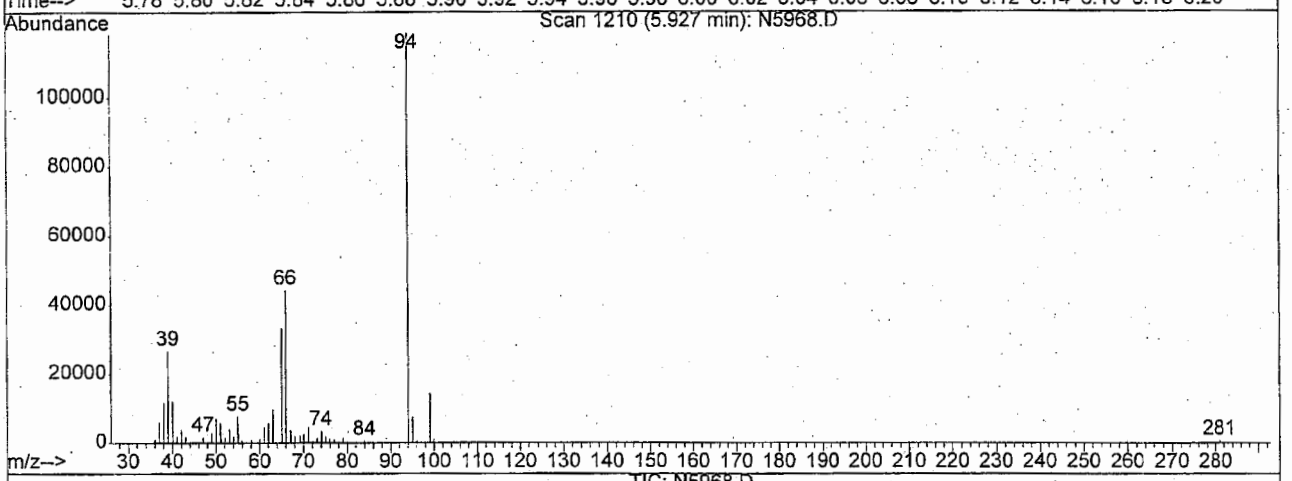
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5968.D
Acq On : 17 Jun 2005 11:43 am
Sample : ICALSVSTD010
Misc : ST050518-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:01 2005

Vial: 5
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:01:21 2005
Response via : Multiple Level Calibration





TIC: N5968.D

(8) Phenol (TMC)

5.93min 10.22ng/uL

response 147561

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	29.87
66.00	40.90	42.23
0.00	0.00	0.00

Before

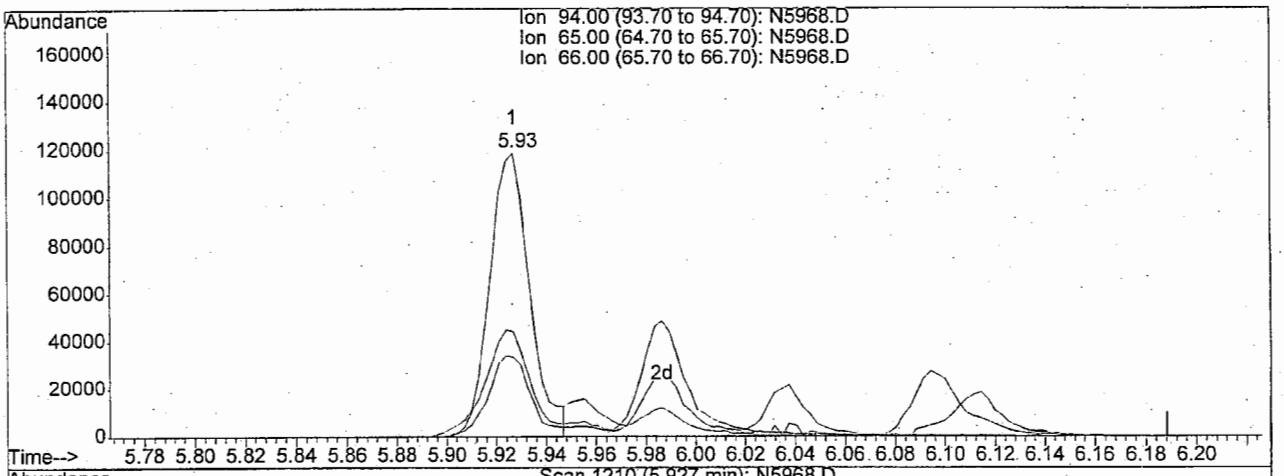
N5968.D 061705S1.M Fri Jun 17 12:02:06 2005

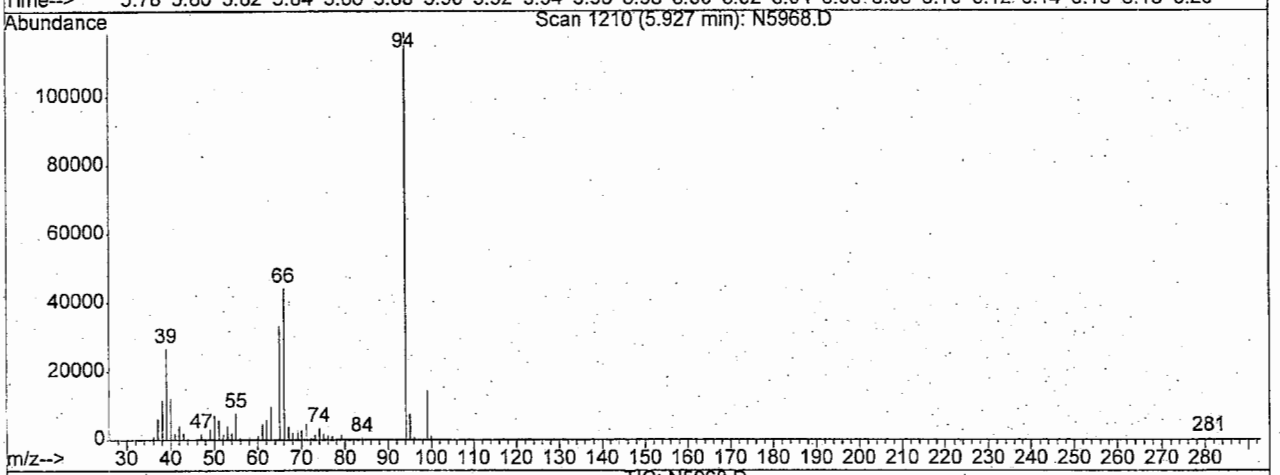
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5968.D
Acq On : 17 Jun 2005 11:43 am
Sample : ICALSVSTD010
Misc : ST050518-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:02 2005

Vial: 5
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:01:21 2005
Response via : Multiple Level Calibration





TIC: N5968.D

(8) Phenol (TMC)

5.93min 9.14ng/uL m

response 132016

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	33.39
66.00	40.90	47.20
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JK *date* 6-20-05

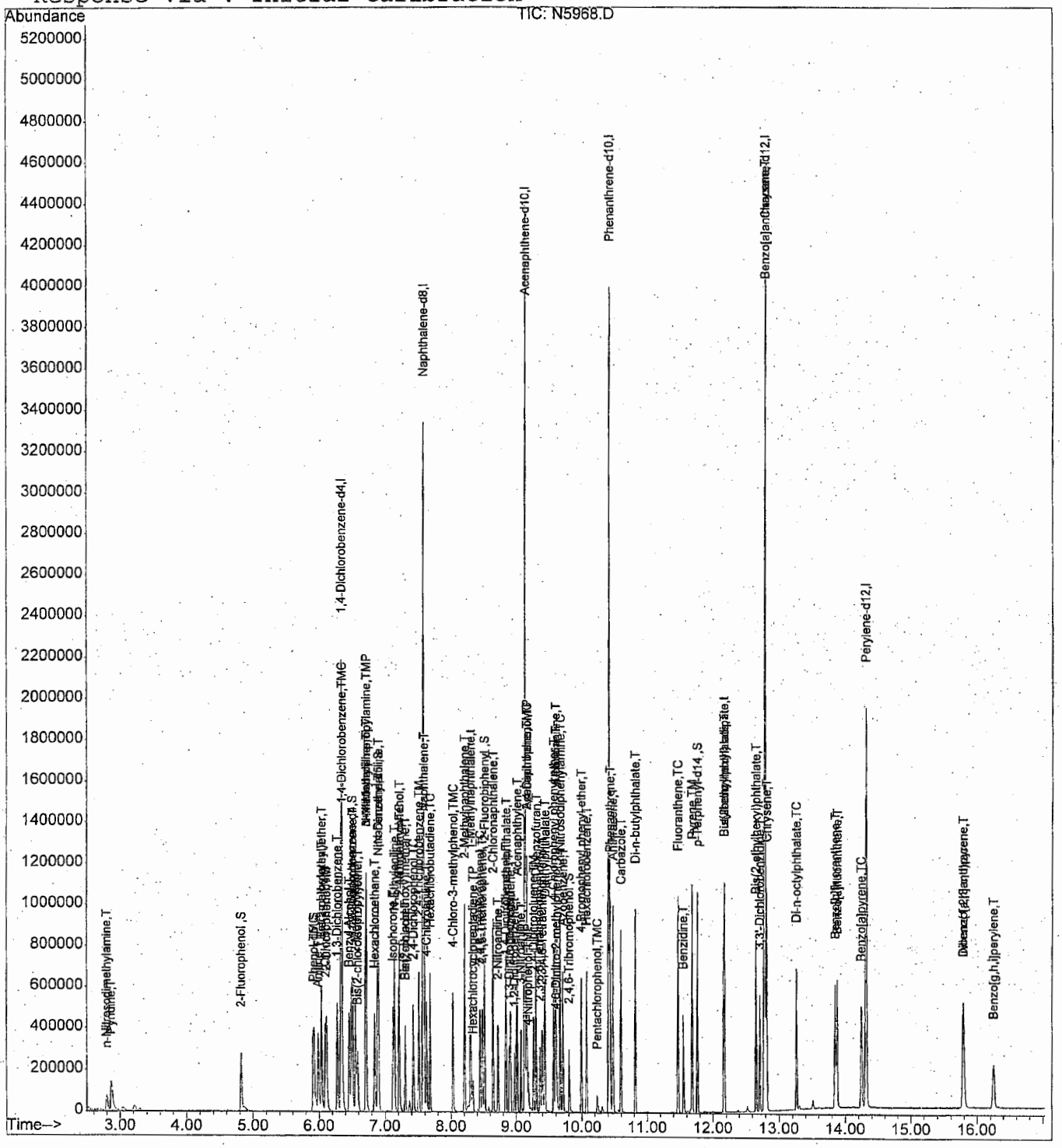
N5968.D 061705S1.M Fri Jun 17 12:02:13 2005

Quantitation Report

Data File : D:\HPCHEM\1\DATA\061705\N5968.D
Acq On : 17 Jun 2005 11:43 am
Sample : ICALSVSTD010
Misc : ST050518-4
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:02 2005

Vial: 5
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:03:18 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5969.D
Acq On : 17 Jun 2005 12:07 pm
Sample : ICALSVSTD020
Misc : ST050518-5
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:34 2005

Vial: 6
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:25:43 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.33	152	449149	40.00	ng/uL	0.00
23) Naphthalene-d8	7.57	136	1616479	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.13	164	906881	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.41	188	1406500	40.00	ng/uL	0.00
79) Chrysene-d12	12.79	240	1300872	40.00	ng/uL	-0.01
90) Perylene-d12	14.31	264	840899	40.00	ng/uL	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	4.82	112	283057	20.08	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 26.77%			
5) 2-Chlorophenol-d4	6.10	132	318831	20.21	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 26.95%#			
7) Phenol-d5	5.91	99	281323	18.74	ng/uL	-0.01
Spiked Amount 75.000	Range 15 - 104		Recovery = 24.99%			
14) 1,2-Dichlorobenzene-d4	6.49	152	205186	20.17	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 40.34%			
24) Nitrobenzene-d5	6.89	82	271473	19.77	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 39.54%			
45) 2-Fluorobiphenyl	8.51	172	618076	19.57	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 39.14%			
67) 2,4,6-Tribromophenol	9.80	330	65594	20.68	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 27.57%			
82) p-Terphenyl-d14	11.76	244	616150	19.17	ng/uL	-0.01
Spiked Amount 50.000	Range 33 - 111		Recovery = 38.34%			

Target Compounds						Qvalue
2) Pyridine	2.86	79	270122m	20.90	ng/uL	
3) n-Nitrosodimethylamine	2.79	74	131554m	21.02	ng/uL	
6) Aniline	5.99	93	345219	20.18	ng/uL	97
8) Phenol	5.93	94	263124	19.30	ng/uL	95
9) Tetramethylurea	6.04	72	421629	20.44	ng/uL	99
10) Bis(2-chloroethyl)ether	6.04	93	232218	20.47	ng/uL	97
11) 2-Chlorophenol	6.11	128	292478	20.02	ng/uL	99
12) 1,3-Dichlorobenzene	6.27	146	322843	20.25	ng/uL	99
13) 1,4-Dichlorobenzene	6.35	146	342420	20.24	ng/ul	100
15) 1,2-Dichlorobenzene	6.51	146	312965	20.10	ng/uL	99
16) Benzyl Alcohol	6.46	108	174090	20.46	ng/uL	97
17) Bis(2-chloroisopropyl)ethe	6.58	45	193122	19.98	ng/uL	96
18) 2-Methylphenol	6.56	107	222321	20.37	ng/uL	99
19) n-Nitroso-di-n-propylamine	6.71	70	173262	20.14	ng/uL	98
20) 3+4-Methylphenol	6.71	108	287045	19.98	ng/uL	97
21) N-Methylaniline	6.72	106	440733	19.73	ng/uL	97

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5969.D
Acq On : 17 Jun 2005 12:07 pm
Sample : ICALSVSTD020
Misc : ST050518-5
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:34 2005

Vial: 6
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:25:43 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22)	Hexachloroethane	6.84	117	119913	20.24 ng/uL	98
25)	N,N-Dimethylaniline	6.89	120	450094	19.51 ng/uL	97
26)	Nitrobenzene	6.90	77	354631	19.96 ng/uL	100
27)	Isophorone	7.12	82	423049	20.06 ng/uL	100
28)	N-Ethylaniline	7.14	106	521436	19.63 ng/uL	98
29)	2-Nitrophenol	7.20	139	140318	20.57 ng/uL	98
30)	2,4-Dimethylphenol	7.21	107	264876	20.05 ng/uL	98
31)	Bis(2-chloroethoxy)methane	7.30	93	267519	19.83 ng/uL	98
32)	2,4-Dichlorophenol	7.42	162	223705	20.06 ng/uL	100
33)	Benzoic acid	7.31	105	35869	10.78 ng/uL	98
34)	1,2,4-Trichlorobenzene	7.50	180	245354	19.76 ng/uL	99
35)	Naphthalene	7.59	128	829069	19.87 ng/uL	99
36)	4-Chloroaniline	7.62	127	328643	20.22 ng/uL	100
37)	Hexachlorobutadiene	7.68	225	139787	19.79 ng/uL	99
38)	4-Chloro-3-methylphenol	8.03	107	208926	20.09 ng/uL	100
39)	2-Methylnaphthalene	8.21	142	538267	19.96 ng/uL	99
41)	1-Methylnaphthalene	8.30	142	531030	19.58 ng/uL	99
42)	Hexachlorocyclopentadiene	8.33	237	48832	20.55 ng/uL	98
43)	2,4,6-Trichlorophenol	8.44	196	131085	19.99 ng/uL	98
44)	2,4,5-Trichlorophenol	8.48	196	152400	20.41 ng/uL	98
46)	2-Chloronaphthalene	8.64	162	500007	19.66 ng/uL	99
47)	2-Nitroaniline	8.72	65	113517	20.79 ng/uL	99
48)	1,4-Dinitrobenzene	8.83	168	81636	21.57 ng/uL	96
49)	Dimethylphthalate	8.84	163	545399	19.97 ng/uL	100
50)	1,3-Dinitrobenzene	8.90	168	90354	21.23 ng/uL	97
51)	2,6-Dinitrotoluene	8.91	165	127062	20.57 ng/uL	95
52)	1,2-Dinitrobenzene	8.97	168	58615	20.51 ng/uL	93
53)	Acenaphthylene	9.01	152	790958	19.86 ng/uL	99
54)	3-Nitroaniline	9.07	138	133242	21.13 ng/uL	99
55)	Acenaphthene	9.16	154	494276	19.84 ng/uL	96
56)	2,4-Dinitrophenol	9.16	184	34256	13.61 ng/uL#	1
57)	4-Nitrophenol	9.18	109	53856	18.29 ng/uL	91
58)	Dibenzofuran	9.30	168	672621	19.87 ng/uL	99
59)	2,4-Dinitrotoluene	9.26	165	155812	20.49 ng/uL	97
60)	2,3,5,6-Tetrachlorophenol	9.36	232	93180	21.45 ng/uL	99
61)	2,3,4,6-Tetrachlorophenol	9.40	232	118889	21.30 ng/uL	97
62)	Diethylphthalate	9.44	149	514022	19.50 ng/uL	99
63)	Fluorene	9.60	166	563566	20.26 ng/uL	100
64)	4-Chlorophenyl phenyl ethe	9.57	204	245139	19.87 ng/uL	97
65)	4-Nitroaniline	9.60	138	134708	20.56 ng/uL	95
66)	Azobenzene	9.71	77	443064	20.20 ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5969.D
Acq On : 17 Jun 2005 12:07 pm
Sample : ICALSVSTD020
Misc : ST050518-5
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:34 2005

Vial: 6
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:25:43 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.62	198	67062	16.44 ng/uL	95
70)	n-Nitrosodiphenylamine	9.67	169	463203	19.77 ng/uL	99
71)	4-Bromophenyl phenyl ether	9.99	248	144403	19.47 ng/uL	96
72)	Hexachlorobenzene	10.07	284	154370	19.32 ng/uL	95
73)	Pentachlorophenol	10.23	266	40042m	14.90 ng/uL	
74)	Phenanthrene	10.43	178	747546	19.74 ng/uL	99
75)	Anthracene	10.48	178	763587	19.87 ng/uL	99
76)	Carbazole	10.60	167	716767	20.16 ng/uL	99
77)	Di-n-butylphthalate	10.82	149	907703	19.82 ng/uL	99
78)	Fluoranthene	11.47	202	803263	19.69 ng/uL	98
80)	Benzidine	11.55	184	367755	19.27 ng/uL	99
81)	Pyrene	11.68	202	830896	19.40 ng/uL	98
83)	Butylbenzylphthalate	12.17	149	400348	19.93 ng/uL	99
84)	Bis(2-ethylhexyl) adipate	12.17	129	336505	19.84 ng/uL	98
85)	Benzo[a]anthracene	12.78	228	800232	20.05 ng/uL	100
86)	3,3'-Dichlorobenzidine	12.71	252	257085	21.07 ng/uL	98
87)	Chrysene	12.81	228	711103	19.89 ng/uL	100
88)	Bis(2-ethylhexyl)phthalate	12.66	149	497989	20.05 ng/uL	98
89)	Di-n-octylphthalate	13.26	149	753254	20.61 ng/uL	100
91)	Benzo[b]fluoranthene	13.85	252	647747	19.79 ng/uL	100
92)	Benzo[k]fluoranthene	13.88	252	619704	19.66 ng/uL	99
93)	Benzo[a]pyrene	14.24	252	558629	20.18 ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.80	276	526616	21.81 ng/uL	99
95)	Dibenzo[a,h]anthracene	15.79	278	438143	21.71 ng/uL	99
96)	Benzo[g,h,i]perylene	16.25	276	385979	21.56 ng/uL	99

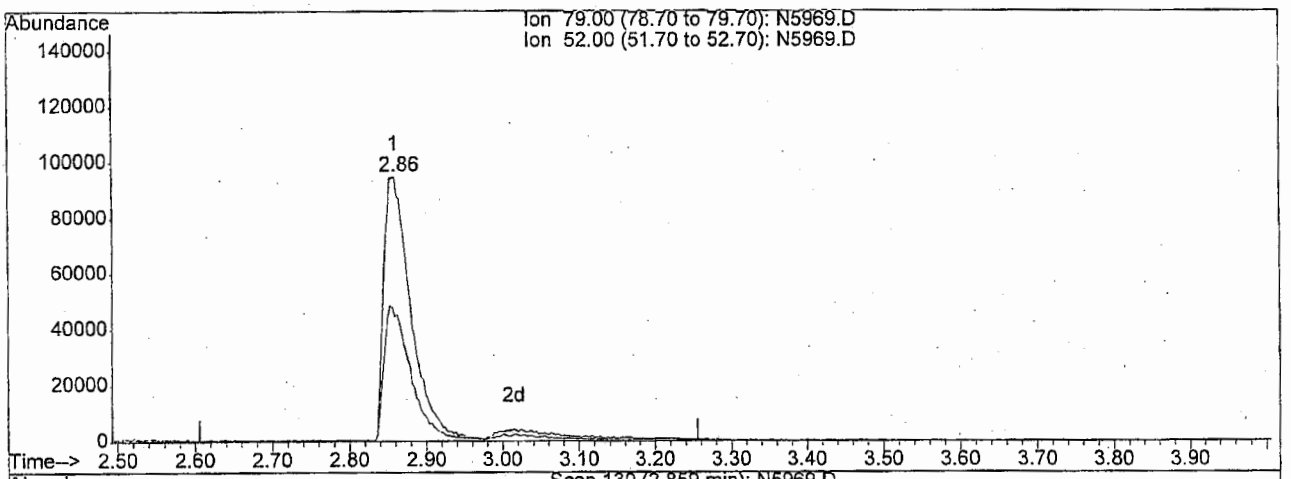
(#) = qualifier out of range (m) = manual integration

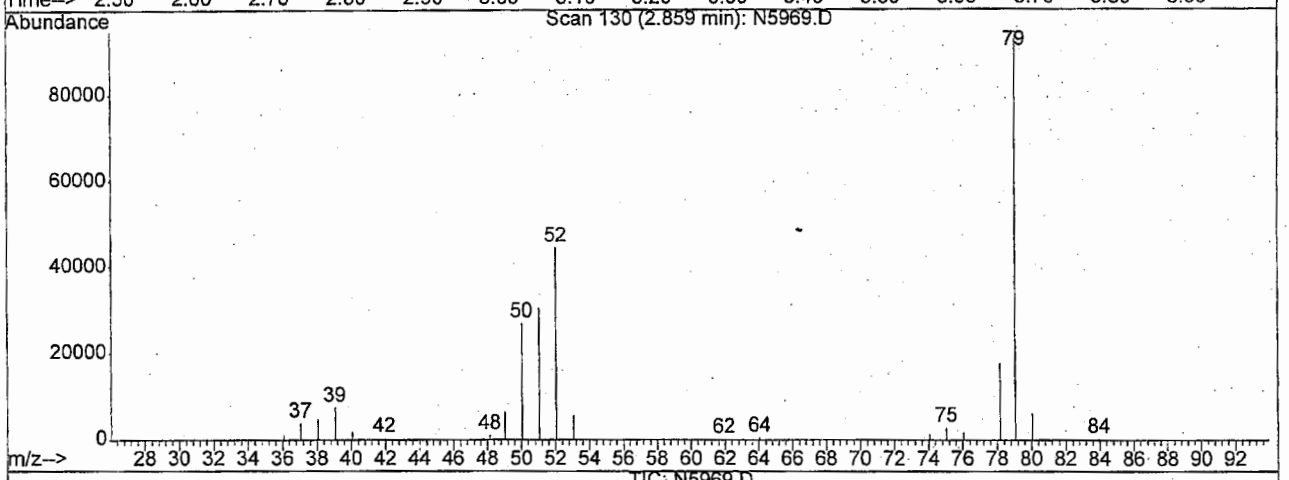
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5969.D
Acq On : 17 Jun 2005 12:07 pm
Sample : ICALSVSTD020
Misc : ST050518-5
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:25 2005

Vial: 6
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:25:43 2005
Response via : Multiple Level Calibration





TIC: N5969.D

(2) Pyridine (T)

2.86min 18.18ng/uL

response 234956

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	49.83
0.00	0.00	0.00
0.00	0.00	0.00

Before

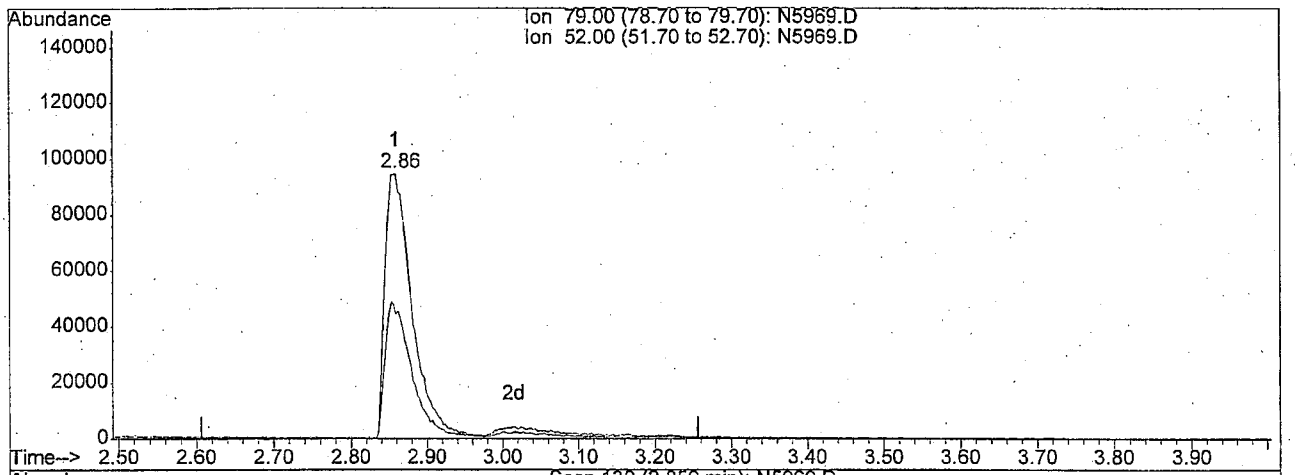
N5969.D 061705S1.M Fri Jun 17 12:28:55 2005

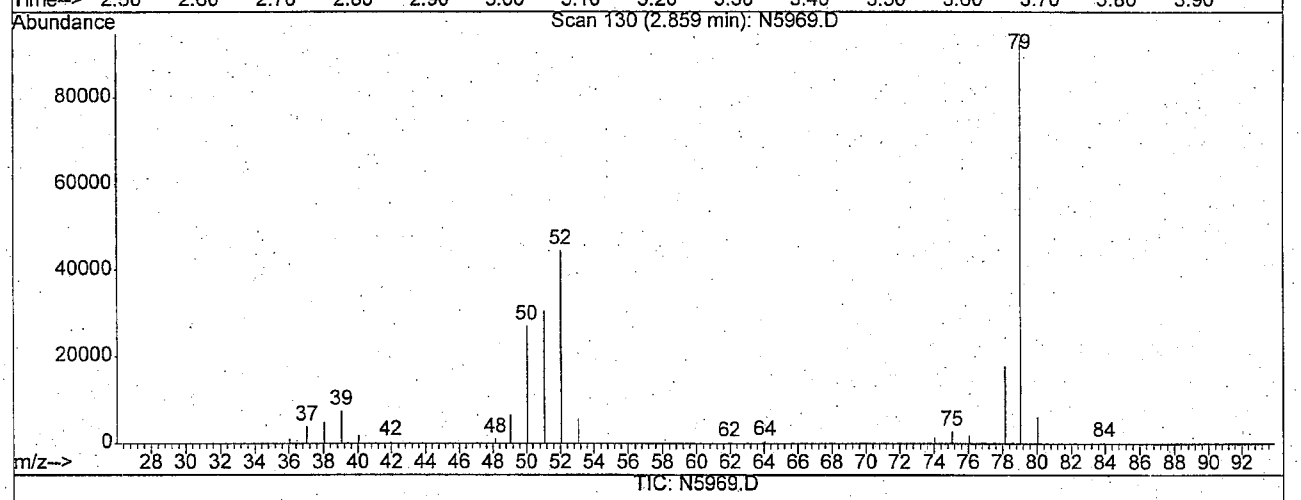
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5969.D
Acq On : 17 Jun 2005 12:07 pm
Sample : ICALSVSTD020
Misc : ST050518-5
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:31 2005

Vial: 6
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:25:43 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.86min 20.90ng/uL m

response 270122

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	43.34
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 6-20-05

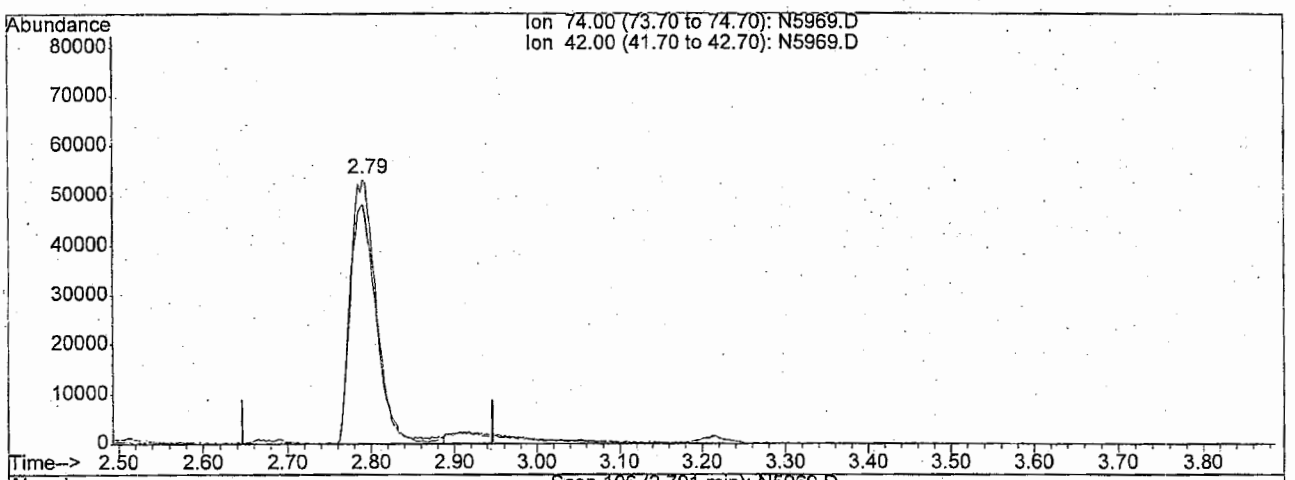
N5969.D 061705S1.M Fri Jun 17 12:31:07 2005

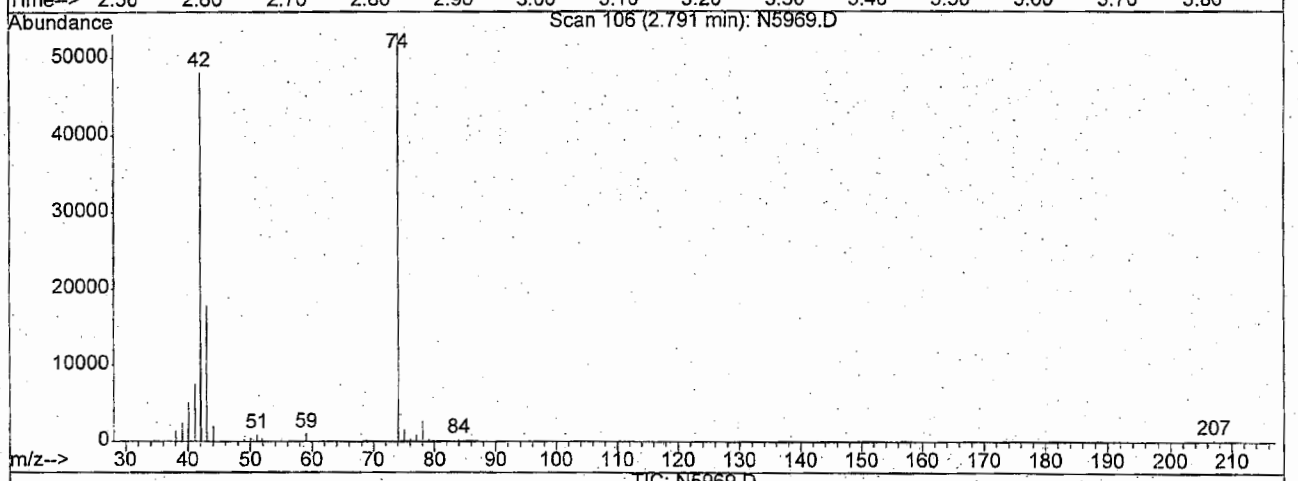
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5969.D
Acq On : 17 Jun 2005 12:07 pm
Sample : ICALSVSTD020
Misc : ST050518-5
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:31 2005

Vial: 6
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:25:43 2005
Response via : Multiple Level Calibration





TIC: N5969.D

(3) n-Nitrosodimethylamine (T)

2.79min 18.74ng/uL

response 117262

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	88.21
0.00	0.00	0.00
0.00	0.00	0.00

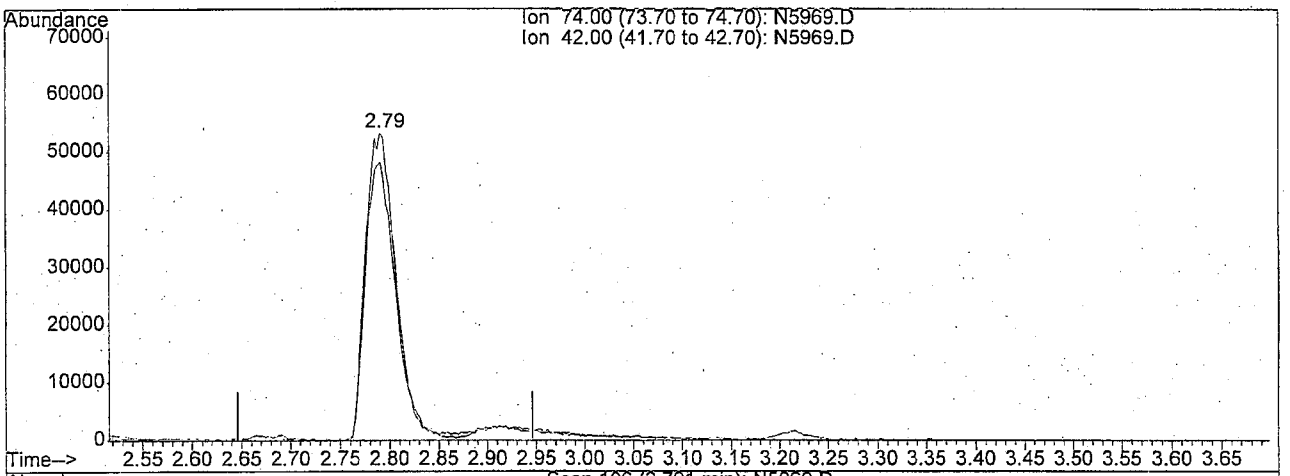
Before

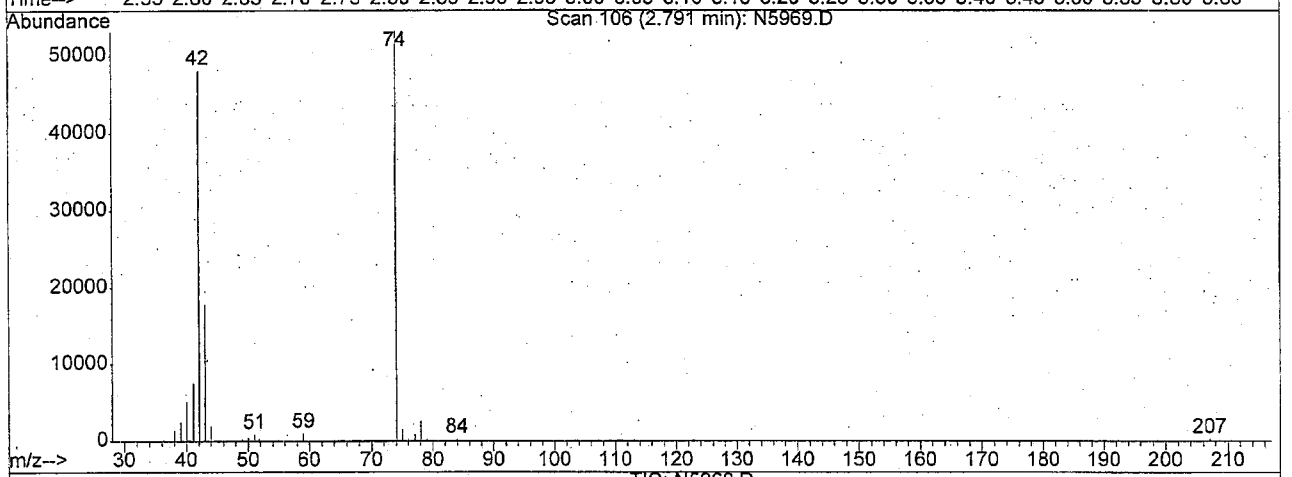
N5969.D 061705S1.M Fri Jun 17 12:31:38 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5969.D
Vial: 6
Acq On : 17 Jun 2005 12:07 pm
Operator: JOE K SOP
Sample : ICALSVSTD020
Inst : GC/MS Ins
Misc : ST050518-5
Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:32 2005
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:25:43 2005
Response via : Multiple Level Calibration





TIC: N5969.D

(3) n-Nitrosodimethylamine (T)

2.79min 21.02ng/uL m

response 131554

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	78.63
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JL *date* 6-20-05

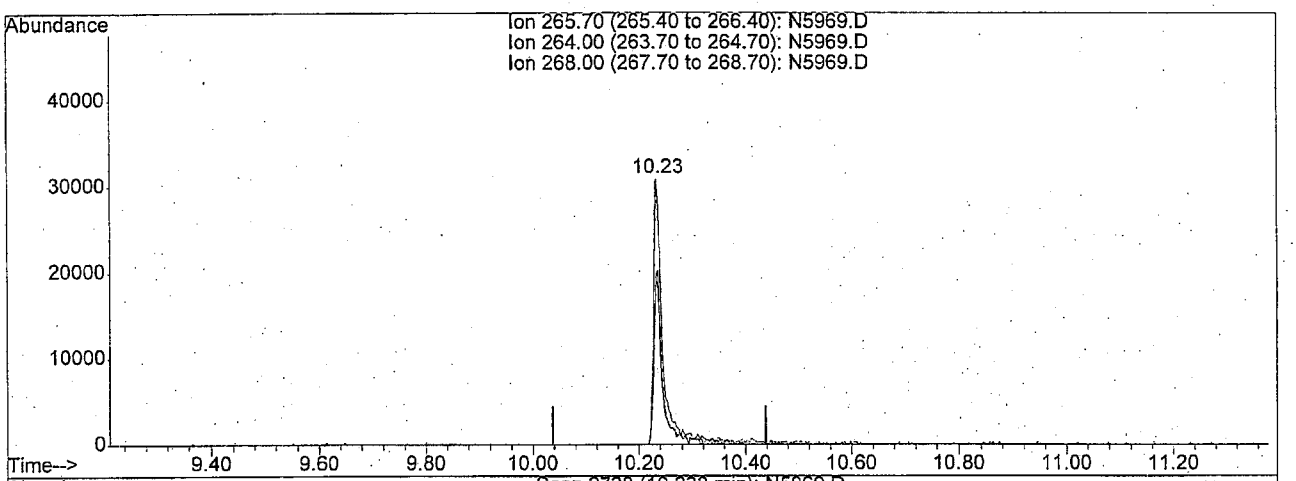
N5969.D 061705S1.M Fri Jun 17 12:34:00 2005

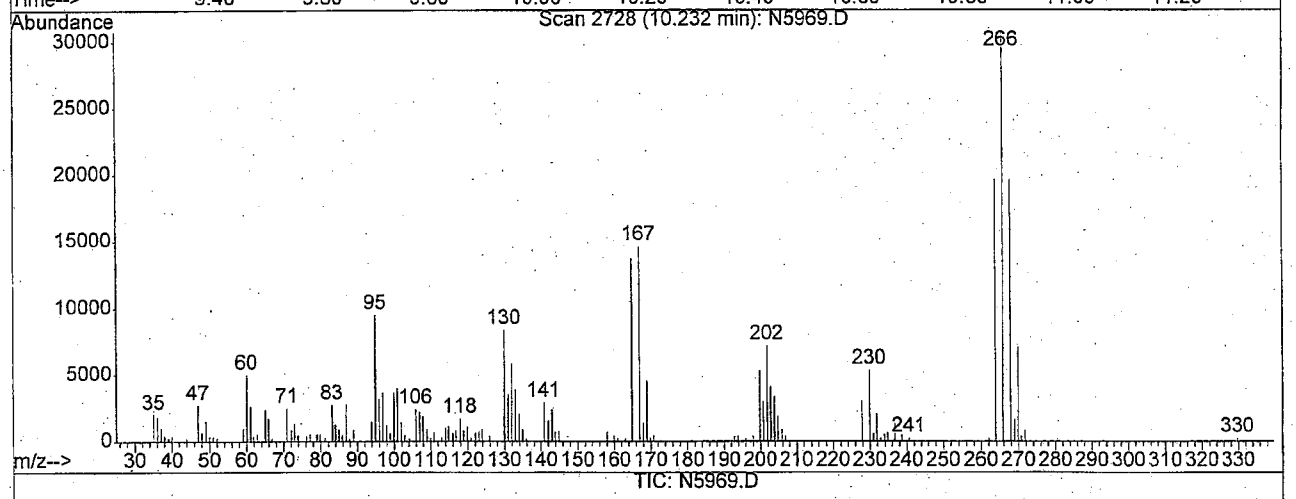
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5969.D
Acq On : 17 Jun 2005 12:07 pm
Sample : ICALSVSTD020
Misc : ST050518-5
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:32 2005

Vial: 6
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:25:43 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.23min 13.88ng/uL

response 37285

Ion	Exp%	Act%
265.70	100	100
264.00	59.90	58.45
268.00	60.50	59.07
0.00	0.00	0.00

Before

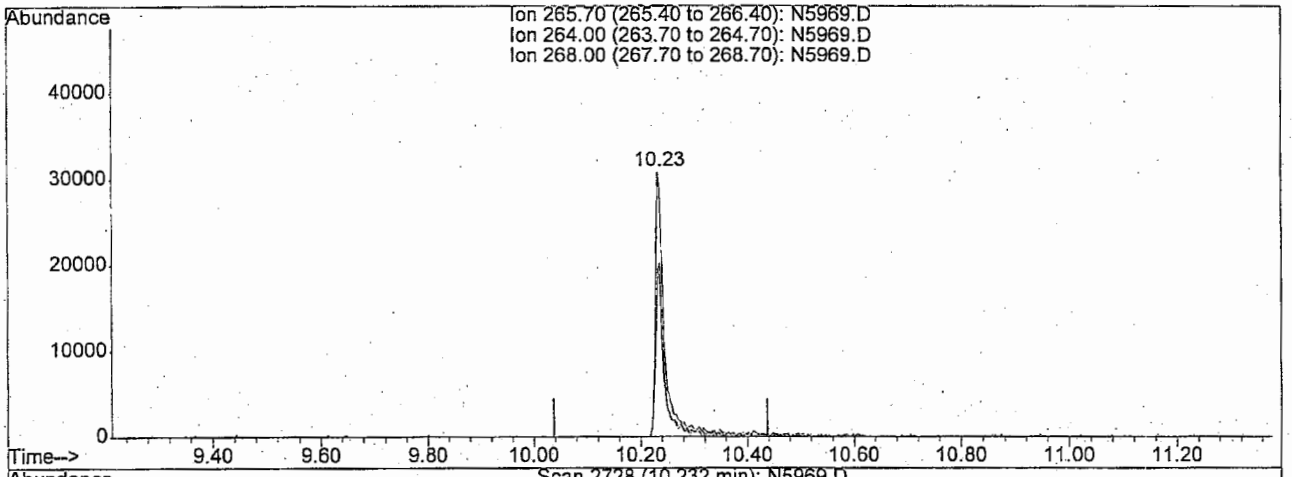
N5969.D 061705S1.M Fri Jun 17 12:34:37 2005

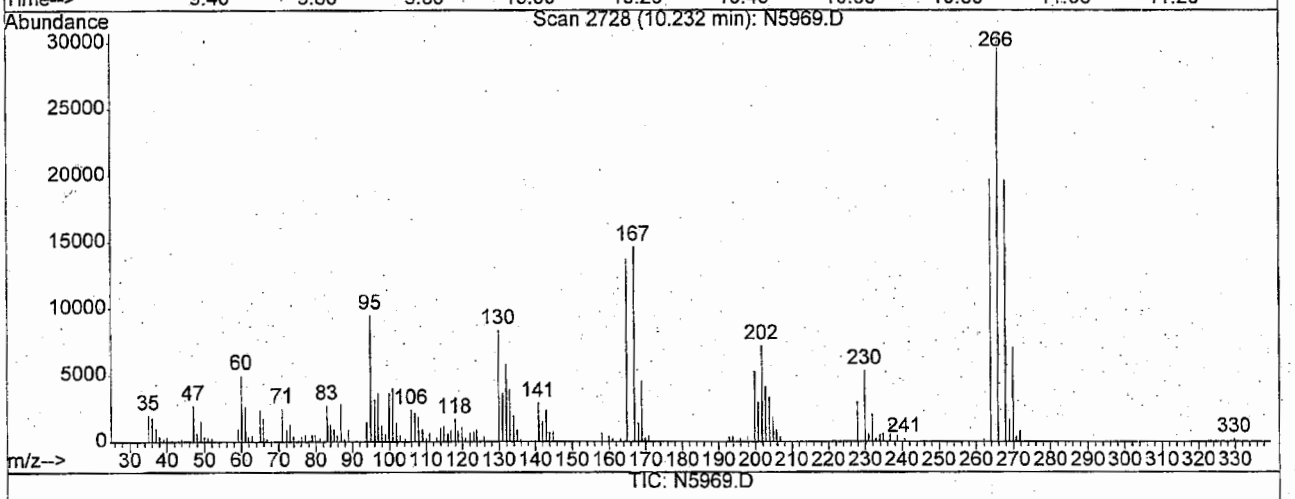
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5969.D
Acq On : 17 Jun 2005 12:07 pm
Sample : ICALSVSTD020
Misc : ST050518-5
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:34 2005

Vial: 6
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:25:43 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.23min 14.90ng/uL m

response 40042

Ion	Exp%	Act%
265.70	100	100
264.00	59.90	54.43
268.00	60.50	55.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 6-10-05

N5969.D 061705S1.M Fri Jun 17 12:34:42 2005

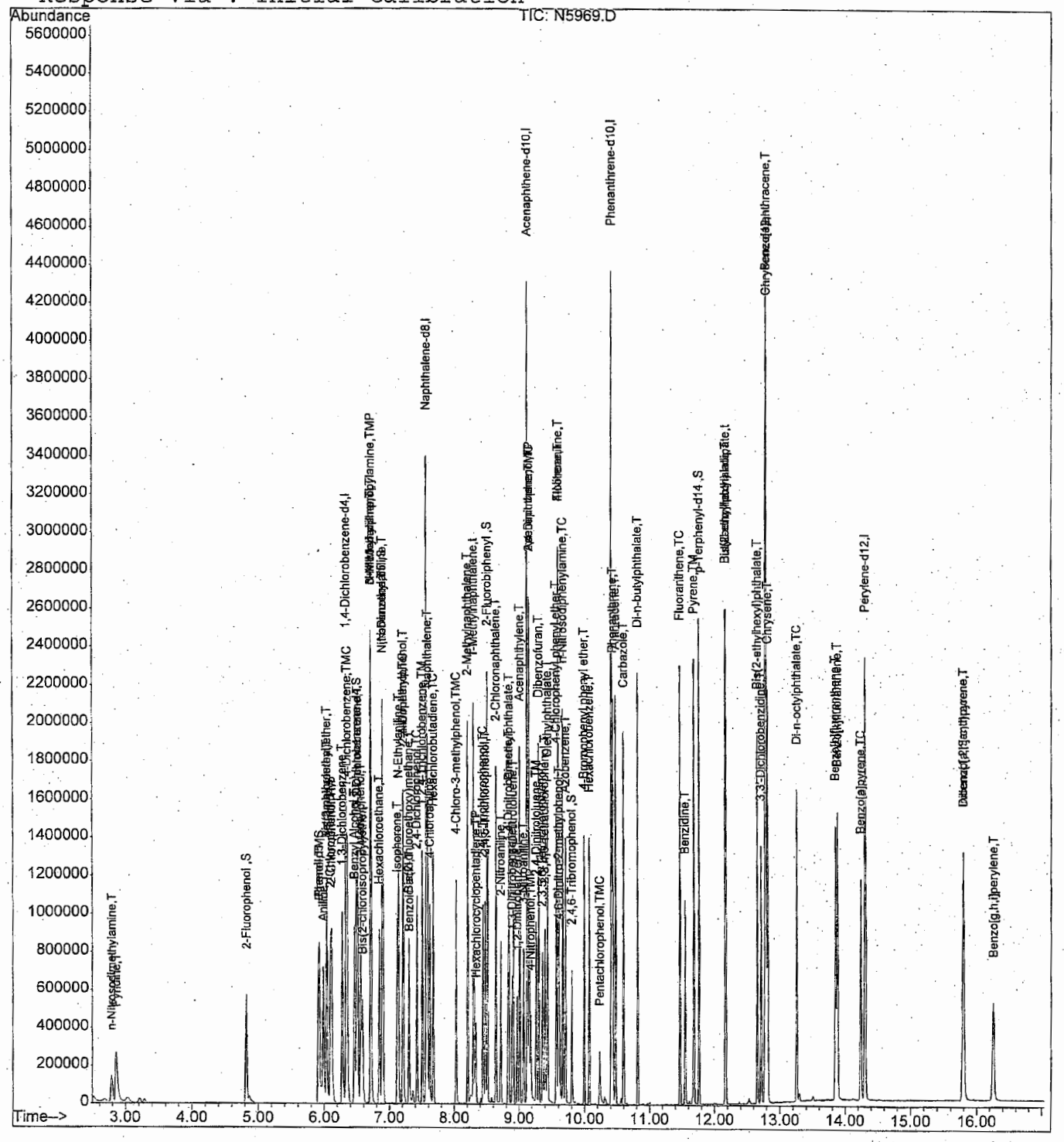
Quantitation Report

Data File : D:\HPCHEM\1\DATA\061705\N5969.D
Acq On : 17 Jun 2005 12:07 pm
Sample : ICALSVSTD020
Misc : ST050518-5
MS Integration Params: RTEINT.P
Quant Time: Jun 17 12:34 2005

Vial: 6
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:25:43 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5970.D
Acq On : 17 Jun 2005 12:31 pm
Sample : ICALSVSTD040
Misc : ST050518-6
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:03 2005

Vial: 7
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:47:39 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.33	152	457805	40.00	ng/uL	0.00
23) Naphthalene-d8	7.57	136	1625695	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.13	164	910229	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.42	188	1403786	40.00	ng/uL	0.00
79) Chrysene-d12	12.79	240	1351949	40.00	ng/uL	-0.01
90) Perylene-d12	14.31	264	744359	40.00	ng/uL	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	4.82	112	574315	39.97	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 53.29%			
5) 2-Chlorophenol-d4	6.10	132	650406	40.35	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 53.80%			
7) Phenol-d5	5.92	99	607319	39.76	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 53.01%			
14) 1,2-Dichlorobenzene-d4	6.49	152	413940	39.93	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 79.86%			
24) Nitrobenzene-d5	6.89	82	573346	41.21	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 82.42%			
45) 2-Fluorobiphenyl	8.51	172	1269305	40.03	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 80.06%			
67) 2,4,6-Tribromophenol	9.81	330	139233	42.93	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 57.24%			
82) p-Terphenyl-d14	11.77	244	1354242	40.54	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 81.08%			

Target Compounds						Qvalue
2) Pyridine	2.85	79	544157m	40.87	ng/uL	
3) n-Nitrosodimethylamine	2.79	74	264051m	41.15	ng/uL	
6) Aniline	5.99	93	705999	40.39	ng/uL	98
8) Phenol	5.93	94	575146	41.10	ng/uL	99
9) Tetramethylurea	6.06	72	836326	39.83	ng/uL	99
10) Bis(2-chloroethyl)ether	6.04	93	473690	40.76	ng/uL	98
11) 2-Chlorophenol	6.12	128	615403	41.05	ng/uL	99
12) 1,3-Dichlorobenzene	6.28	146	660879	40.54	ng/uL	99
13) 1,4-Dichlorobenzene	6.35	146	705623	40.72	ng/ul	99
15) 1,2-Dichlorobenzene	6.51	146	656581	41.10	ng/uL	99
16) Benzyl Alcohol	6.46	108	360321	41.22	ng/uL	99
17) Bis(2-chloroisopropyl)ethe	6.59	45	400346	40.50	ng/uL	97
18) 2-Methylphenol	6.56	107	456680	40.84	ng/uL	99
19) n-Nitroso-di-n-propylamine	6.72	70	386103	43.17	ng/uL	99
20) 3+4-Methylphenol	6.71	108	637654	42.79	ng/uL	99
21) N-Methylaniline	6.72	106	963083	41.82	ng/uL	98

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5970.D
Acq On : 17 Jun 2005 12:31 pm
Sample : ICALSVSTD040
Misc : ST050518-6
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:03 2005

Vial: 7
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:47:39 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
22)	Hexachloroethane	6.84	117	251845	41.36	ng/uL	98
25)	N,N-Dimethylaniline	6.90	120	964418	41.24	ng/uL	98
26)	Nitrobenzene	6.91	77	753561	41.73	ng/uL	100
27)	Isophorone	7.13	82	881992	41.26	ng/uL	100
28)	N-Ethylaniline	7.15	106	1082338	40.40	ng/uL	99
29)	2-Nitrophenol	7.21	139	310873	44.14	ng/uL	99
30)	2,4-Dimethylphenol	7.22	107	562074	41.82	ng/uL	99
31)	Bis(2-chloroethoxy)methane	7.30	93	556230	40.80	ng/uL	99
32)	2,4-Dichlorophenol	7.43	162	472965	41.71	ng/uL	99
33)	Benzoic acid	7.33	105	145773	42.30	ng/uL	98
34)	1,2,4-Trichlorobenzene	7.51	180	517081	41.11	ng/uL	99
35)	Naphthalene	7.59	128	1727470	40.93	ng/uL	100
36)	4-Chloroaniline	7.63	127	684612	41.49	ng/uL	99
37)	Hexachlorobutadiene	7.68	225	294217	41.12	ng/uL	99
38)	4-Chloro-3-methylphenol	8.03	107	440766	41.69	ng/uL	99
39)	2-Methylnaphthalene	8.21	142	1137797	41.55	ng/uL	99
41)	1-Methylnaphthalene	8.30	142	1128350	41.15	ng/uL	100
42)	Hexachlorocyclopentadiene	8.33	237	149502	56.30	ng/uL	99
43)	2,4,6-Trichlorophenol	8.45	196	290557	43.25	ng/uL	99
44)	2,4,5-Trichlorophenol	8.48	196	333444	43.51	ng/uL	98
46)	2-Chloronaphthalene	8.64	162	1053242	41.01	ng/uL	99
47)	2-Nitroaniline	8.72	65	243189	43.42	ng/uL	98
48)	1,4-Dinitrobenzene	8.83	168	172683	44.26	ng/uL	100
49)	Dimethylphthalate	8.85	163	1092007	39.87	ng/uL	100
50)	1,3-Dinitrobenzene	8.90	168	183484	42.32	ng/uL	98
51)	2,6-Dinitrotoluene	8.92	165	261120	41.68	ng/uL	97
52)	1,2-Dinitrobenzene	8.98	168	117983	40.90	ng/uL	97
53)	Acenaphthylene	9.01	152	1669711	41.41	ng/uL	100
54)	3-Nitroaniline	9.08	138	262819	41.21	ng/uL	100
55)	Acenaphthene	9.16	154	1084147	42.65	ng/uL	99
56)	2,4-Dinitrophenol	9.16	184	105970	41.28	ng/uL	62
57)	4-Nitrophenol	9.19	109	117484	39.83	ng/uL	96
58)	Dibenzofuran	9.31	168	1411796	41.23	ng/uL	99
59)	2,4-Dinitrotoluene	9.27	165	325045	42.04	ng/uL	100
60)	2,3,5,6-Tetrachlorophenol	9.36	232	214253	47.00	ng/uL	98
61)	2,3,4,6-Tetrachlorophenol	9.40	232	257841	44.69	ng/uL	97
62)	Diethylphthalate	9.44	149	1097783	41.18	ng/uL	100
63)	Fluorene	9.60	166	1179319	41.77	ng/uL	100
64)	4-Chlorophenyl phenyl ethe	9.57	204	526051	41.97	ng/uL	98
65)	4-Nitroaniline	9.61	138	303018	44.71	ng/uL	99
66)	Azobenzene	9.71	77	909379	41.04	ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5970.D
Acq On : 17 Jun 2005 12:31 pm
Sample : ICALSVSTD040
Misc : ST050518-6
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:03 2005

Vial: 7
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 12:47:39 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.62	198	169442	41.07 ng/uL	99
70)	n-Nitrosodiphenylamine	9.67	169	961285	40.89 ng/uL	99
71)	4-Bromophenyl phenyl ether	10.00	248	310176	41.51 ng/uL	98
72)	Hexachlorobenzene	10.07	284	333148	41.40 ng/uL	97
73)	Pentachlorophenol	10.24	266	109743m	40.74 ng/uL	
74)	Phenanthrene	10.43	178	1552576	40.86 ng/uL	100
75)	Anthracene	10.48	178	1641368	42.20 ng/uL	99
76)	Carbazole	10.60	167	1481793	41.40 ng/uL	99
77)	Di-n-butylphthalate	10.82	149	1914841	41.50 ng/uL	99
78)	Fluoranthene	11.47	202	1715540	41.69 ng/uL	99
80)	Benzidine	11.55	184	808553	40.76 ng/uL	99
81)	Pyrene	11.69	202	1778778	39.95 ng/uL	99
83)	Butylbenzylphthalate	12.17	149	864857	41.44 ng/uL	99
84)	Bis(2-ethylhexyl) adipate	12.17	129	741666	42.07 ng/uL	99
85)	Benzo[a]anthracene	12.78	228	1675441	40.39 ng/uL	100
86)	3,3'-Dichlorobenzidine	12.72	252	550538	43.42 ng/uL	99
87)	Chrysene	12.82	228	1518125	40.85 ng/uL	100
88)	Bis(2-ethylhexyl)phthalate	12.65	149	1050613	40.71 ng/uL	99
89)	Di-n-octylphthalate	13.26	149	1586193	41.77 ng/uL	100
91)	Benzo[b]fluoranthene	13.85	252	1231838	42.51 ng/uL	100
92)	Benzo[k]fluoranthene	13.88	252	1257476	45.07 ng/uL	100
93)	Benzo[a]pyrene	14.24	252	1057554	43.16 ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.80	276	787067	36.82 ng/uL	99
95)	Dibenzo[a,h]anthracene	15.79	278	673821	37.71 ng/uL	99
96)	Benzo[g,h,i]perylene	16.25	276	520200	32.82 ng/uL	99

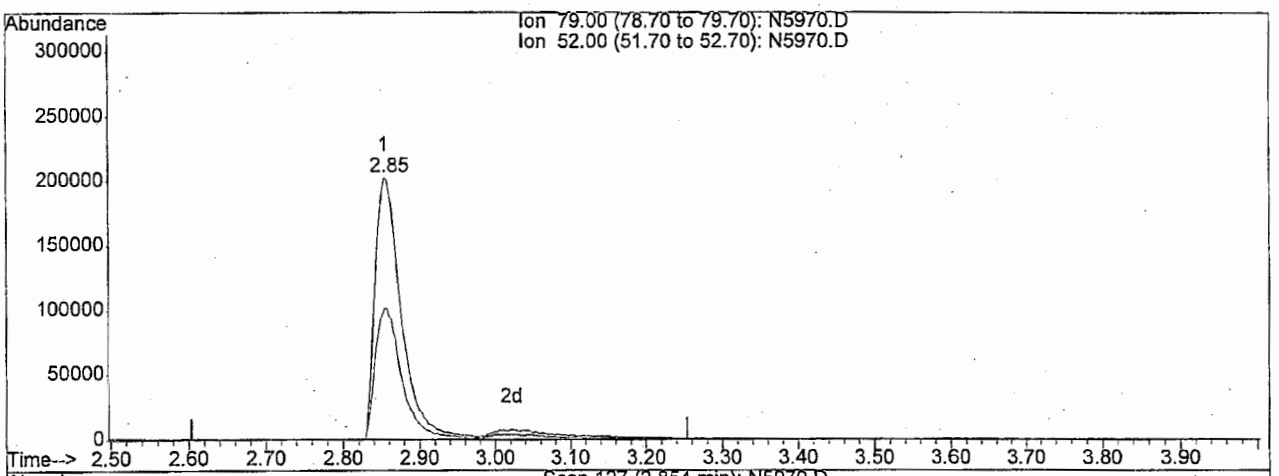
(#) = qualifier out of range (m) = manual integration

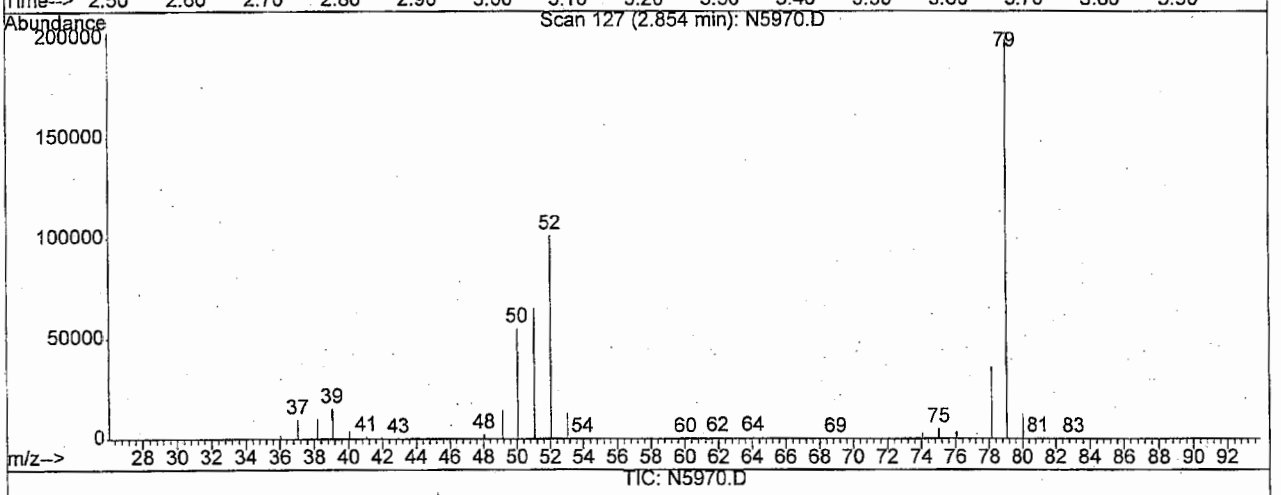
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5970.D
Acq On : 17 Jun 2005 12:31 pm
Sample : ICALSVSTD040
Misc : ST050518-6
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:01 2005

Vial: 7
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:01:57 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.85min 36.31ng/uL

response 483488

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	50.75
0.00	0.00	0.00
0.00	0.00	0.00

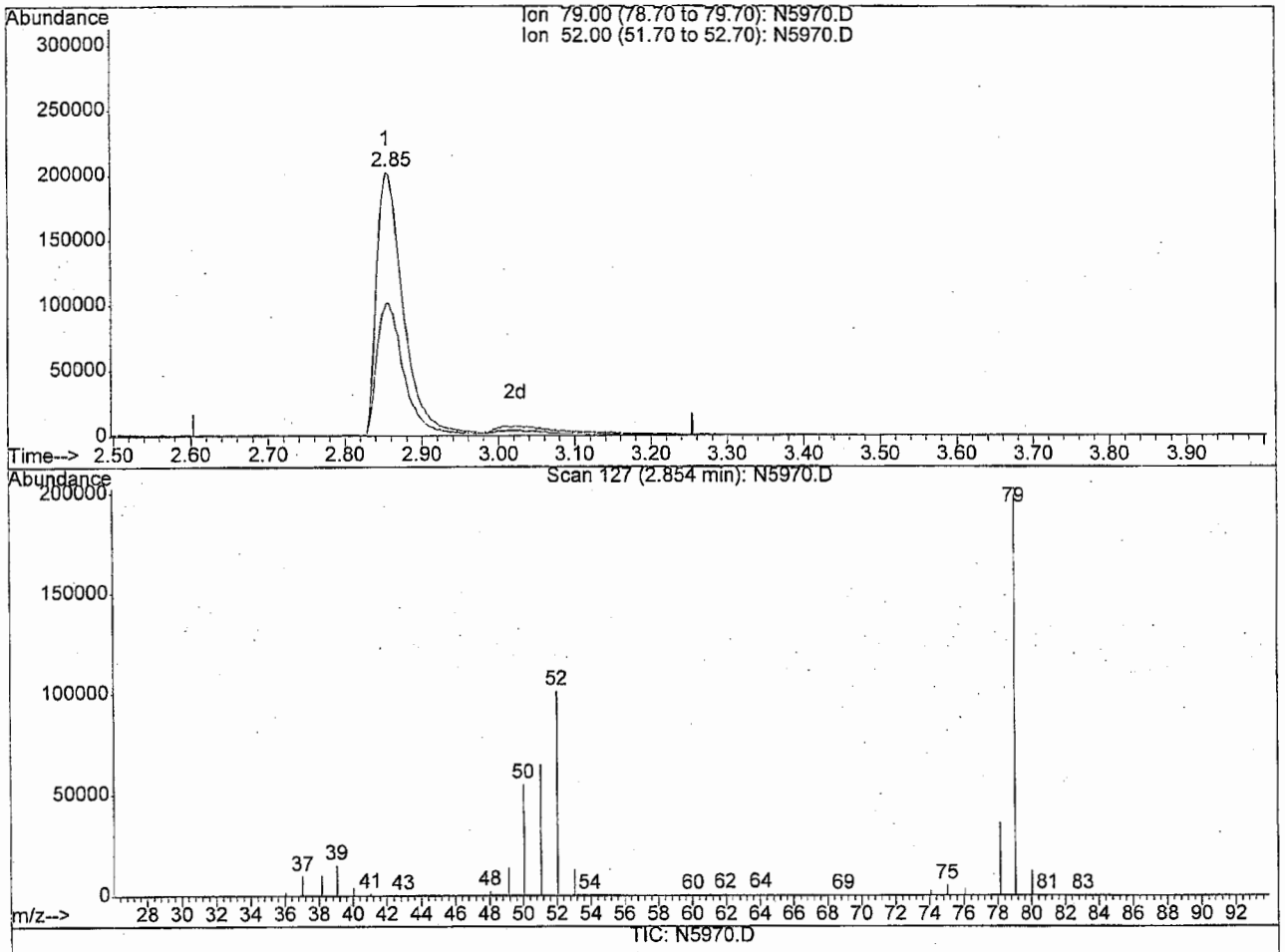
Before

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5970.D
Acq On : 17 Jun 2005 12:31 pm
Sample : ICALSVSTD040
Misc : ST050518-6
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:02 2005

Vial: 7
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:01:57 2005
Response via : Multiple Level Calibration



(2) Pyridine (T)

2.85min 40.87ng/uL m

response 544157

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	45.09
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

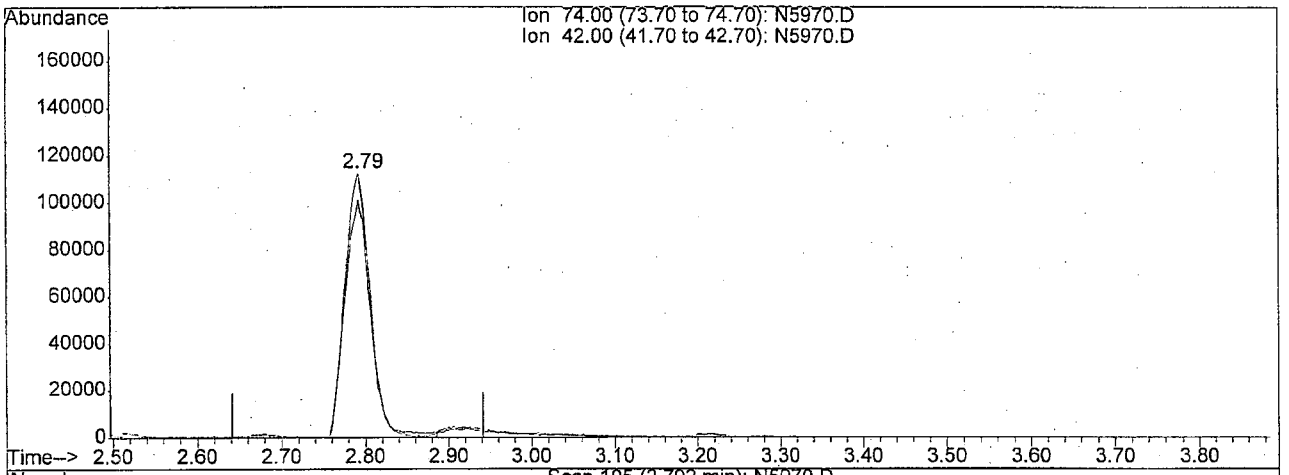
initials JK *date* 6-20-05

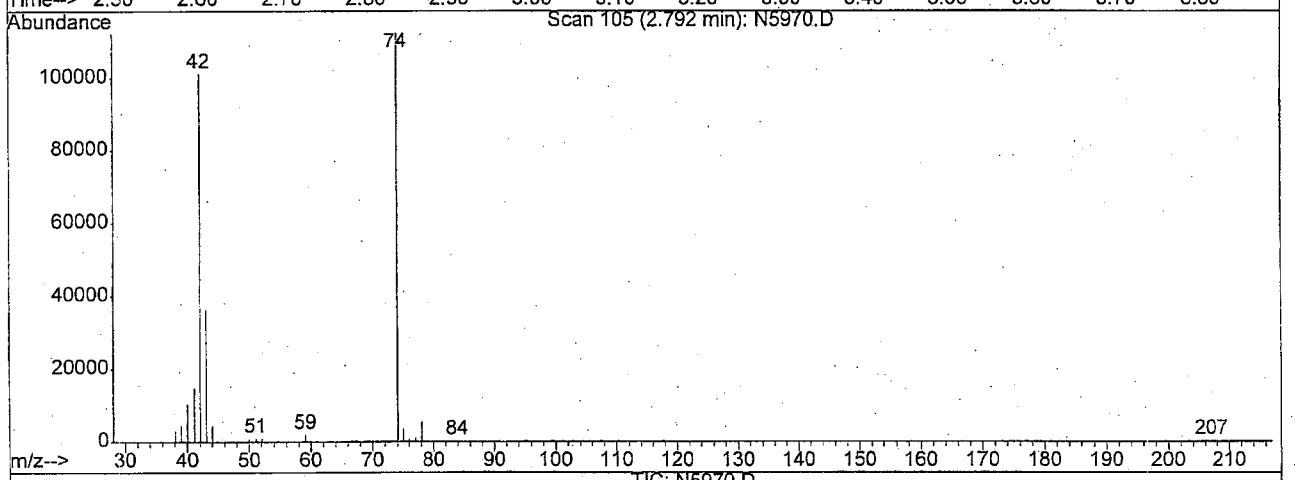
N5970.D 061705S1.M Fri Jun 17 13:02:12 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5970.D Vial: 7
Acq On : 17 Jun 2005 12:31 pm Operator: JOE K SOP
Sample : ICALSVSTD040 Inst : GC/MS Ins
Misc : ST050518-6 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:02 2005 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:01:57 2005
Response via : Multiple Level Calibration





TIC: N5970.D

(3) n-Nitrosodimethylamine (T)

2.79min 36.66ng/uL

response 235224

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	89.84
0.00	0.00	0.00
0.00	0.00	0.00

Before

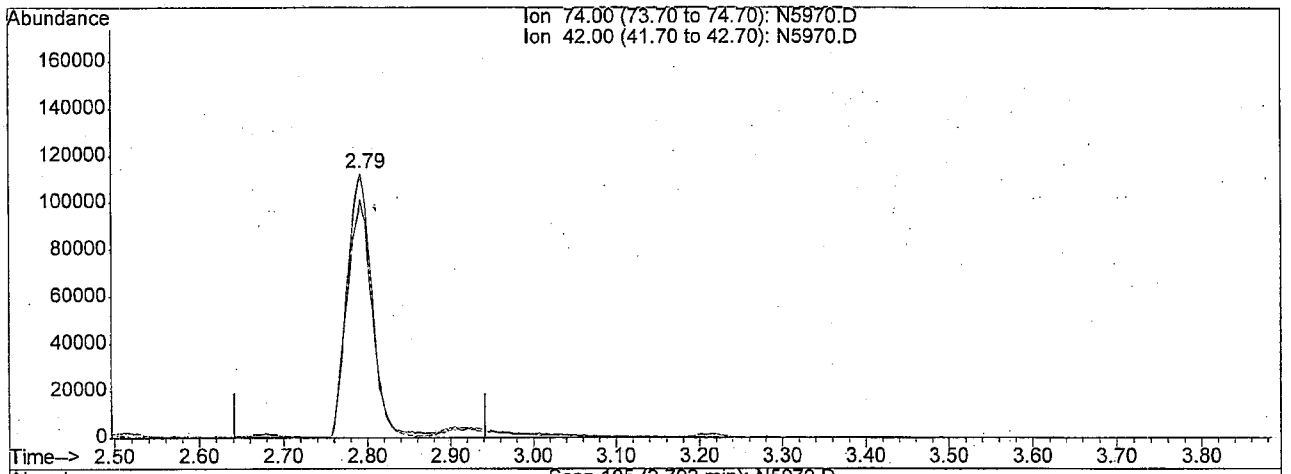
N5970.D 061705S1.M Fri Jun 17 13:02:16 2005

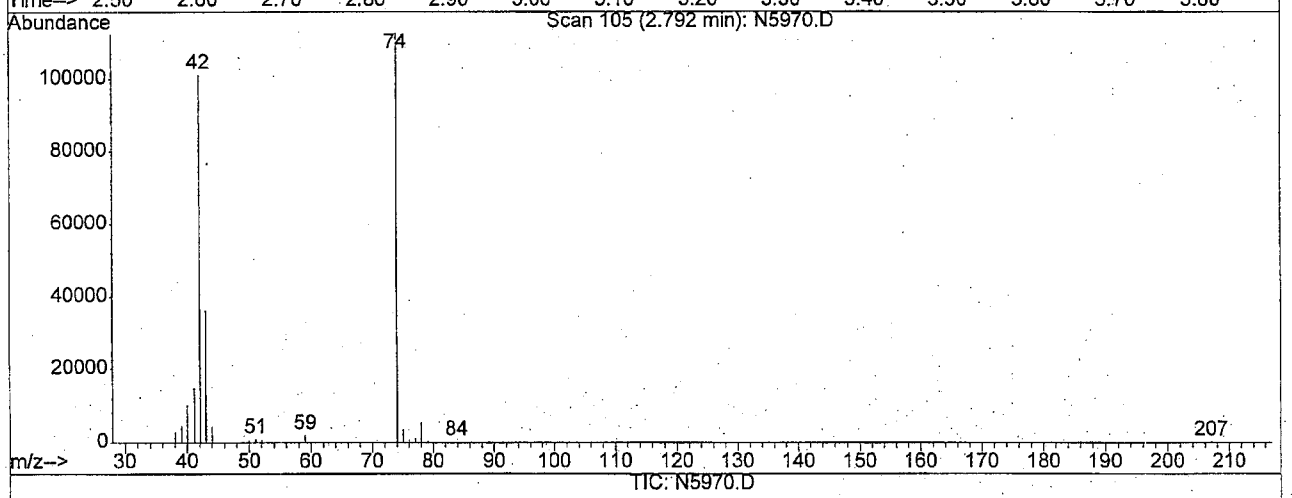
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5970.D
Acq On : 17 Jun 2005 12:31 pm
Sample : ICALSVSTD040
Misc : ST050518-6
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:02 2005

Vial: 7
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:01:57 2005
Response via : Multiple Level Calibration





TIC: N5970.D

(3) n-Nitrosodimethylamine (T)

2.79min 41.15ng/uL m

response 264051

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	80.03
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials YC *date* 6-20-05

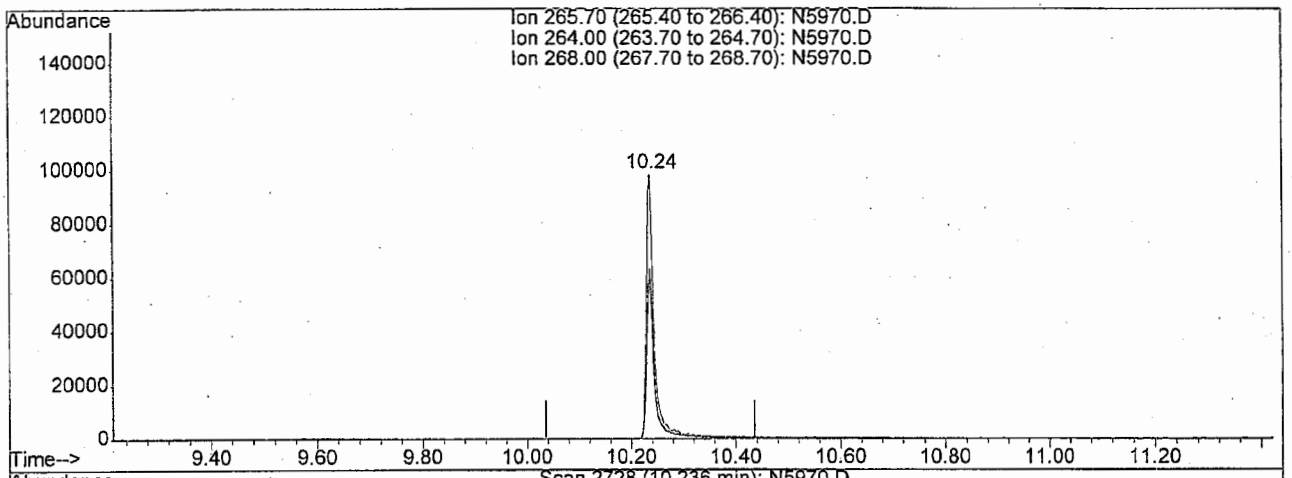
N5970.D 061705S1.M Fri Jun 17 13:02:20 2005

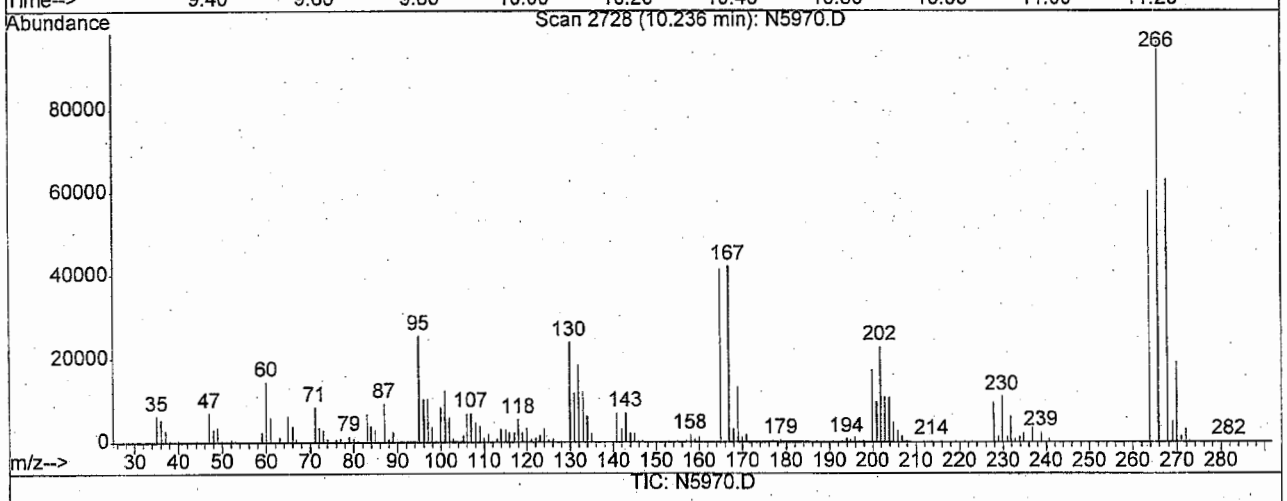
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5970.D
Acq On : 17 Jun 2005 12:31 pm
Sample : ICALSVSTD040
Misc : ST050518-6
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:02 2005

Vial: 7
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:01:57 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.24min 38.31ng/uL

response 103190

Ion	Exp%	Act%
265.70	100	100
264.00	59.90	62.47
268.00	60.50	61.23
0.00	0.00	0.00

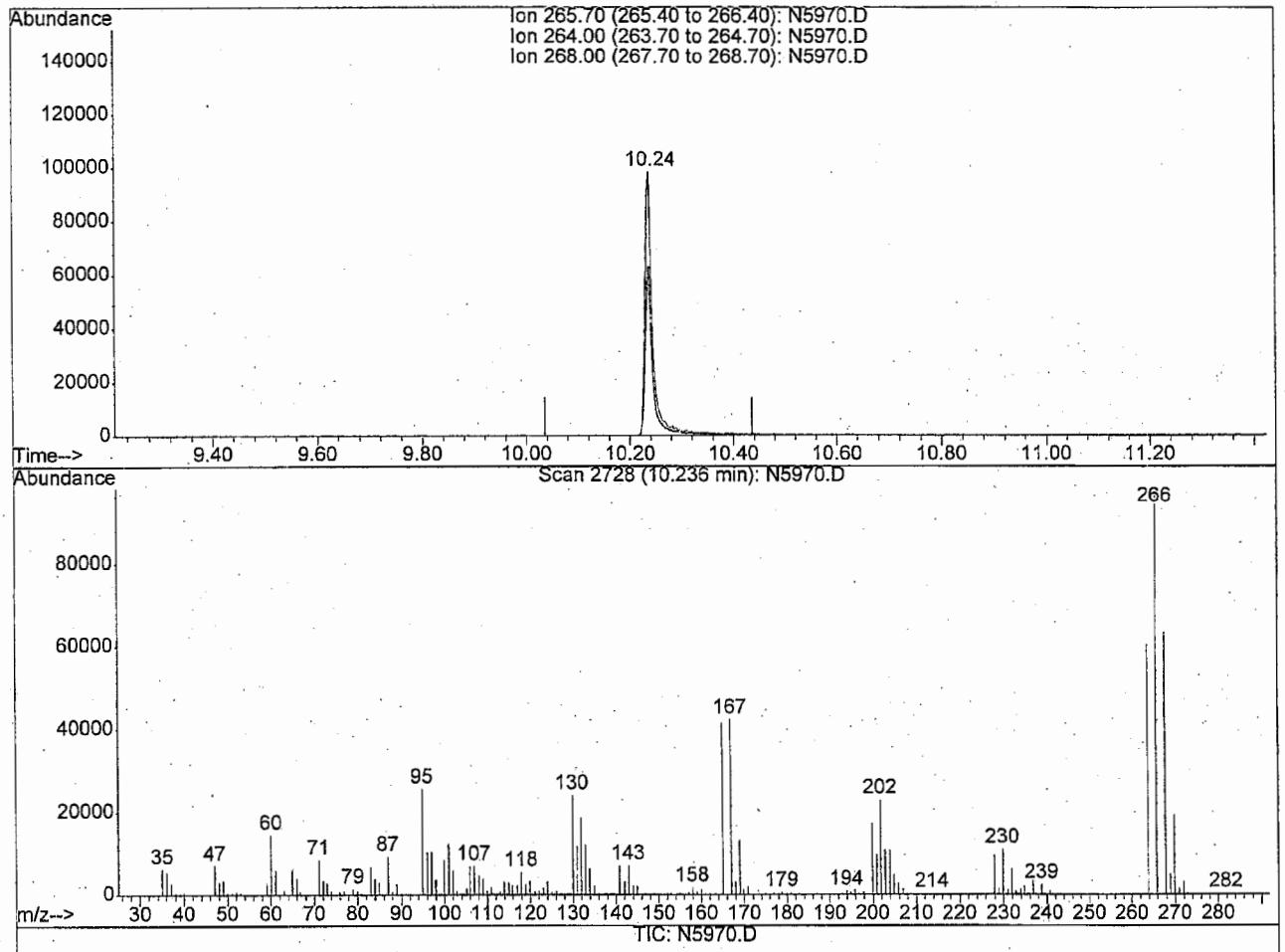
Before

N5970.D 061705S1.M Fri Jun 17 13:03:01 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5970.D Vial: 7
Acq On : 17 Jun 2005 12:31 pm Operator: JOE K SOP
Sample : ICALSVSTD040 Inst : GC/MS Ins
Misc : ST050518-6 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:03 2005 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:01:57 2005
Response via : Multiple Level Calibration



(73) Pentachlorophenol (TMC)

10.24min 40.74ng/uL m

response 109743

Ion	Exp%	Act%
265.70	100	100
264.00	59.90	58.74
268.00	60.50	57.58
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials gc *date* 6-20-05

N5970.D 061705S1.M Fri Jun 17 13:03:06 2005

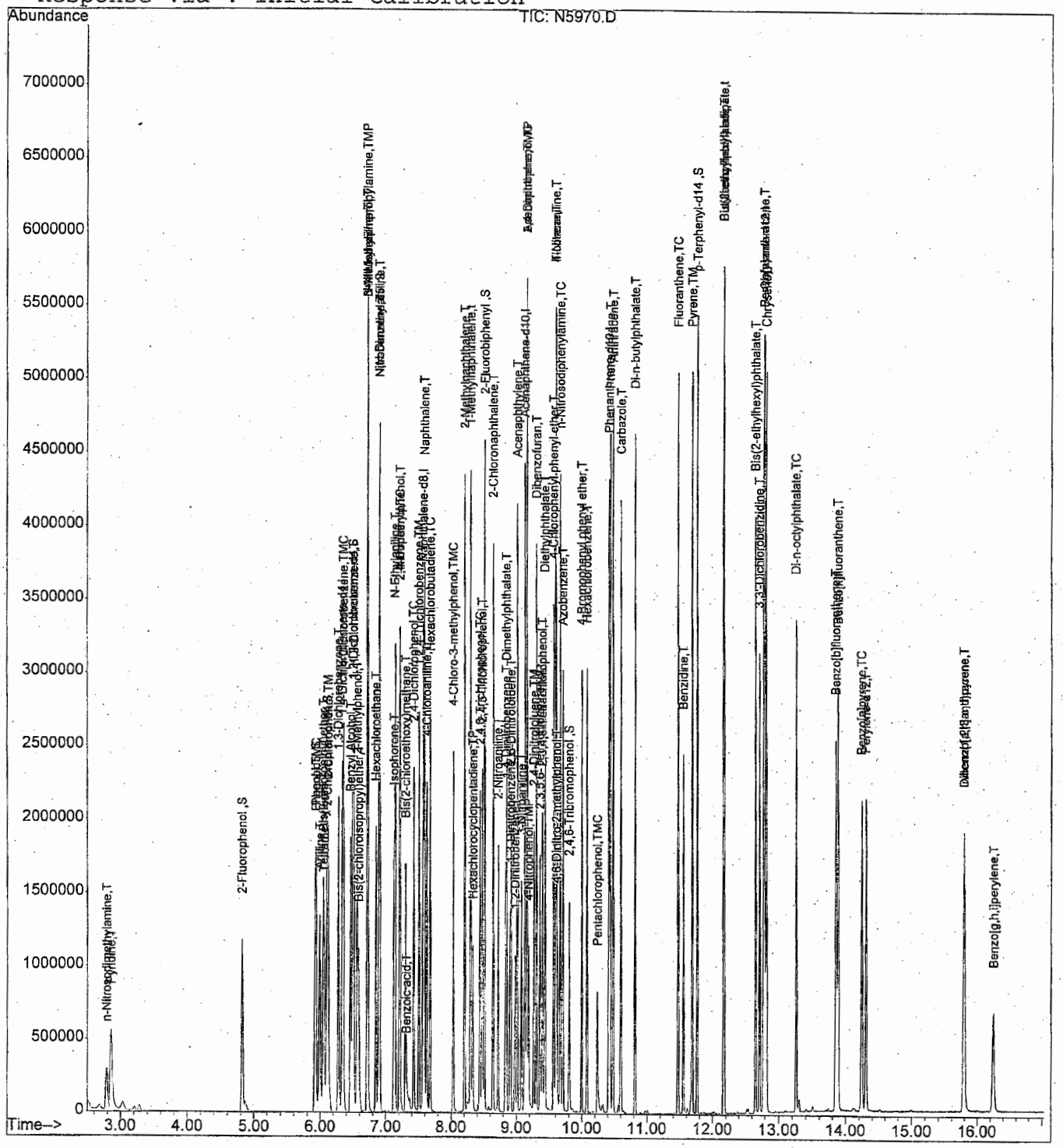
Quantitation Report

Data File : D:\HPCHEM\1\DATA\061705\N5970.D
Acq On : 17 Jun 2005 12:31 pm
Sample : ICALSVSTD040
Misc : ST050518-6
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:03 2005

Vial: 7
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:01:57 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5971.D
Acq On : 17 Jun 2005 12:56 pm
Sample : ICALSVSTD080
Misc : ST050518-8
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:18 2005

Vial: 8
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:16:41 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	467414	40.00 ng/uL	0.00
23) Naphthalene-d8	7.57	136	1615175	40.00 ng/uL	0.00
40) Acenaphthene-d10	9.13	164	877677	40.00 ng/uL	0.00
68) Phenanthrene-d10	10.41	188	1339589	40.00 ng/uL	0.00
79) Chrysene-d12	12.80	240	1245979	40.00 ng/uL	0.00
90) Perylene-d12	14.31	264	571352	40.00 ng/uL	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.83	112	1188336m	82.80 ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 110.40%#		
5) 2-Chlorophenol-d4	6.11	132	1417551	85.05 ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 113.40%#		
7) Phenol-d5	5.93	99	1307092	83.15 ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 110.87%#		
14) 1,2-Dichlorobenzene-d4	6.50	152	918916	85.61 ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 171.22%#		
24) Nitrobenzene-d5	6.90	82	1239429	87.89 ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 175.78%#		
45) 2-Fluorobiphenyl	8.52	172	2777682	88.84 ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 177.68%#		
67) 2,4,6-Tribromophenol	9.81	330	335217	101.44 ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 135.25%#		
82) p-Terphenyl-d14	11.77	244	3058951	95.30 ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 190.60%#		

Target Compounds					Qvalue
2) Pyridine	2.86	79	1087772m	80.73 ng/uL	
3) n-Nitrosodimethylamine	2.81	74	534947m	82.26 ng/uL	
6) Aniline	6.00	93	1432900	80.24 ng/uL	99
8) Phenol	5.94	94	1236625	85.39 ng/uL	99
9) Tetramethylurea	6.08	72	1732819	80.69 ng/uL	99
10) Bis(2-chloroethyl)ether	6.05	93	933483	78.90 ng/uL	98
11) 2-Chlorophenol	6.13	128	1291900	83.63 ng/uL	100
12) 1,3-Dichlorobenzene	6.28	146	1364839	81.66 ng/uL	99
13) 1,4-Dichlorobenzene	6.35	146	1460261	82.11 ng/ul	100
15) 1,2-Dichlorobenzene	6.51	146	1394288	84.51 ng/uL	99
16) Benzyl Alcohol	6.47	108	736245	82.07 ng/uL	99
17) Bis(2-chloroisopropyl)ethe	6.59	45	863309	84.56 ng/uL	100
18) 2-Methylphenol	6.57	107	944140	82.24 ng/uL	100
19) n-Nitroso-di-n-propylamine	6.73	70	841730	89.89 ng/uL	100
20) 3+4-Methylphenol	6.73	108	1426138	91.12 ng/uL	99
21) N-Methylaniline	6.73	106	2183741	90.45 ng/uL	100

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

103 SK 6-20-05

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5971.D
Acq On : 17 Jun 2005 12:56 pm
Sample : ICALSVSTD080
Misc : ST050518-8
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:18 2005

Vial: 8
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:16:41 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.85	117	515712	82.45 ng/uL	100
25) N,N-Dimethylaniline	6.90	120	2156622	90.41 ng/uL	99
26) Nitrobenzene	6.92	77	1608217	87.87 ng/uL	100
27) Isophorone	7.14	82	1845954	85.67 ng/uL	99
28) N-Ethylaniline	7.15	106	2379510	87.69 ng/uL	100
29) 2-Nitrophenol	7.21	139	624570	87.57 ng/uL	99
30) 2,4-Dimethylphenol	7.22	107	1172380	86.39 ng/uL	99
31) Bis(2-chloroethoxy)methane	7.31	93	1129166	82.78 ng/uL	100
32) 2,4-Dichlorophenol	7.43	162	977755	85.58 ng/uL	100
33) Benzoic acid	7.35	105	350986	95.78 ng/uL	99
34) 1,2,4-Trichlorobenzene	7.51	180	1086050	85.68 ng/uL	100
35) Naphthalene	7.59	128	3537794	83.61 ng/uL	99
36) 4-Chloroaniline	7.63	127	1387634	83.83 ng/uL	100
37) Hexachlorobutadiene	7.68	225	623869	86.37 ng/uL	99
38) 4-Chloro-3-methylphenol	8.04	107	910194	85.47 ng/uL	99
39) 2-Methylnaphthalene	8.21	142	2348293	85.20 ng/uL	100
41) 1-Methylnaphthalene	8.30	142	2339592	86.96 ng/uL	100
42) Hexachlorocyclopentadiene	8.33	237	381244	130.21 ng/uL	99
43) 2,4,6-Trichlorophenol	8.45	196	618188	92.46 ng/uL	100
44) 2,4,5-Trichlorophenol	8.48	196	692291	91.09 ng/uL	98
46) 2-Chloronaphthalene	8.65	162	2216335	87.75 ng/uL	100
47) 2-Nitroaniline	8.73	65	472480	86.14 ng/uL	100
48) 1,4-Dinitrobenzene	8.84	168	353841	91.37 ng/uL	100
49) Dimethylphthalate	8.86	163	2279166	85.18 ng/uL	100
50) 1,3-Dinitrobenzene	8.91	168	375725	88.07 ng/uL	99
51) 2,6-Dinitrotoluene	8.92	165	545414	88.39 ng/uL	100
52) 1,2-Dinitrobenzene	8.99	168	241364	85.56 ng/uL	98
53) Acenaphthylene	9.02	152	3420926	86.54 ng/uL	99
54) 3-Nitroaniline	9.09	138	532471	85.42 ng/uL	99
55) Acenaphthene	9.16	154	2323483	91.95 ng/uL	100
56) 2,4-Dinitrophenol	9.17	184	274737	101.20 ng/uL	97
57) 4-Nitrophenol	9.19	109	237442	82.58 ng/uL	99
58) Dibenzofuran	9.31	168	2877628	85.88 ng/uL	100
59) 2,4-Dinitrotoluene	9.28	165	662774	87.28 ng/uL	98
60) 2,3,5,6-Tetrachlorophenol	9.36	232	452819	98.30 ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	9.40	232	525864	91.74 ng/uL	98
62) Diethylphthalate	9.44	149	2293790	87.55 ng/uL	99
63) Fluorene	9.61	166	2443008	87.96 ng/uL	100
64) 4-Chlorophenyl phenyl ethe	9.57	204	1106844	89.42 ng/uL	99
65) 4-Nitroaniline	9.62	138	574570	86.50 ng/uL	99
66) Azobenzene	9.71	77	1869178	86.14 ng/uL	100

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5971.D
Acq On : 17 Jun 2005 12:56 pm
Sample : ICALSVSTD080
Misc : ST050518-8
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:18 2005

Vial: 8
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:16:41 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.63	198	372386	90.46 ng/uL	97
70)	n-Nitrosodiphenylamine	9.68	169	2028115	88.48 ng/uL	99
71)	4-Bromophenyl phenyl ether	10.00	248	680004	92.40 ng/uL	99
72)	Hexachlorobenzene	10.08	284	739968	93.19 ng/uL	99
73)	Pentachlorophenol	10.24	266	253501m	92.93 ng/uL	
74)	Phenanthrene	10.44	178	3243928	87.73 ng/uL	99
75)	Anthracene	10.48	178	3365479	88.70 ng/uL	99
76)	Carbazole	10.60	167	2904781	84.16 ng/uL	99
77)	Di-n-butylphthalate	10.82	149	3829862	85.74 ng/uL	100
78)	Fluoranthene	11.48	202	3544266	88.36 ng/uL	100
80)	Benzidine	11.56	184	1644177	87.84 ng/uL	100
81)	Pyrene	11.69	202	3689359	88.11 ng/uL	99
83)	Butylbenzylphthalate	12.17	149	1738175	87.94 ng/uL	99
84)	Bis(2-ethylhexyl) adipate	12.18	129	1593864	93.75 ng/uL	100
85)	Benzo[a]anthracene	12.78	228	3181720	82.54 ng/uL	100
86)	3,3'-Dichlorobenzidine	12.72	252	983906	82.31 ng/uL	99
87)	Chrysene	12.82	228	2931000	84.30 ng/uL	100
88)	Bis(2-ethylhexyl)phthalate	12.66	149	2156111	88.43 ng/uL	100
89)	Di-n-octylphthalate	13.26	149	3108221	86.58 ng/uL	100
91)	Benzo[b]fluoranthene	13.86	252	2216218	94.77 ng/uL	99
92)	Benzo[k]fluoranthene	13.89	252	2241011	97.58 ng/uL	100
93)	Benzo[a]pyrene	14.25	252	1788312	91.02 ng/uL	100
94)	Indeno(1,2,3-c,d)pyrene	15.80	276	1129734	71.47 ng/uL	100
95)	Dibenzo[a,h]anthracene	15.80	278	983203	73.67 ng/uL	100
96)	Benzo[g,h,i]perylene	16.26	276	749258	66.14 ng/uL	100

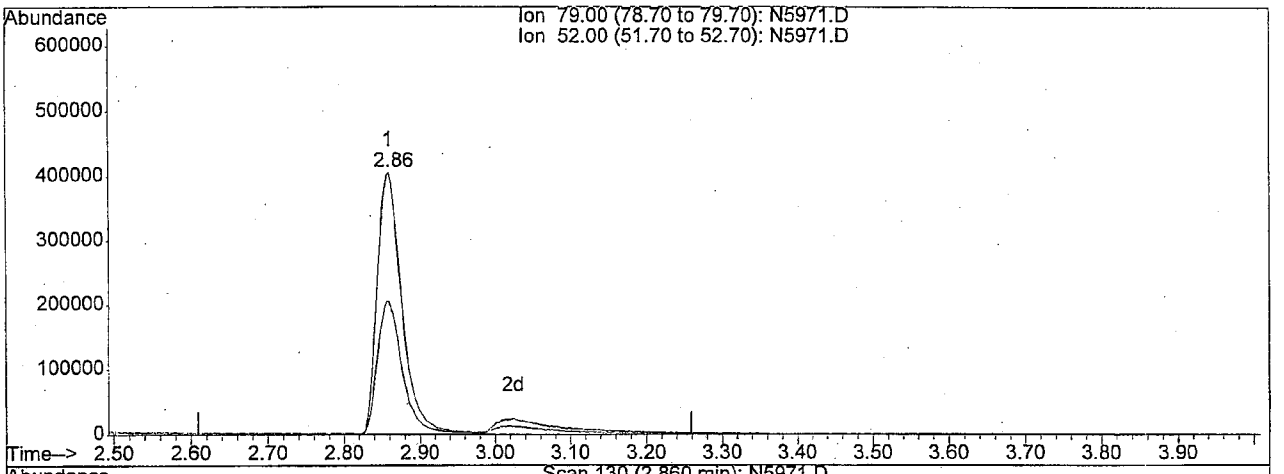
(#) = qualifier out of range (m) = manual integration

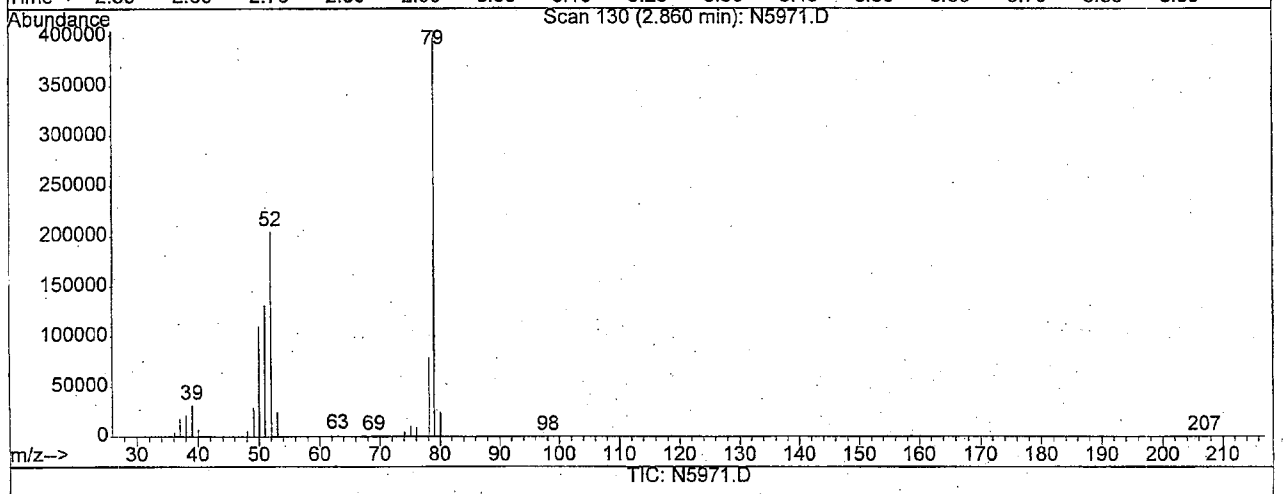
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5971.D
Acq On : 17 Jun 2005 12:56 pm
Sample : ICALSVSTD080
Misc : ST050518-8
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:12 2005

Vial: 8
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:11:45 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.86min 67.25ng/uL

response 906164

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	50.42
0.00	0.00	0.00
0.00	0.00	0.00

Before

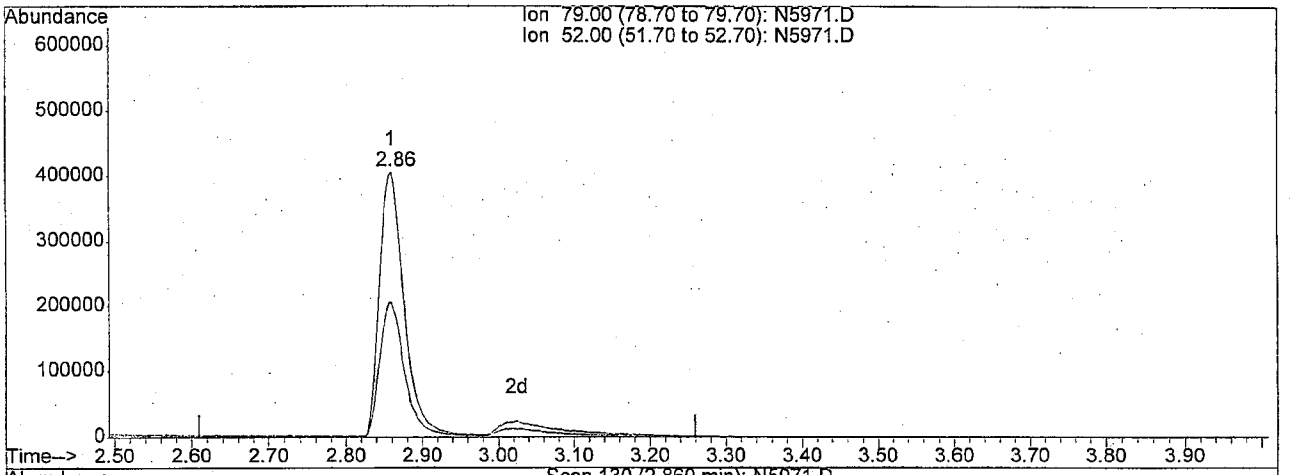
N5971.D 061705S1.M Fri Jun 17 13:13:39 2005

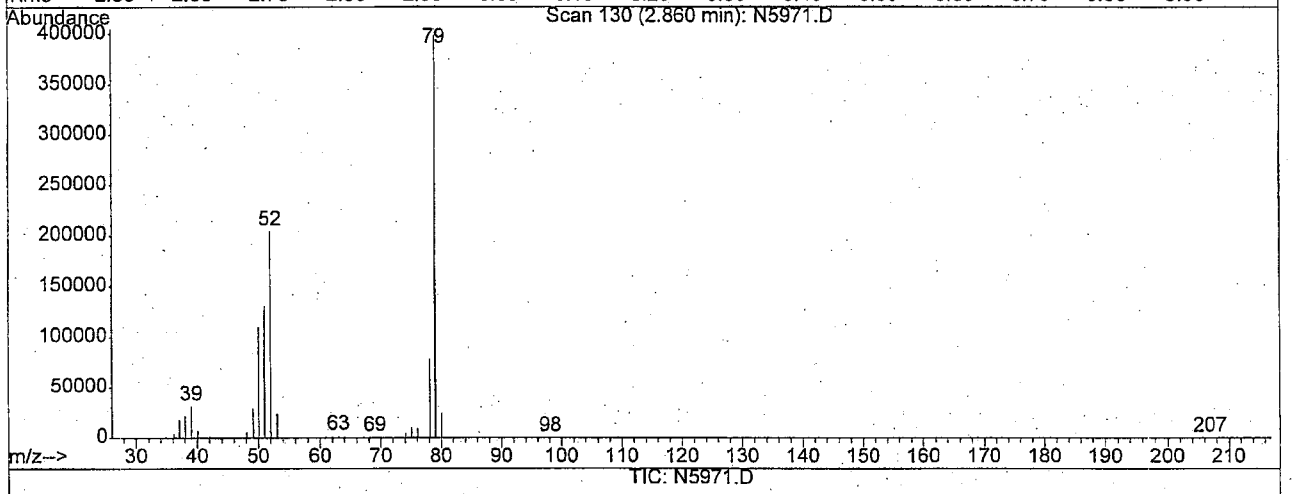
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5971.D
Acq On : 17 Jun 2005 12:56 pm
Sample : ICALSVSTD080
Misc : ST050518-8
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:17 2005

Vial: 8
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:16:41 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.86min 80.73ng/uL m

response 1087772

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	42.00
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JI *date* 10-20-05

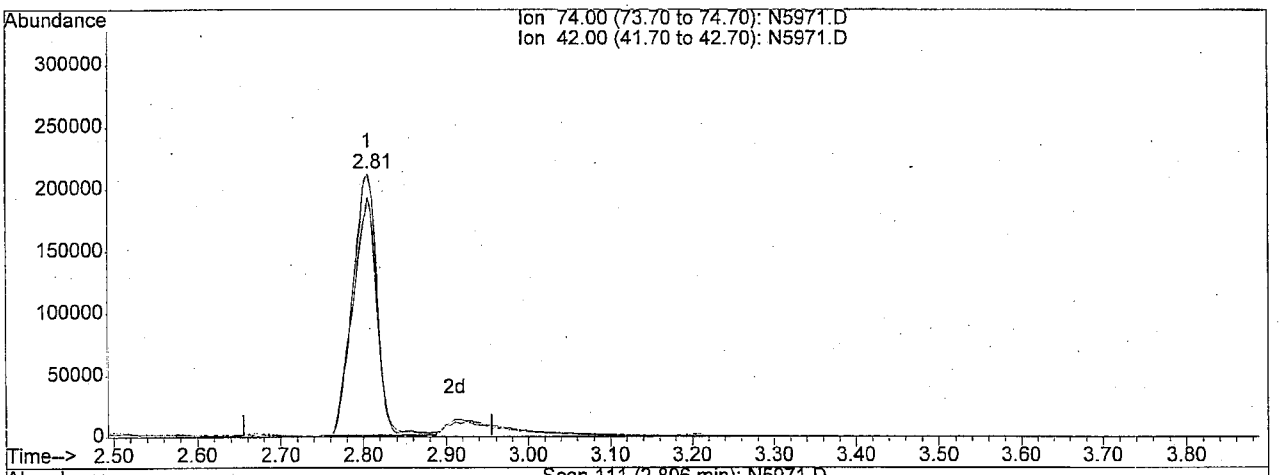
N5971.D 061705S1.M Fri Jun 17 13:17:17 2005

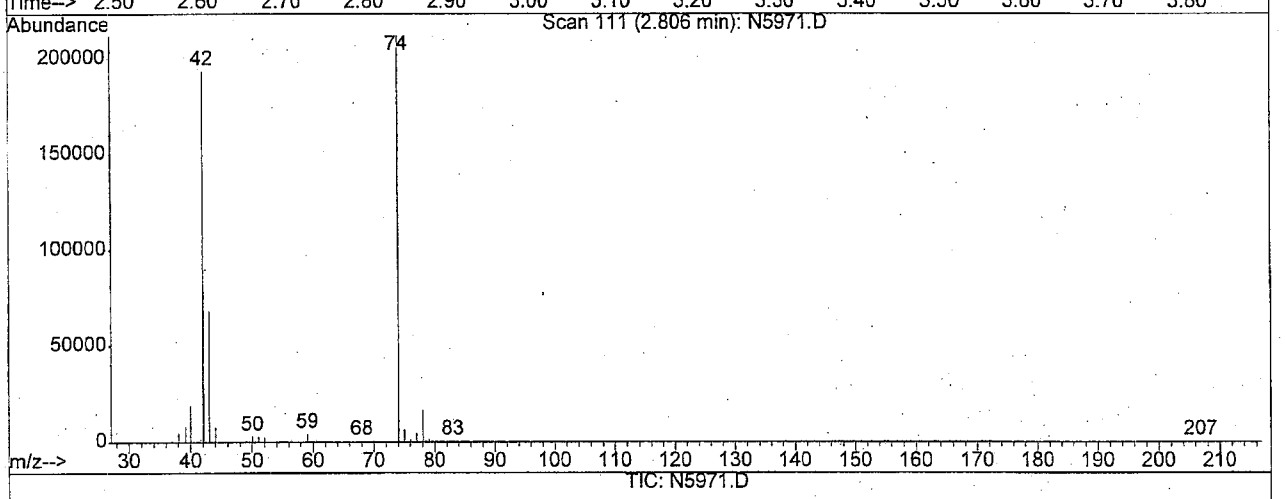
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5971.D
Acq On : 17 Jun 2005 12:56 pm
Sample : ICALSVSTD080
Misc : ST050518-8
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:13 2005

Vial: 8
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:11:45 2005
Response via : Multiple Level Calibration





(3) n-Nitrosodimethylamine (T)

2.81min 67.41ng/uL

response 438412

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	88.99
0.00	0.00	0.00
0.00	0.00	0.00

Before

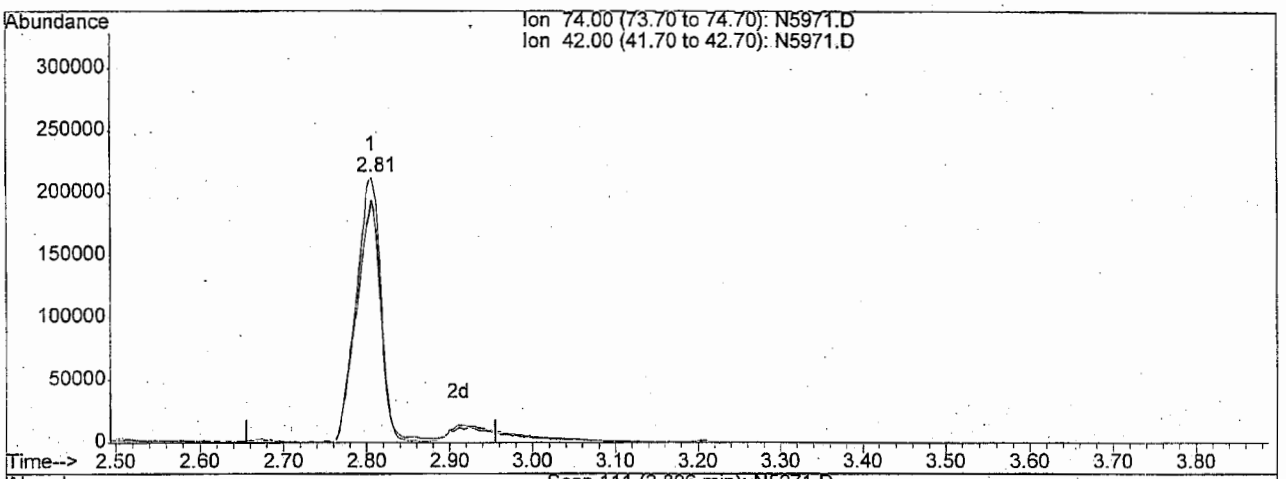
N5971.D 061705S1.M Fri Jun 17 13:13:47 2005

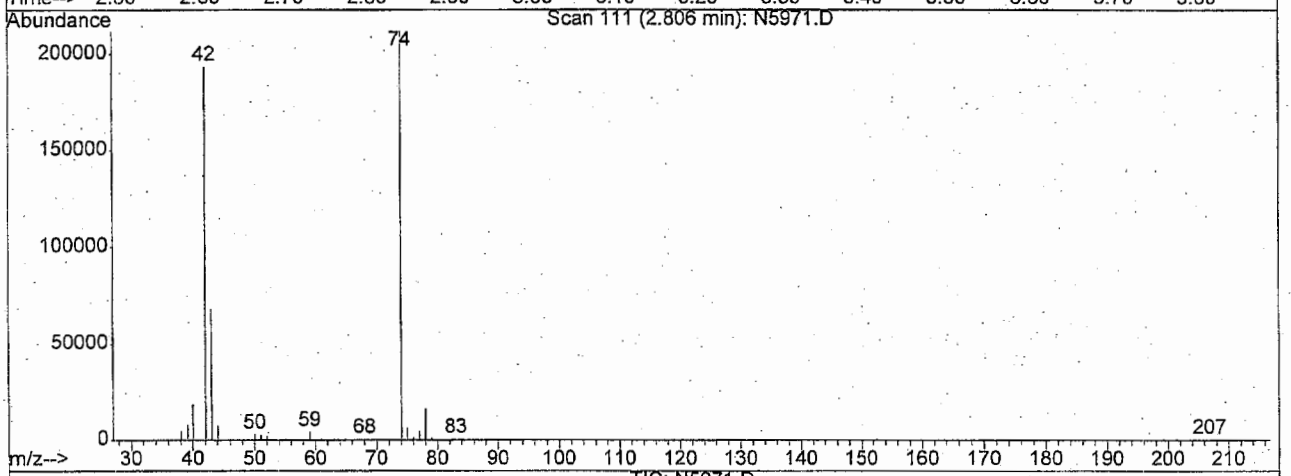
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5971.D
Acq On : 17 Jun 2005 12:56 pm
Sample : ICALSVSTD080
Misc : ST050518-8
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:17 2005

Vial: 8
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:16:41 2005
Response via : Multiple Level Calibration





TIC: N5971.D

(3) n-Nitrosodimethylamine (T)

2.81min 82.26ng/uL m

response 534947

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	72.93
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 6-20-05

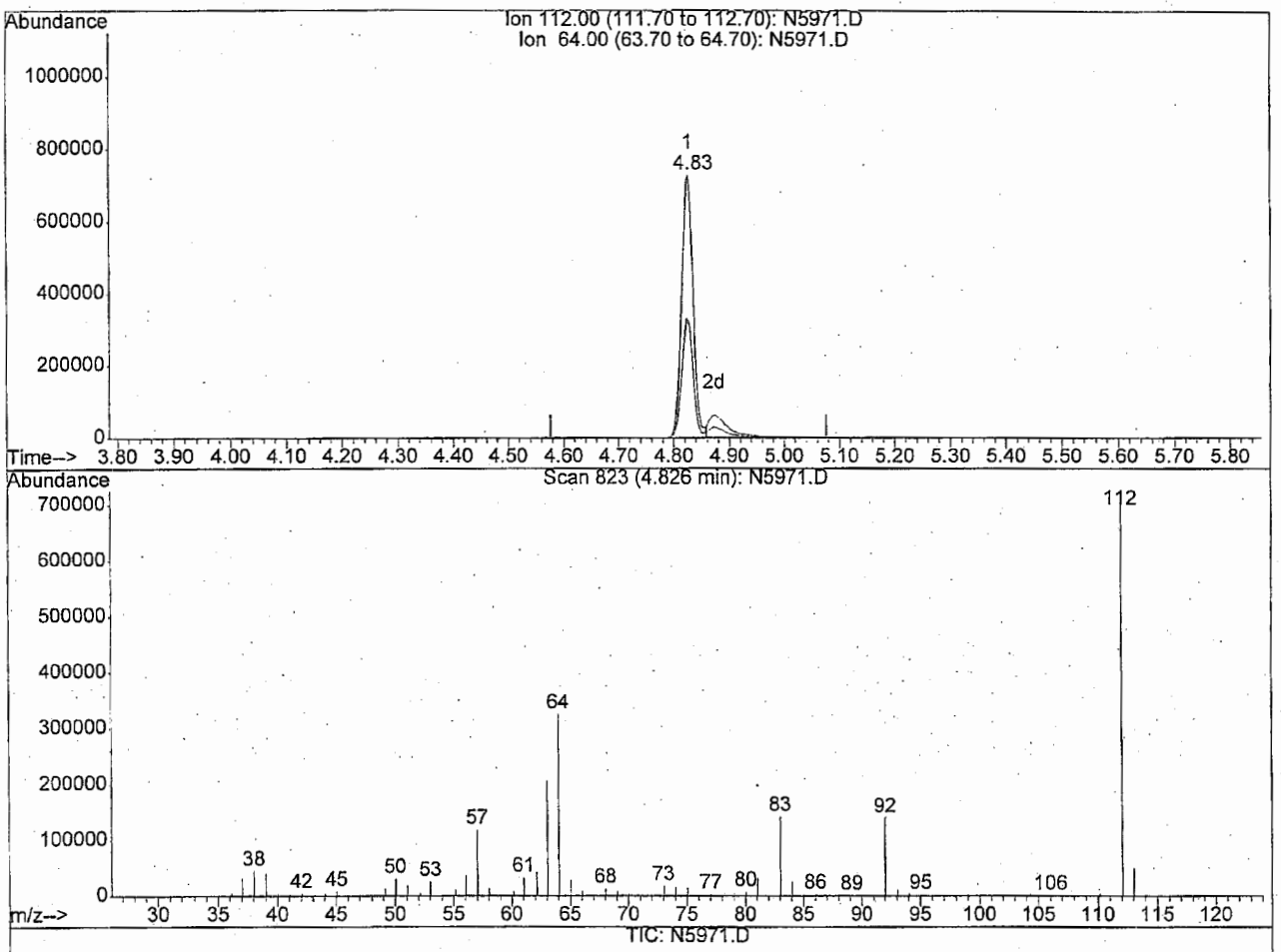
N5971.D 061705S1.M Fri Jun 17 13:17:28 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5971.D
Acq On : 17 Jun 2005 12:56 pm
Sample : ICALSVSTD080
Misc : ST050518-8
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:13 2005

Vial: 8
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:11:45 2005
Response via : Multiple Level Calibration



(4) 2-Fluorophenol (S)

4.83min 71.15ng/uL

response 1021193

Ion	Exp%	Act%
112.00	100	100
64.00	46.00	53.10
0.00	0.00	0.00
0.00	0.00	0.00

Before

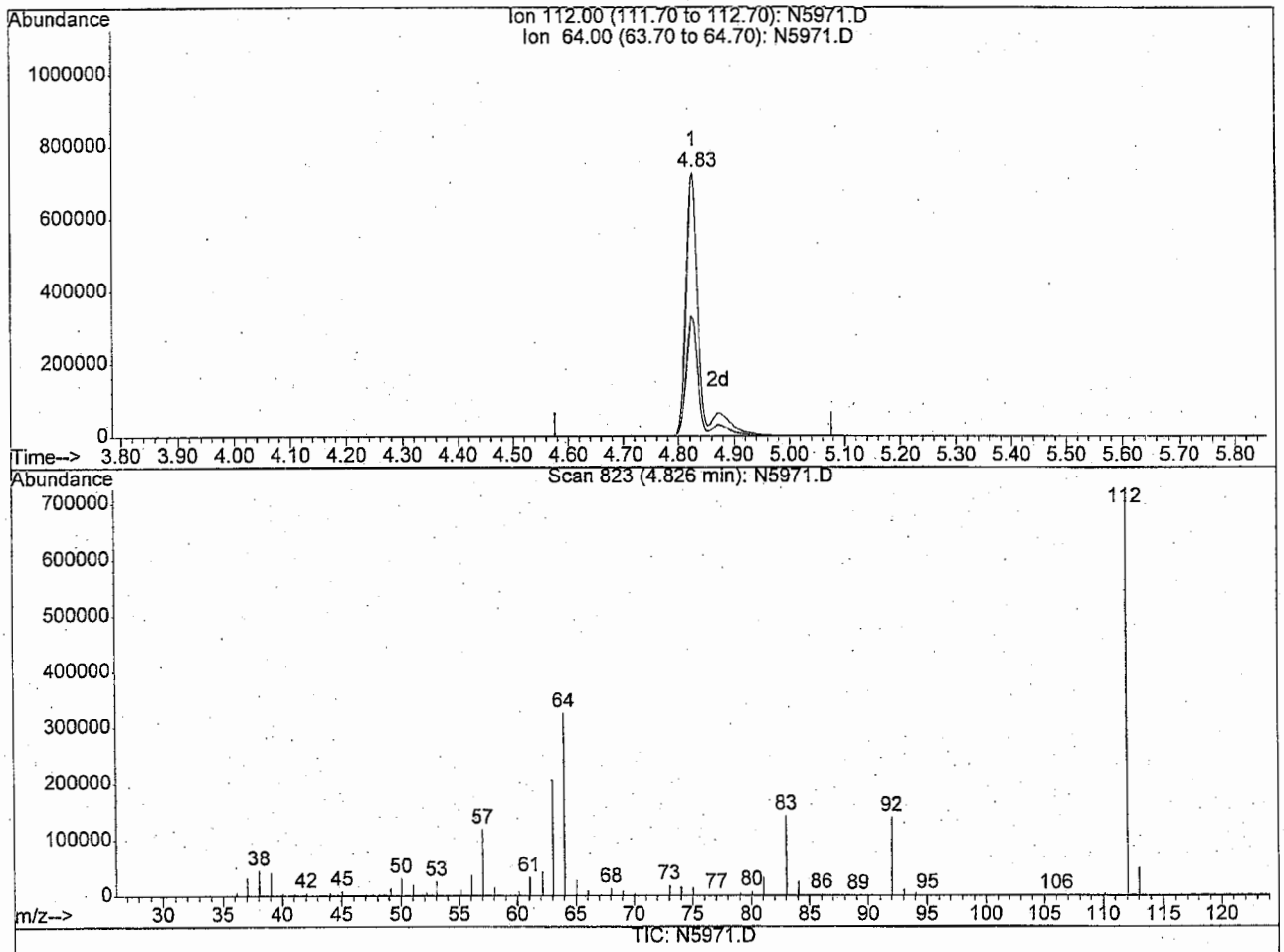
N5971.D 061705S1.M Fri Jun 17 13:13:55 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5971.D
Acq On : 17 Jun 2005 12:56 pm
Sample : ICALSVSTD080
Misc : ST050518-8
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:17 2005

Vial: 8
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:16:41 2005
Response via : Multiple Level Calibration



(4) 2-Fluorophenol (S)

4.83min 82.80ng/uL m

response 1188336

Ion	Exp%	Act%
112.00	100	100
64.00	46.00	45.63
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

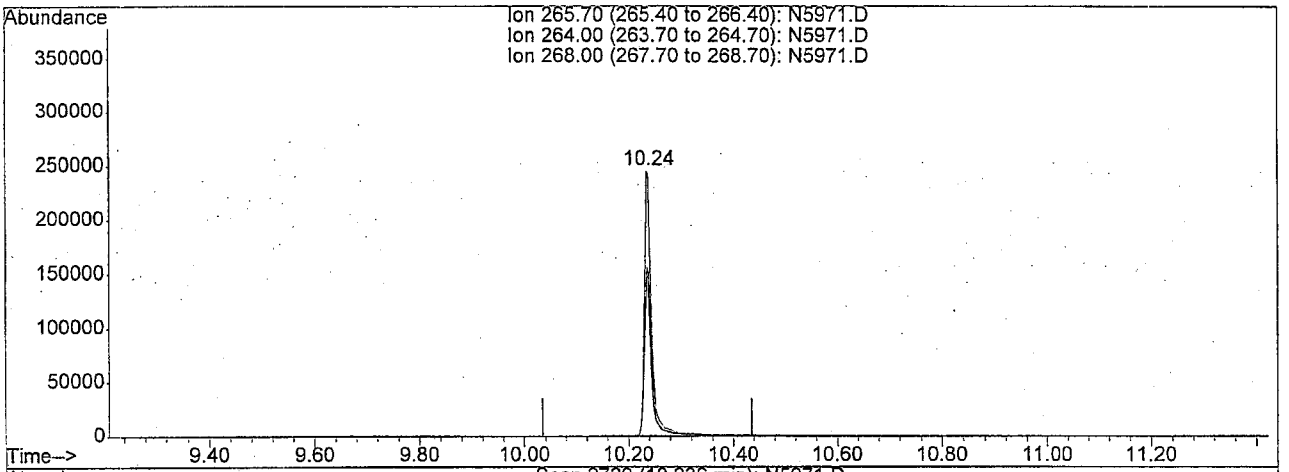
initials JK *date* 6-20-05

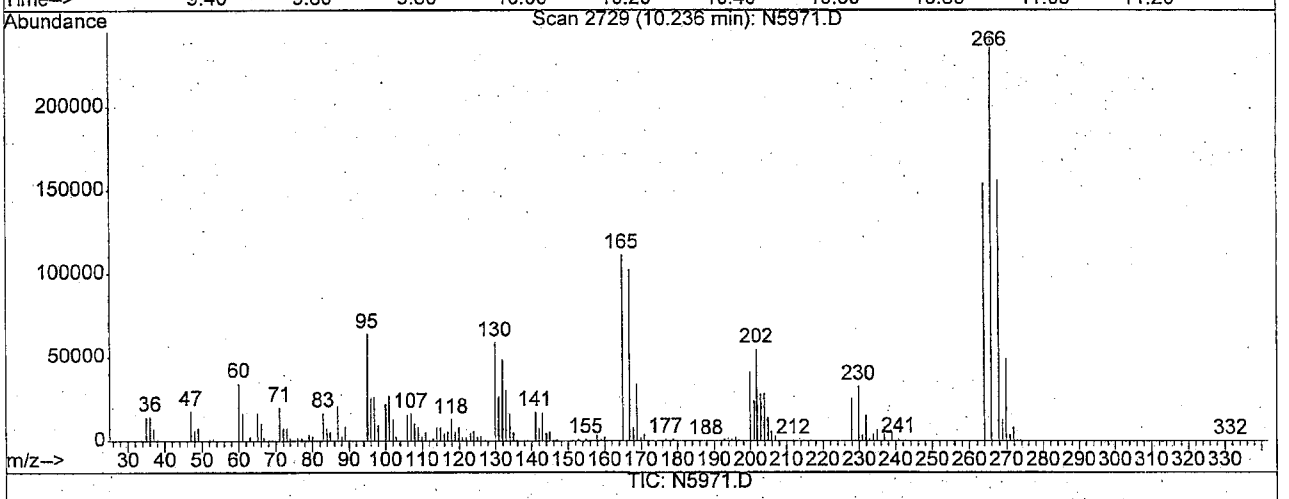
N5971.D 061705S1.M Fri Jun 17 13:17:52 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5971.D
Vial: 8
Acq On : 17 Jun 2005 12:56 pm
Operator: JOE K SOP
Sample : ICALSVSTD080
Inst : GC/MS Ins
Misc : ST050518-8
Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:13 2005
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:11:45 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.24min 89.25ng/uL

response 243451

Ion	Exp%	Act%
265.70	100	100
264.00	59.90	61.33
268.00	60.50	63.33
0.00	0.00	0.00

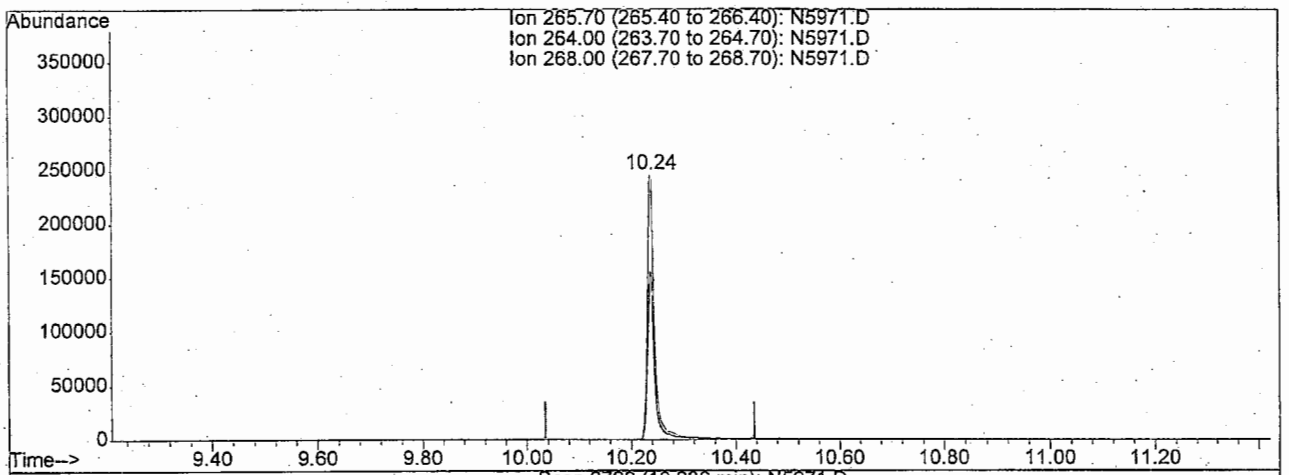
Before

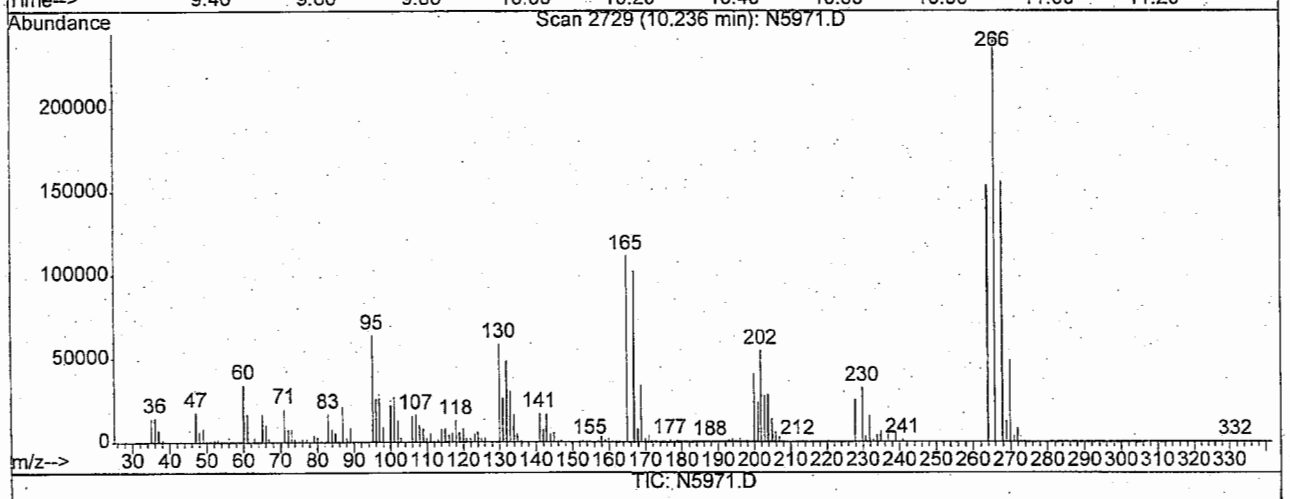
N5971.D 061705S1.M Fri Jun 17 13:14:36 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5971.D Vial: 8
Acq On : 17 Jun 2005 12:56 pm Operator: JOE K SCP
Sample : ICALSVSTD080 Inst : GC/MS Ins
Misc : ST050518-8 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:18 2005 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:16:41 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.24min 92.93ng/uL m

response 253501

Ion	Exp%	Act%
265.70	100	100
264.00	59.90	58.90
268.00	60.50	60.82
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 6-20-05

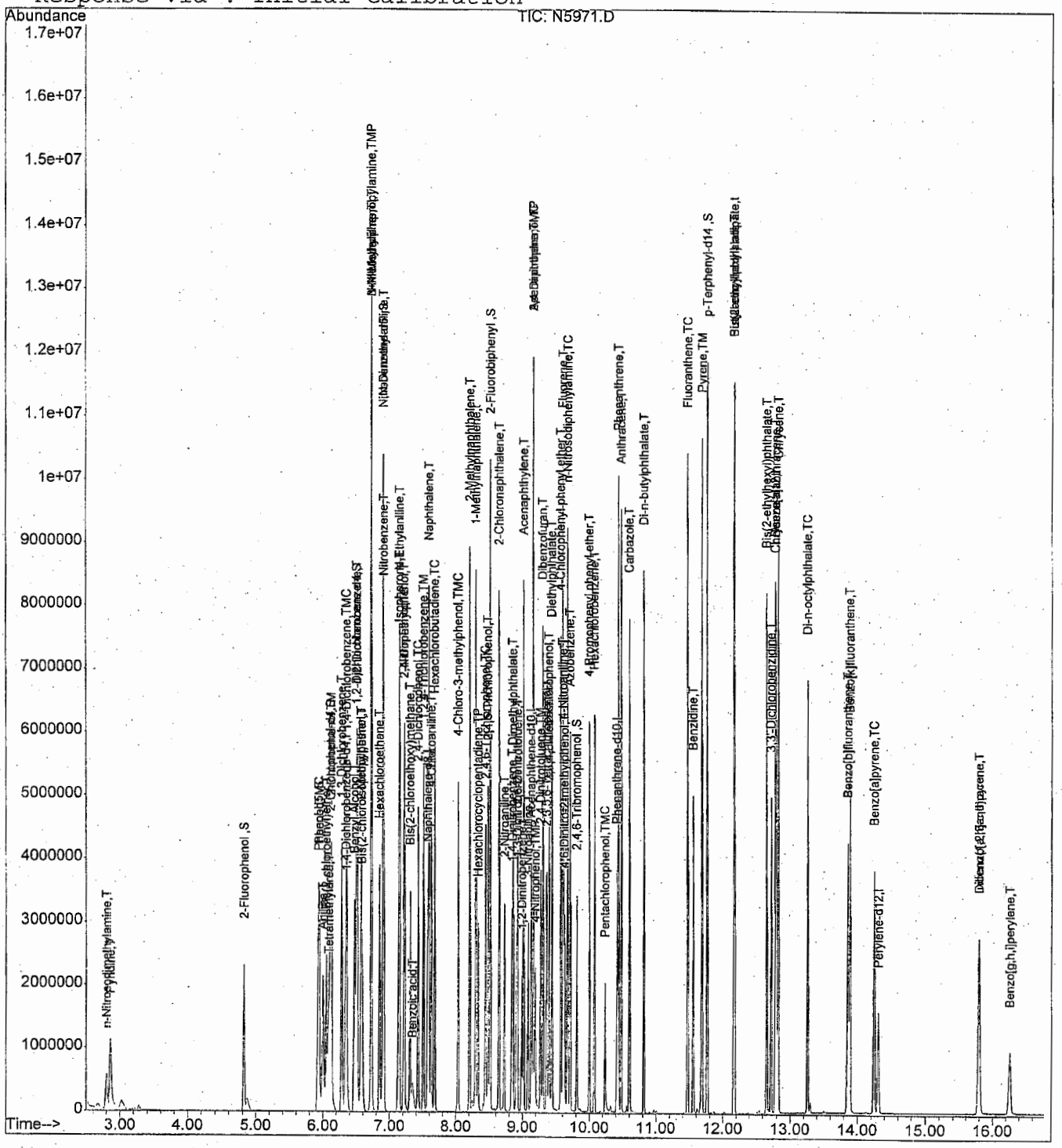
N5971.D 061705S1.M Fri Jun 17 13:18:23 2005

Quantitation Report

Data File : D:\HPCHEM\1\DATA\061705\N5971.D
Acq On : 17 Jun 2005 12:56 pm
Sample : ICALSVSTD080
Misc : ST050518-8
MS Integration Params: RTEINT.P
Quant Time: Jun 17 13:18 2005

Vial: 8
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 13:16:41 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5972.D
Acq On : 17 Jun 2005 1:23 pm
Sample : ICALSVSTD100
Misc : ST050518-9
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:50 2005

Vial: 9
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:49:11 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	457160	40.00	ng/uL	0.00
23) Naphthalene-d8	7.58	136	1566088	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.13	164	845734	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.42	188	1262678	40.00	ng/uL	0.00
79) Chrysene-d12	12.82	240	1326074	40.00	ng/uL	0.00
90) Perylene-d12	14.33	264	591629	40.00	ng/uL	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.83	112	1491123	103.16	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 137.55%#			
5) 2-Chlorophenol-d4	6.11	132	1812653	109.44	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 145.92%#			
7) Phenol-d5	5.94	99	1694436	108.62	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 144.83%#			
14) 1,2-Dichlorobenzene-d4	6.50	152	1171878	109.80	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 219.60%#			
24) Nitrobenzene-d5	6.90	82	1596346	114.02	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 228.04%#			
45) 2-Fluorobiphenyl	8.52	172	3497317	113.48	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 226.96%#			
67) 2,4,6-Tribromophenol	9.81	330	440275	131.10	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 174.80%#			
82) p-Terphenyl-d14	11.78	244	3895557	111.79	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 223.58%#			

Target Compounds						Qvalue
2) Pyridine	2.86	79	1389739m	103.79	ng/uL	
3) n-Nitrosodimethylamine	2.80	74	667530m	102.76	ng/uL	
6) Aniline	6.00	93	1840554	104.57	ng/uL	97
8) Phenol	5.95	94	1619787m	110.14	ng/uL	
9) Tetramethylurea	6.09	72	2193873	103.79	ng/uL	99
10) Bis(2-chloroethyl)ether	6.05	93	1176253	101.41	ng/uL	98
11) 2-Chlorophenol	6.13	128	1695978	110.32	ng/uL	100
12) 1,3-Dichlorobenzene	6.28	146	1762326	106.61	ng/uL	99
13) 1,4-Dichlorobenzene	6.36	146	1884544	107.07	ng/ul	99
15) 1,2-Dichlorobenzene	6.52	146	1830300	111.29	ng/uL	99
16) Benzyl Alcohol	6.48	108	957187	107.70	ng/uL	99
17) Bis(2-chloroisopropyl)ethe	6.59	45	1158205	113.40	ng/uL	98
18) 2-Methylphenol	6.58	107	1226305	107.79	ng/uL	100
19) n-Nitroso-di-n-propylamine	6.73	70	1101288	116.87	ng/uL	99
20) 3+4-Methylphenol	6.73	108	1890149	119.47	ng/uL	97
21) N-Methylaniline	6.73	106	2828225	116.49	ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5972.D Vial: 9
Acq On : 17 Jun 2005 1:23 pm Operator: JOE K SOP 506
Sample : ICALSVSTD100 Inst : GC/MS Ins
Misc : ST050518-9 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:50 2005 Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:49:11 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.85	117	665544	107.44 ng/uL	99
25) N,N-Dimethylaniline	6.91	120	2765852	116.33 ng/uL	100
26) Nitrobenzene	6.92	77	2089857	114.85 ng/uL	99
27) Isophorone	7.14	82	2407731	112.79 ng/uL	99
28) N-Ethylaniline	7.15	106	3072577	114.04 ng/uL	99
29) 2-Nitrophenol	7.22	139	862816	120.50 ng/uL	98
30) 2,4-Dimethylphenol	7.23	107	1537913	114.12 ng/uL	100
31) Bis(2-chloroethoxy)methane	7.31	93	1459364	108.73 ng/uL	99
32) 2,4-Dichlorophenol	7.43	162	1273965	112.59 ng/uL	99
33) Benzoic acid	7.36	105	557551	123.55 ng/uL	99
34) 1,2,4-Trichlorobenzene	7.51	180	1412176	112.51 ng/uL	100
35) Naphthalene	7.60	128	4525892	108.71 ng/uL	99
36) 4-Chloroaniline	7.63	127	1806525	110.58 ng/uL	100
37) Hexachlorobutadiene	7.68	225	806236	112.68 ng/uL	98
38) 4-Chloro-3-methylphenol	8.04	107	1168972	111.11 ng/uL	99
39) 2-Methylnaphthalene	8.21	142	2999696	110.32 ng/uL	100
41) 1-Methylnaphthalene	8.30	142	3032675	114.21 ng/uL	100
42) Hexachlorocyclopentadiene	8.34	237	554392	172.69 ng/uL	100
43) 2,4,6-Trichlorophenol	8.45	196	804884	120.64 ng/uL	100
44) 2,4,5-Trichlorophenol	8.49	196	899550	118.96 ng/uL	98
46) 2-Chloronaphthalene	8.65	162	2835918	113.84 ng/uL	99
47) 2-Nitroaniline	8.73	65	603441	111.91 ng/uL	99
48) 1,4-Dinitrobenzene	8.84	168	466777	120.76 ng/uL	96
49) Dimethylphthalate	8.86	163	2913130	110.93 ng/uL	100
50) 1,3-Dinitrobenzene	8.92	168	484606	114.95 ng/uL	99
51) 2,6-Dinitrotoluene	8.93	165	712282	116.50 ng/uL	99
52) 1,2-Dinitrobenzene	9.00	168	306431	110.72 ng/uL	97
53) Acenaphthylene	9.02	152	4356081	112.06 ng/uL	99
54) 3-Nitroaniline	9.09	138	683543	111.60 ng/uL	98
55) Acenaphthene	9.17	154	2990074	118.93 ng/uL	99
56) 2,4-Dinitrophenol	9.17	184	402287	138.84 ng/uL	74
57) 4-Nitrophenol	9.20	109	310433	109.41 ng/uL	100
58) Dibenzofuran	9.31	168	3693202	112.08 ng/uL	99
59) 2,4-Dinitrotoluene	9.28	165	854367	114.03 ng/uL	100
60) 2,3,5,6-Tetrachlorophenol	9.37	232	617900	123.58 ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	9.40	232	701189	116.22 ng/uL	99
62) Diethylphthalate	9.45	149	2866097	111.37 ng/uL	99
63) Fluorene	9.61	166	3097482	113.19 ng/uL	100
64) 4-Chlorophenyl phenyl ethe	9.58	204	1430926	116.64 ng/uL	99
65) 4-Nitroaniline	9.63	138	725863	111.27 ng/uL	99
66) Azobenzene	9.72	77	2380297	111.63 ng/uL	100

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5972.D
Acq On : 17 Jun 2005 1:23 pm
Sample : ICALSVSTD100
Misc : ST050518-9
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:50 2005

Vial: 9
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:49:11 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.64	198	486279	119.28 ng/uL	97
70)	n-Nitrosodiphenylamine	9.68	169	2583071	116.30 ng/uL	99
71)	4-Bromophenyl phenyl ether	10.00	248	868773	120.89 ng/uL	98
72)	Hexachlorobenzene	10.08	284	976108	124.99 ng/uL	98
73)	Pentachlorophenol	10.24	266	332856	121.20 ng/uL	96
74)	Phenanthrene	10.44	178	4065560	113.94 ng/uL	99
75)	Anthracene	10.49	178	4214617	114.91 ng/uL	99
76)	Carbazole	10.61	167	3612808	109.32 ng/uL	99
77)	Di-n-butylphthalate	10.83	149	4760555	110.99 ng/uL	99
78)	Fluoranthene	11.49	202	4486152	115.58 ng/uL	98
80)	Benzidine	11.57	184	2189117	108.36 ng/uL	99
81)	Pyrene	11.70	202	4659595	103.89 ng/uL	98
83)	Butylbenzylphthalate	12.18	149	2374754	110.84 ng/uL	99
84)	Bis(2-ethylhexyl) adipate	12.19	129	2189693	117.49 ng/uL	99
85)	Benzo[a]anthracene	12.80	228	4346474	105.05 ng/uL	99
86)	3,3'-Dichlorobenzidine	12.74	252	1376688	106.96 ng/uL	100
87)	Chrysene	12.85	228	4036188	107.68 ng/uL	98
88)	Bis(2-ethylhexyl)phthalate	12.68	149	2755663	105.26 ng/uL	99
89)	Di-n-octylphthalate	13.29	149	4100353	106.20 ng/uL	100
91)	Benzo[b]fluoranthene	13.89	252	2981841	119.20 ng/uL	99
92)	Benzo[k]fluoranthene	13.92	252	3036054	122.81 ng/uL	99
93)	Benzo[a]pyrene	14.28	252	2434541	116.40 ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.83	276	1471954	91.24 ng/uL	100
95)	Dibenzo[a,h]anthracene	15.83	278	1310313	95.52 ng/uL	99
96)	Benzo[g,h,i]perylene	16.29	276	891949	78.69 ng/uL	99

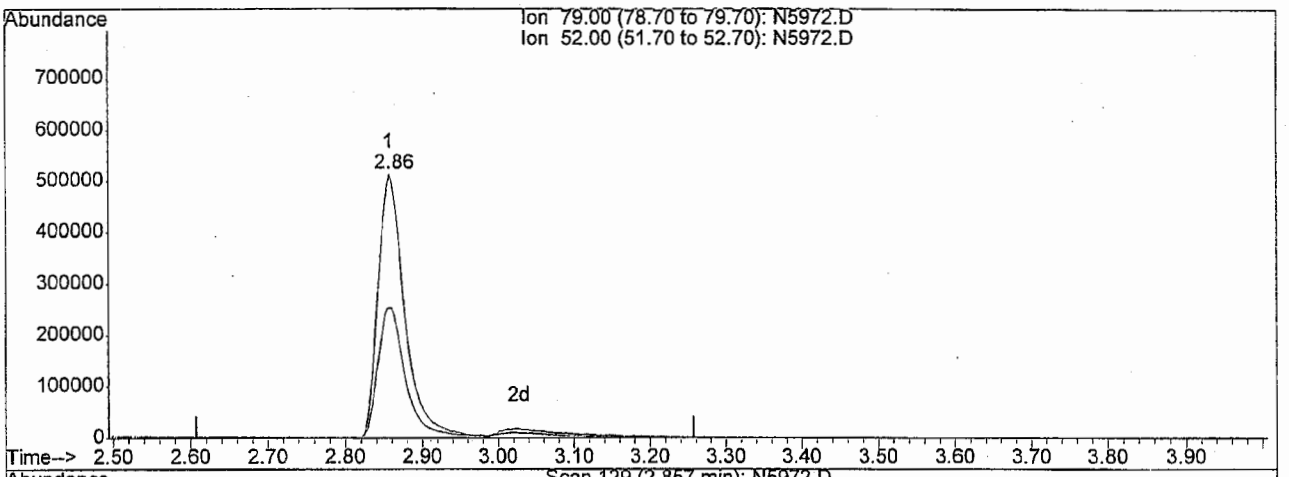
(#) = qualifier out of range (m) = manual integration

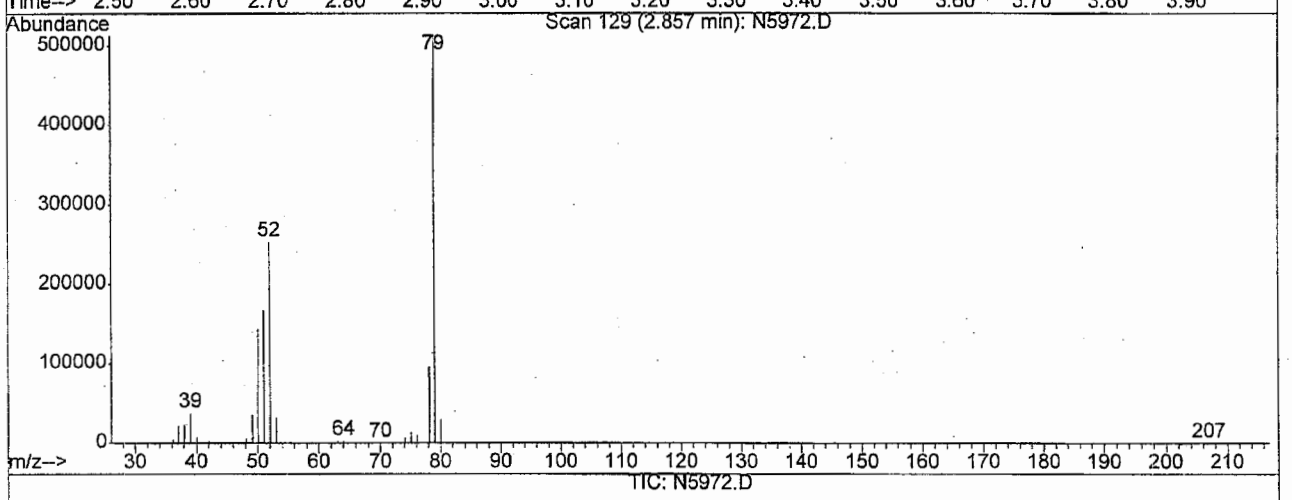
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5972.D
Acq On : 17 Jun 2005 1:23 pm
Sample : ICALSVSTD100
Misc : ST050518-9
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:49 2005

Vial: 9
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:49:11 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.86min 92.91ng/uL

response 1244050

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	50.11
0.00	0.00	0.00
0.00	0.00	0.00

Before

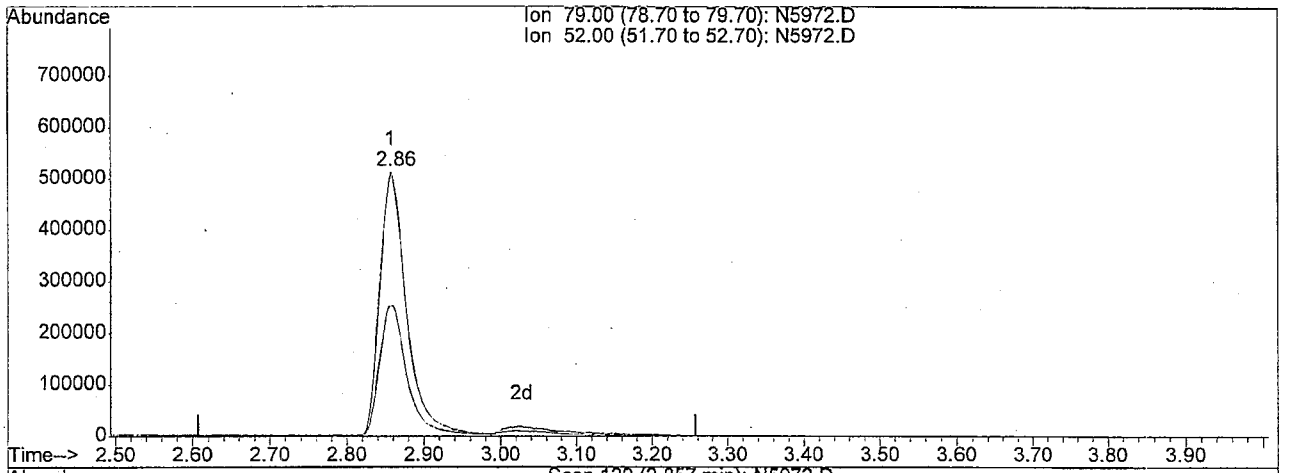
N5972.D 061705S1.M Fri Jun 17 14:49:38 2005

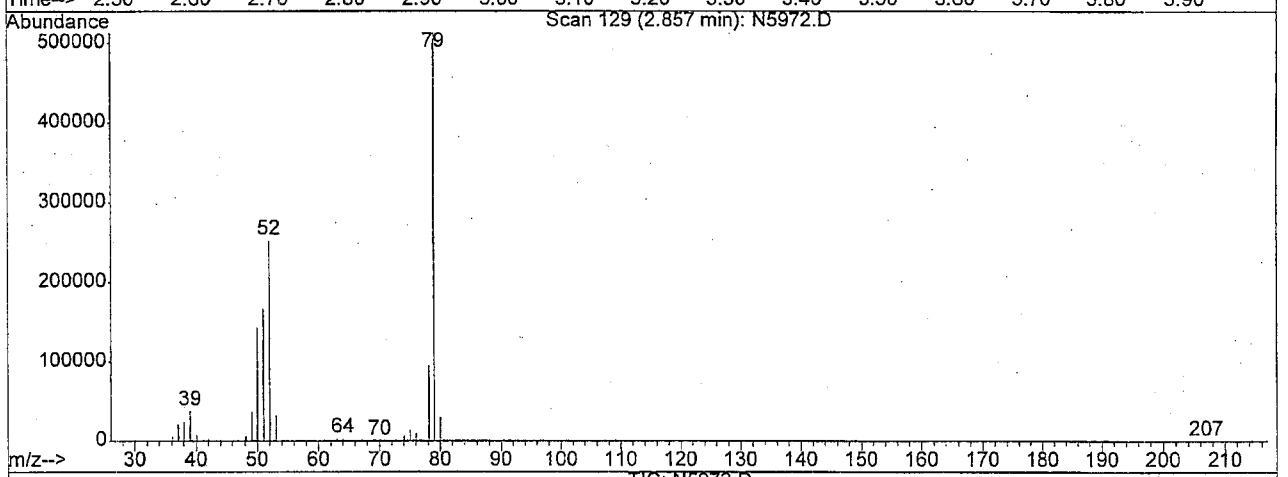
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5972.D
Acq On : 17 Jun 2005 1:23 pm
Sample : ICALSVSTD100
Misc : ST050518-9
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:49 2005

Vial: 9
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:49:11 2005
Response via : Multiple Level Calibration





TIC: N5972.D

(2) Pyridine (T)

2.86min 103.79ng/uL m

response 1389739

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	44.86
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 6-20-05

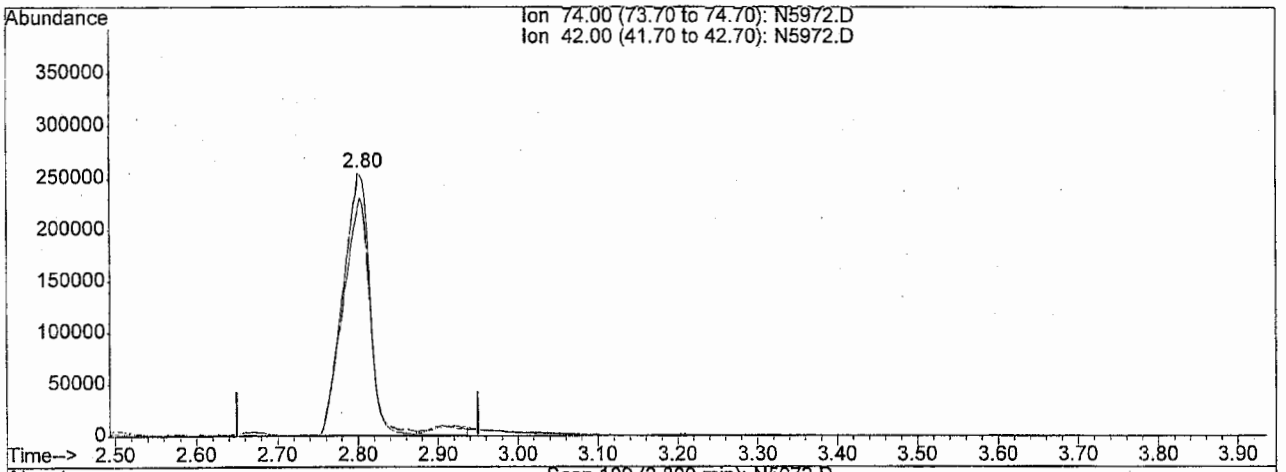
N5972.D 061705S1.M Fri Jun 17 14:49:45 2005

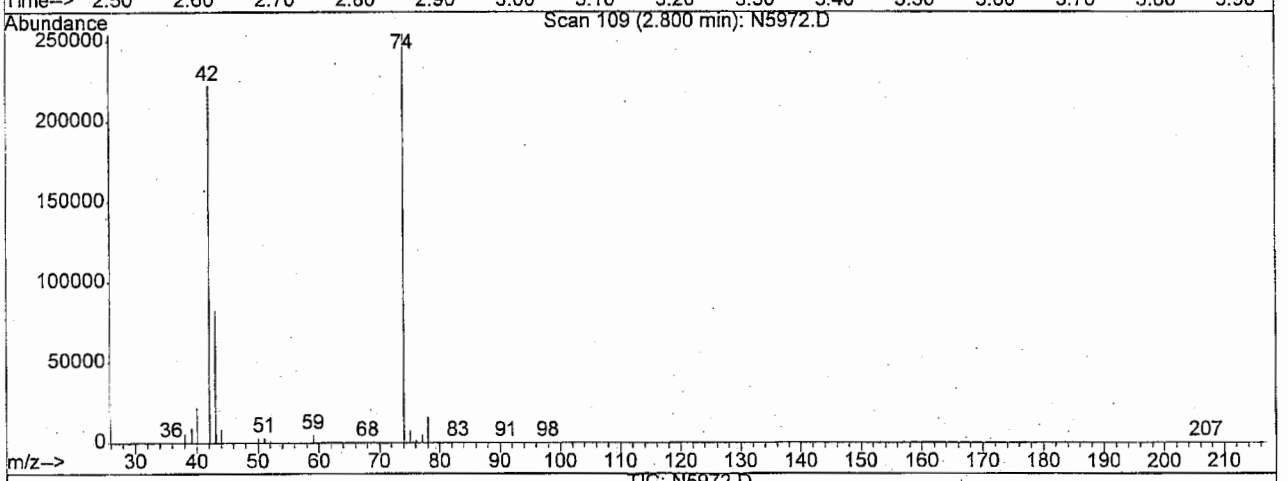
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5972.D
Acq On : 17 Jun 2005 1:23 pm
Sample : ICALSVSTD100
Misc : ST050518-9
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:49 2005

Vial: 9
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:49:11 2005
Response via : Multiple Level Calibration





TIC: N5972.D

(3) n-Nitrosodimethylamine (T)

2.80min 96.08ng/uL

response 624188

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	85.00
0.00	0.00	0.00
0.00	0.00	0.00

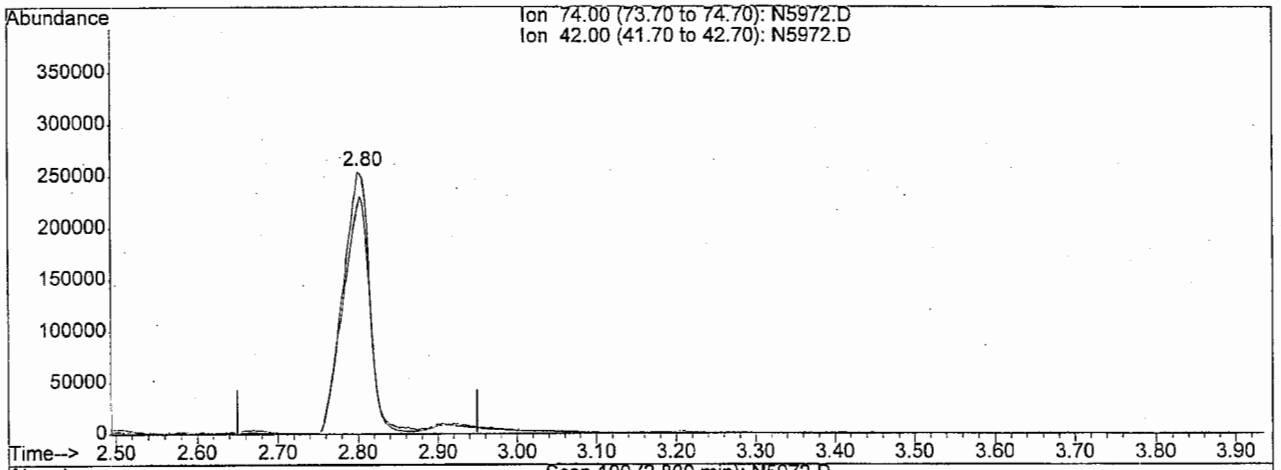
Before

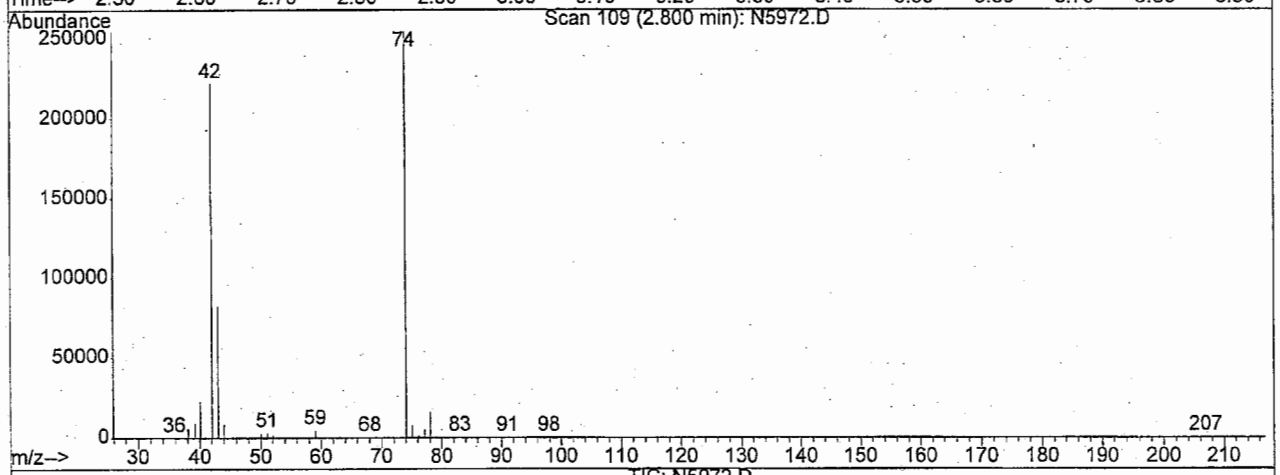
N5972.D 061705S1.M Fri Jun 17 14:49:49 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5972.D
Vial: 9
Acq On : 17 Jun 2005 1:23 pm
Operator: JOE K SOP
Sample : ICALSVSTD100
Inst : GC/MS Ins
Misc : ST050518-9
Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:49 2005
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:49:11 2005
Response via : Multiple Level Calibration





TIC: N5972.D

(3) n-Nitrosodimethylamine (T)

2.80min 102.76ng/uL m

response 667530

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	79.48
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials NL *date* 6-20-05

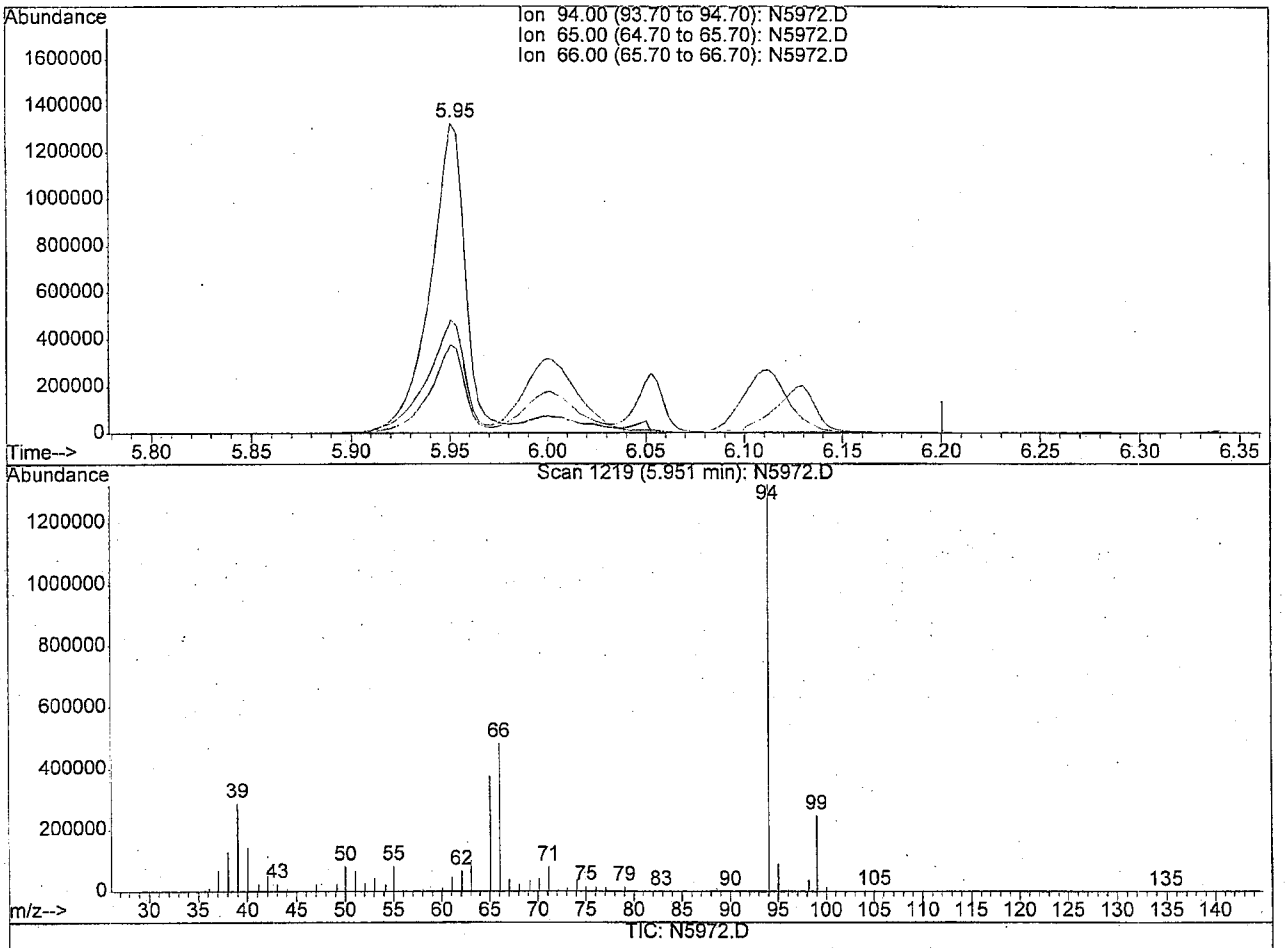
N5972.D 061705S1.M Fri Jun 17 14:49:53 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5972.D
Acq On : 17 Jun 2005 1:23 pm
Sample : ICALSVSTD100
Misc : ST050518-9
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:49 2005

Vial: 9
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:49:11 2005
Response via : Multiple Level Calibration



(8) Phenol (TMC)

5.95min 122.16ng/uL

response 1796578

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	26.39
66.00	40.90	36.40
0.00	0.00	0.00

Before

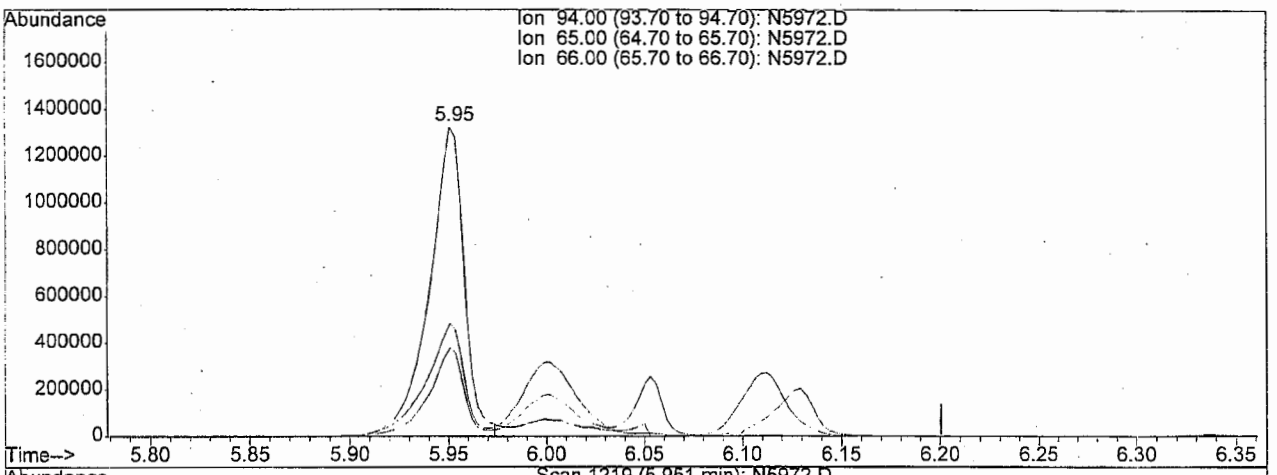
N5972.D 061705S1.M Fri Jun 17 14:50:02 2005

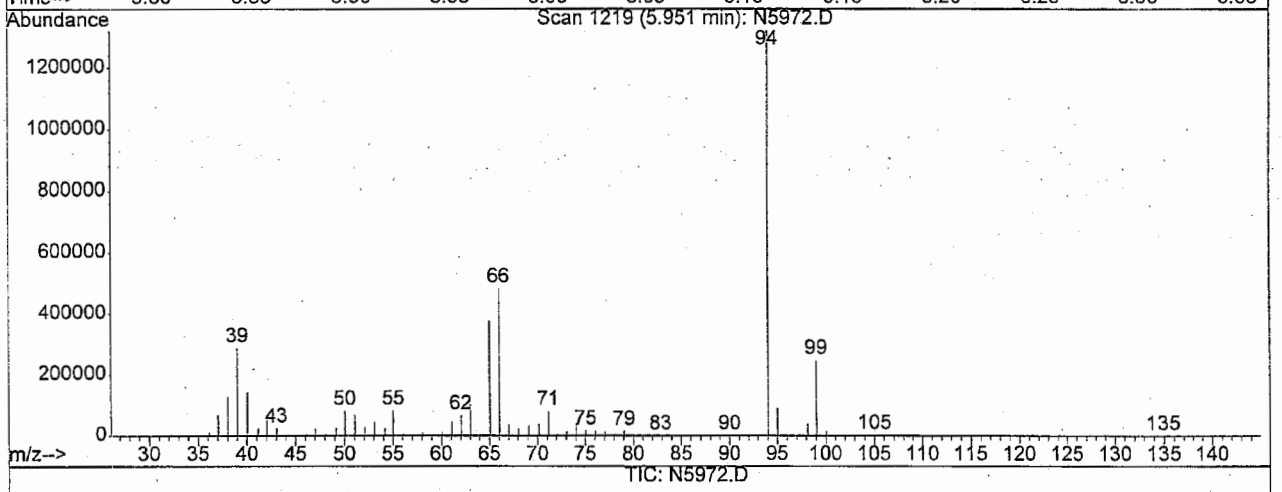
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5972.D
Acq On : 17 Jun 2005 1:23 pm
Sample : ICALSVSTD100
Misc : ST050518-9
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:50 2005

Vial: 9
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:49:11 2005
Response via : Multiple Level Calibration





(8) Phenol (TMC)

5.95min 110.14ng/uL m

response 1619787

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	29.27
66.00	40.90	40.37
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JL *date* 6-10-05

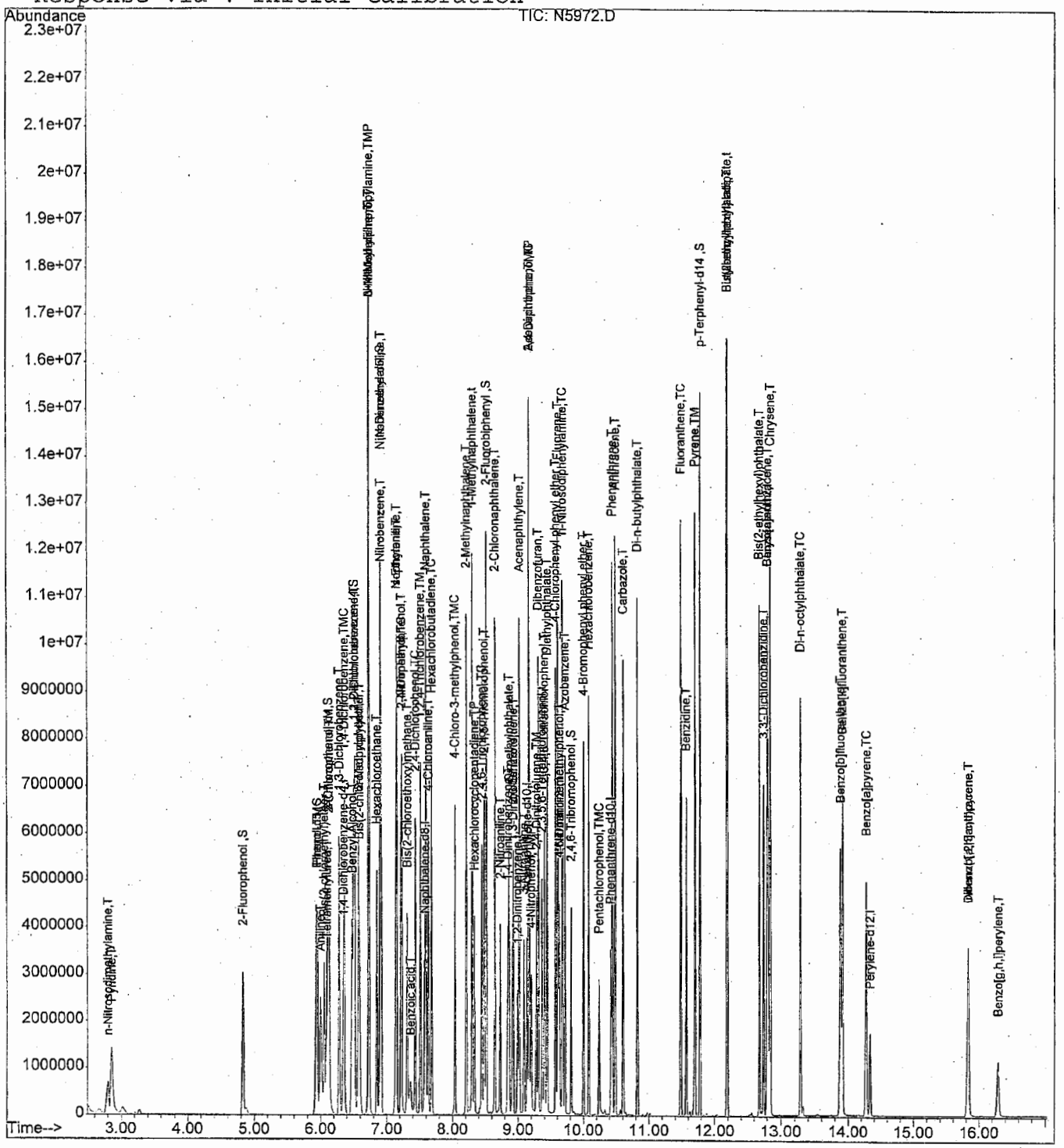
N5972.D 061705S1.M Fri Jun 17 14:50:09 2005

Quantitation Report

Data File : D:\HPCHEM\1\DATA\061705\N5972.D
Acq On : 17 Jun 2005 1:23 pm
Sample : ICALSVSTD100
Misc : ST050518-9
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:50 2005

Vial: 9
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:49:11 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5973.D
Acq On : 17 Jun 2005 1:51 pm
Sample : ICALSVSTD120
Misc : ST050518-10
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:57 2005

Vial: 10
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:53:39 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	474068	40.00	ng/uL	0.00
23) Naphthalene-d8	7.58	136	1572872	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.14	164	812748	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.42	188	1199841	40.00	ng/uL	0.00
79) Chrysene-d12	12.82	240	1235891	40.00	ng/uL	0.00
90) Perylene-d12	14.34	264	475654	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.84	112	1860165	124.10	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 165.47%#			
5) 2-Chlorophenol-d4	6.12	132	2329126	135.61	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 180.81%#			
7) Phenol-d5	5.94	99	2132861	131.85	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 175.80%#			
14) 1,2-Dichlorobenzene-d4	6.50	152	1520775	137.41	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 274.82%#			
24) Nitrobenzene-d5	6.91	82	2005353	142.61	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 285.22%#			
45) 2-Fluorobiphenyl	8.52	172	4238643	143.11	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 286.22%#			
67) 2,4,6-Tribromophenol	9.82	330	535812	166.03	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 221.37%#			
82) p-Terphenyl-d14	11.78	244	4584681	141.17	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 282.34%#			

Target Compounds						Qvalue
2) Pyridine	2.88	79	1654848	117.35	ng/uL	96
3) n-Nitrosodimethylamine	2.82	74	838182m	123.45	ng/uL	
6) Aniline	6.01	93	2316413	126.92	ng/uL	98
8) Phenol	5.96	94	2063925m	137.70	ng/uL	
9) Tetramethylurea	6.11	72	2835430m	129.35	ng/uL	
10) Bis(2-chloroethyl)ether	6.06	93	1512679	125.76	ng/uL	99
11) 2-Chlorophenol	6.13	128	2173788	136.36	ng/uL	100
12) 1,3-Dichlorobenzene	6.28	146	2186683	127.57	ng/uL	99
13) 1,4-Dichlorobenzene	6.36	146	2337336	128.06	ng/ul	100
15) 1,2-Dichlorobenzene	6.52	146	2322341	136.18	ng/uL	98
16) Benzyl Alcohol	6.48	108	1212200	131.53	ng/uL	98
17) Bis(2-chloroisopropyl)ethe	6.59	45	1514797	143.03	ng/uL	95
18) 2-Methylphenol	6.58	107	1563208	132.50	ng/uL	100
19) n-Nitroso-di-n-propylamine	6.74	70	1381643	141.39	ng/uL	99
20) 3+4-Methylphenol	6.73	108	2394081	145.93	ng/uL	96
21) N-Methylaniline	6.73	106	3532804	140.32	ng/uL	100

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5973.D
Acq On : 17 Jun 2005 1:51 pm
Sample : ICALSVSTD120
Misc : ST050518-10
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:57 2005

Vial: 10
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:53:39 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.85	117	838112	130.47 ng/uL	100
25) N,N-Dimethylaniline	6.91	120	3479528	145.72 ng/uL	99
26) Nitrobenzene	6.93	77	2604056	142.49 ng/uL	99
27) Isophorone	7.15	82	3031744	141.41 ng/uL	99
28) N-Ethylaniline	7.16	106	3860385	142.66 ng/uL	99
29) 2-Nitrophenol	7.22	139	1026056	142.68 ng/uL	99
30) 2,4-Dimethylphenol	7.23	107	1871803	138.30 ng/uL	99
31) Bis(2-chloroethoxy)methane	7.32	93	1815467	134.68 ng/uL	99
32) 2,4-Dichlorophenol	7.44	162	1568912	138.06 ng/uL	99
33) Benzoic acid	7.37	105	669308	147.68 ng/uL	97
34) 1,2,4-Trichlorobenzene	7.51	180	1740419	138.06 ng/uL	99
35) Naphthalene	7.60	128	5489895	131.29 ng/uL	97
36) 4-Chloroaniline	7.63	127	2212546	134.85 ng/uL	99
37) Hexachlorobutadiene	7.68	225	1012922	140.96 ng/uL	99
38) 4-Chloro-3-methylphenol	8.04	107	1417557	134.16 ng/uL	98
39) 2-Methylnaphthalene	8.22	142	3704153	135.63 ng/uL	100
41) 1-Methylnaphthalene	8.31	142	3726961	146.05 ng/uL	100
42) Hexachlorocyclopentadiene	8.34	237	674439	218.61 ng/uL	100
43) 2,4,6-Trichlorophenol	8.45	196	994755	155.15 ng/uL	99
44) 2,4,5-Trichlorophenol	8.49	196	1104519	151.99 ng/uL	98
46) 2-Chloronaphthalene	8.65	162	3450788	144.14 ng/uL	99
47) 2-Nitroaniline	8.73	65	715000	137.98 ng/uL	100
48) 1,4-Dinitrobenzene	8.85	168	552219	148.66 ng/uL	98
49) Dimethylphthalate	8.87	163	3515682	139.31 ng/uL	100
50) 1,3-Dinitrobenzene	8.92	168	574786	141.87 ng/uL	99
51) 2,6-Dinitrotoluene	8.93	165	845488	143.90 ng/uL	99
52) 1,2-Dinitrobenzene	9.00	168	366873	137.93 ng/uL	96
53) Acenaphthylene	9.02	152	5158373	138.09 ng/uL	98
54) 3-Nitroaniline	9.10	138	815108	138.48 ng/uL	98
55) Acenaphthene	9.17	154	3573127	147.89 ng/uL	99
56) 2,4-Dinitrophenol	9.17	184	493501	177.24 ng/uL	69
57) 4-Nitrophenol	9.20	109	354731	130.10 ng/uL	98
58) Dibenzofuran	9.31	168	4342789	137.14 ng/uL	99
59) 2,4-Dinitrotoluene	9.29	165	1003914	139.43 ng/uL	100
60) 2,3,5,6-Tetrachlorophenol	9.37	232	747661	155.59 ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	9.41	232	851539	146.87 ng/uL	99
62) Diethylphthalate	9.45	149	3419111	138.26 ng/uL	98
63) Fluorene	9.61	166	3699308	140.67 ng/uL	98
64) 4-Chlorophenyl phenyl ethe	9.58	204	1752858	148.69 ng/uL	99
65) 4-Nitroaniline	9.63	138	858483	136.94 ng/uL	99
66) Azobenzene	9.72	77	2860718	139.60 ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5973.D Vial: 10
Acq On : 17 Jun 2005 1:51 pm Operator: JOE K SOP 506
Sample : ICALSVSTD120 Inst : GC/MS Ins
Misc : ST050518-10 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:57 2005 Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:53:39 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.64	198	591374	152.65 ng/uL	97
70)	n-Nitrosodiphenylamine	9.69	169	3132359	148.42 ng/uL	99
71)	4-Bromophenyl phenyl ether	10.00	248	1048971	153.60 ng/uL	97
72)	Hexachlorobenzene	10.08	284	1189200	160.25 ng/uL	97
73)	Pentachlorophenol	10.24	266	417746	160.08 ng/uL	96
74)	Phenanthrene	10.45	178	4802975	141.65 ng/uL	98
75)	Anthracene	10.49	178	4986161	143.07 ng/uL	98
76)	Carbazole	10.61	167	4240644	135.04 ng/uL	99
77)	Di-n-butylphthalate	10.83	149	5505232	135.08 ng/uL	98
78)	Fluoranthene	11.49	202	5301274	143.73 ng/uL	98
80)	Benzidine	11.57	184	2530528	134.40 ng/uL	99
81)	Pyrene	11.71	202	5497254	131.51 ng/uL	97
83)	Butylbenzylphthalate	12.19	149	2813780	140.92 ng/uL	99
84)	Bis(2-ethylhexyl) adipate	12.19	129	2650399	152.59 ng/uL	99
85)	Benzo[a]anthracene	12.81	228	4841499	125.56 ng/uL	99
86)	3,3'-Dichlorobenzidine	12.75	252	1510962	125.95 ng/uL	100
87)	Chrysene	12.85	228	4551827	130.30 ng/uL	99
88)	Bis(2-ethylhexyl)phthalate	12.68	149	3217077	131.85 ng/uL	98
89)	Di-n-octylphthalate	13.29	149	4668072	129.73 ng/uL	99
91)	Benzo[b]fluoranthene	13.89	252	3100174m	154.15 ng/uL	
92)	Benzo[k]fluoranthene	13.92	252	3120038	156.98 ng/uL	98
93)	Benzo[a]pyrene	14.28	252	2485913	147.84 ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.84	276	1253367	96.63 ng/uL	99
95)	Dibenzo[a,h]anthracene	15.83	278	1120177	101.57 ng/uL	99
96)	Benzo[g,h,i]perylene	16.30	276	753574	82.69 ng/uL	100

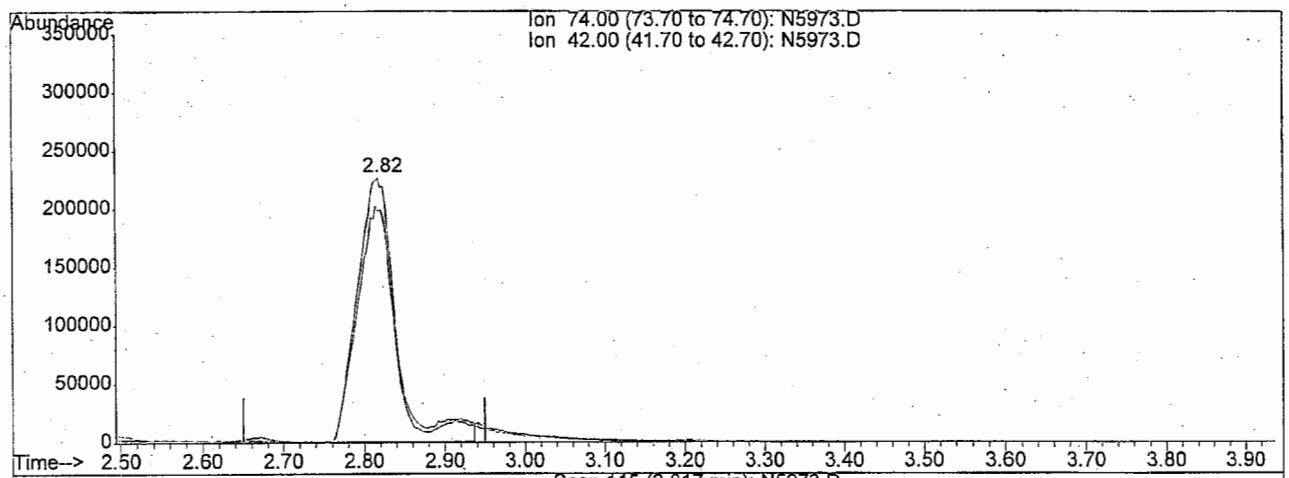
(#) = qualifier out of range (m) = manual integration

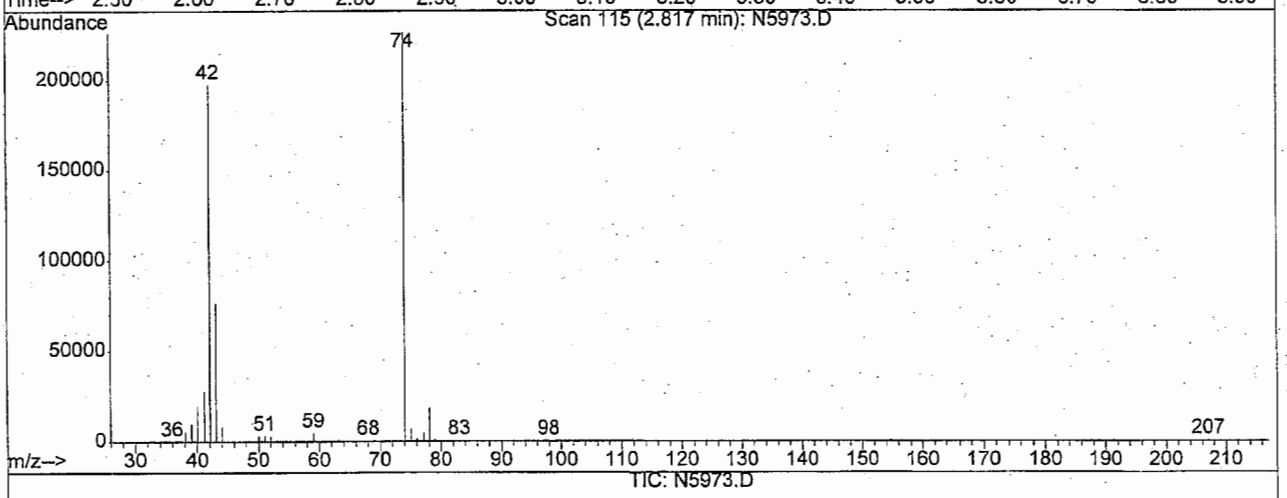
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5973.D
Acq On : 17 Jun 2005 1:51 pm
Sample : ICALSVSTD120
Misc : ST050518-10
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:53 2005

Vial: 10
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:54:28 2005
Response via : Multiple Level Calibration





TIC: N5973.D

(3) n-Nitrosodimethylamine (T)

2.82min 110.99ng/uL

response 753601

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	88.78
0.00	0.00	0.00
0.00	0.00	0.00

Before

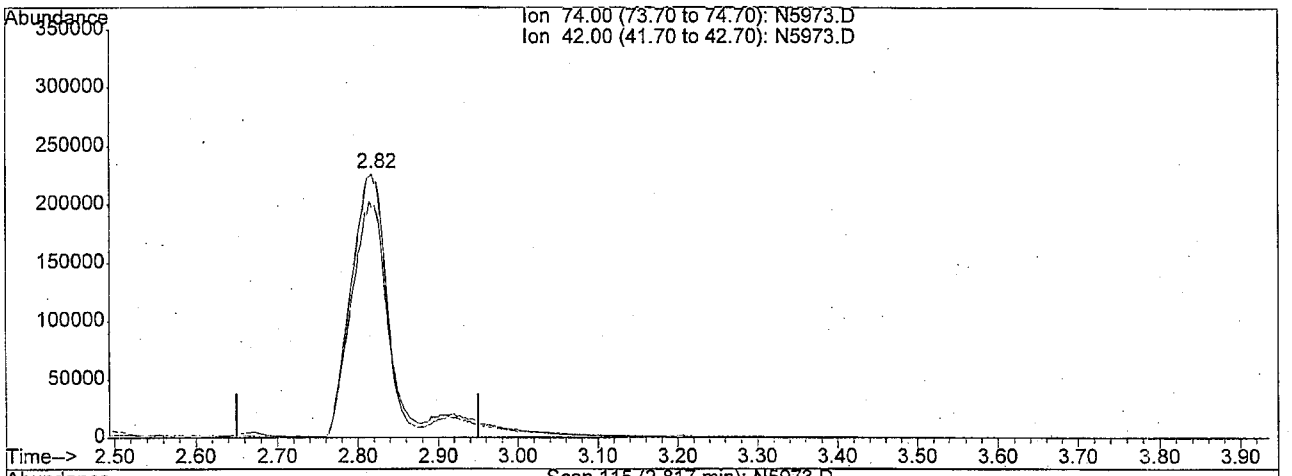
N5973.D 061705S1.M Fri Jun 17 14:55:26 2005

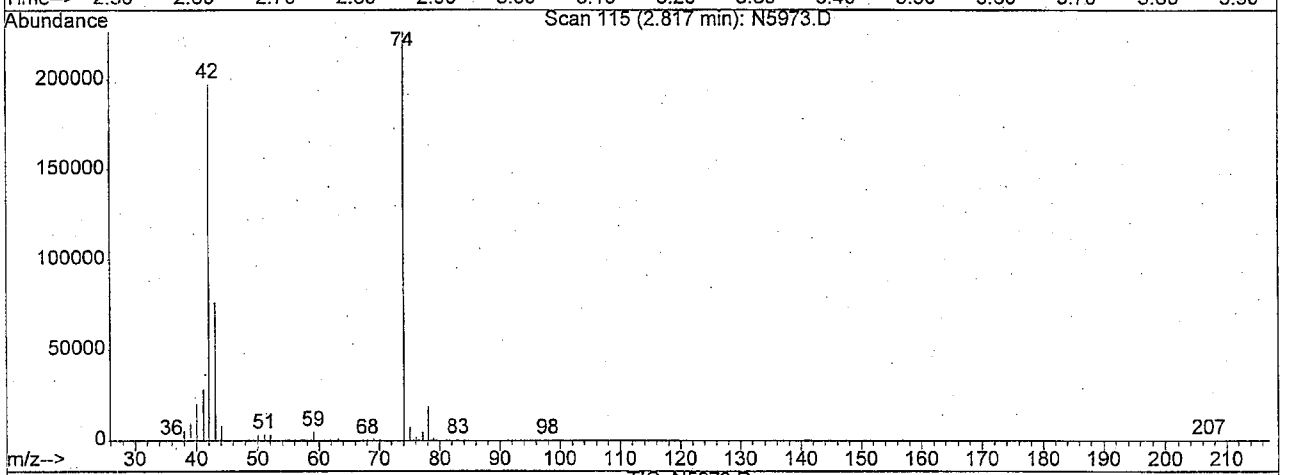
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5973.D
Acq On : 17 Jun 2005 1:51 pm
Sample : ICALSVSTD120
Misc : ST050518-10
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:55 2005

Vial: 10
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:54:28 2005
Response via : Multiple Level Calibration





TIC: N5973.D

(3) n-Nitrosodimethylamine (T)

2.82min 123.45ng/uL m

response 838182

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	79.82
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JC *date* 6-20-05

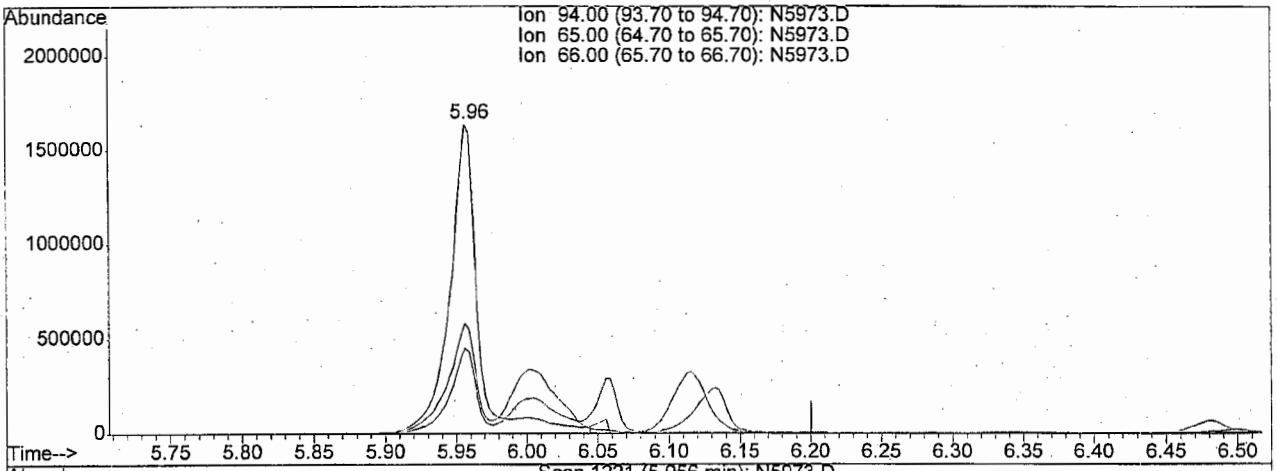
N5973.D 061705S1.M Fri Jun 17 14:55:31 2005

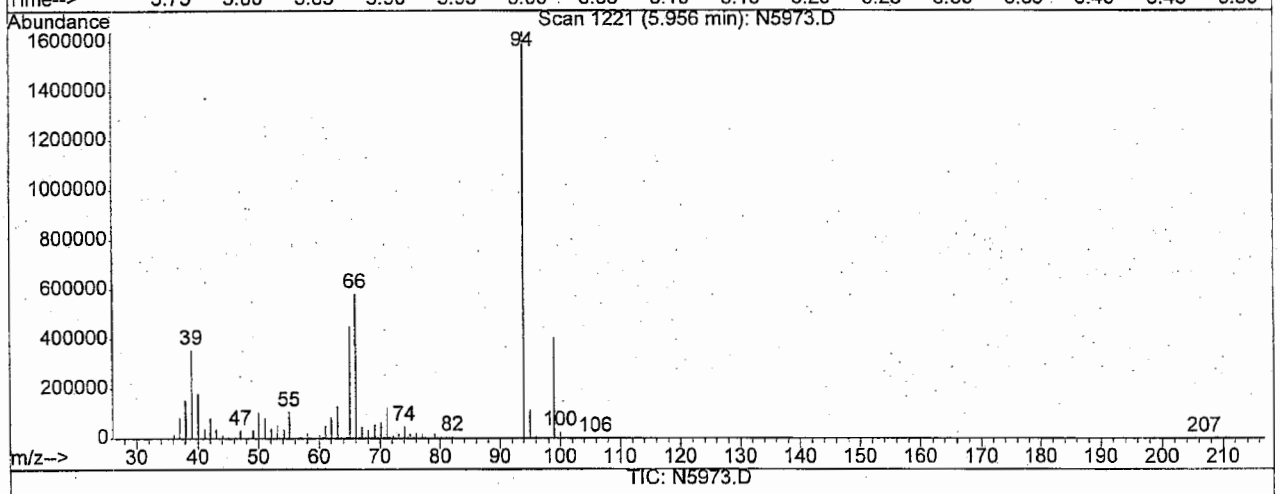
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5973.D
Acq On : 17 Jun 2005 1:51 pm
Sample : ICALSVSTD120
Misc : ST050518-10
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:55 2005

Vial: 10
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:54:28 2005
Response via : Multiple Level Calibration





TIC: N5973.D

(8) Phenol (TMC)

5.96min 152.27ng/uL

response 2282347

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	25.87
66.00	40.90	36.19
0.00	0.00	0.00

Before

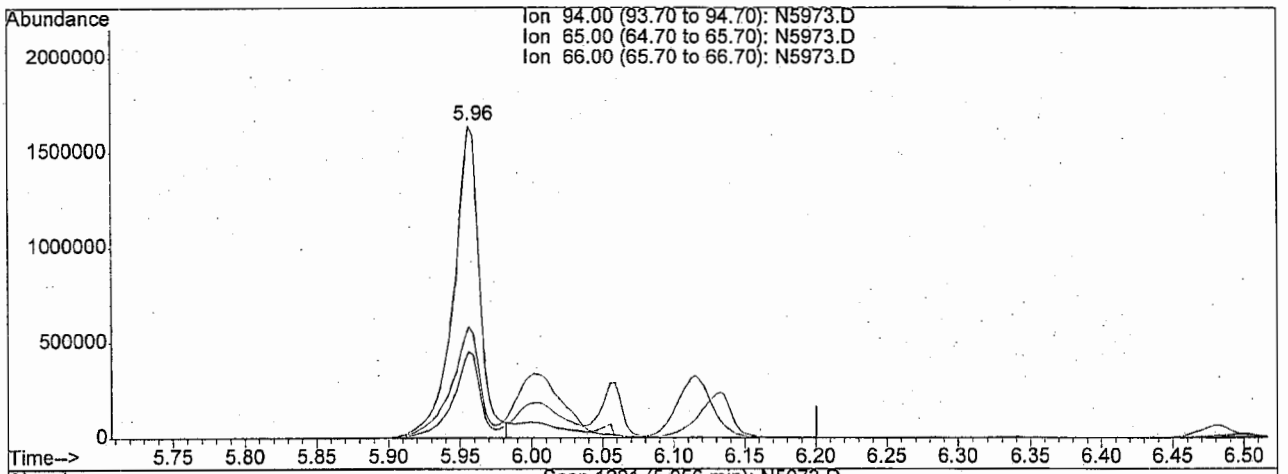
N5973.D 061705S1.M Fri Jun 17 14:55:50 2005

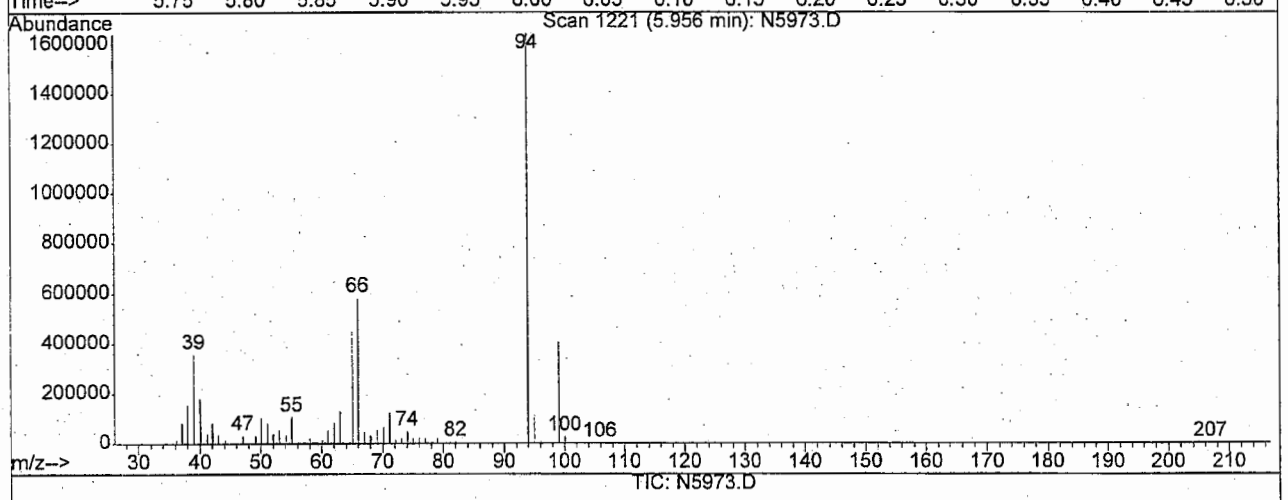
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5973.D
Acq On : 17 Jun 2005 1:51 pm
Sample : ICALSVSTD120
Misc : ST050518-10
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:55 2005

Vial: 10
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:54:28 2005
Response via : Multiple Level Calibration





TIC: N5973.D

(8) Phenol (TMC)

5.96min 137.70ng/uL m

response 2063925

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	28.60
66.00	40.90	40.02
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JK *date* 6-20-05

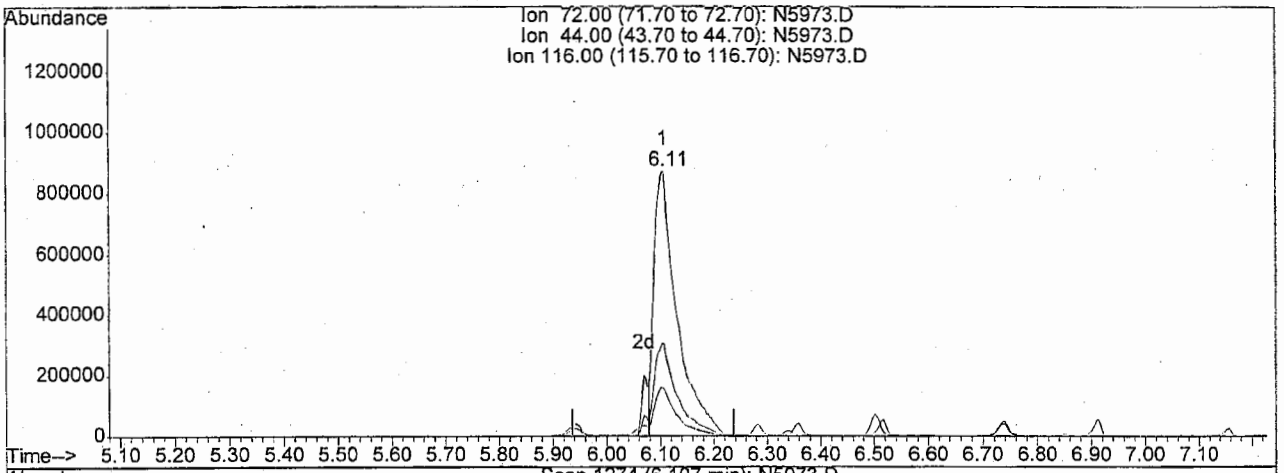
N5973.D 061705S1.M Fri Jun 17 14:55:56 2005

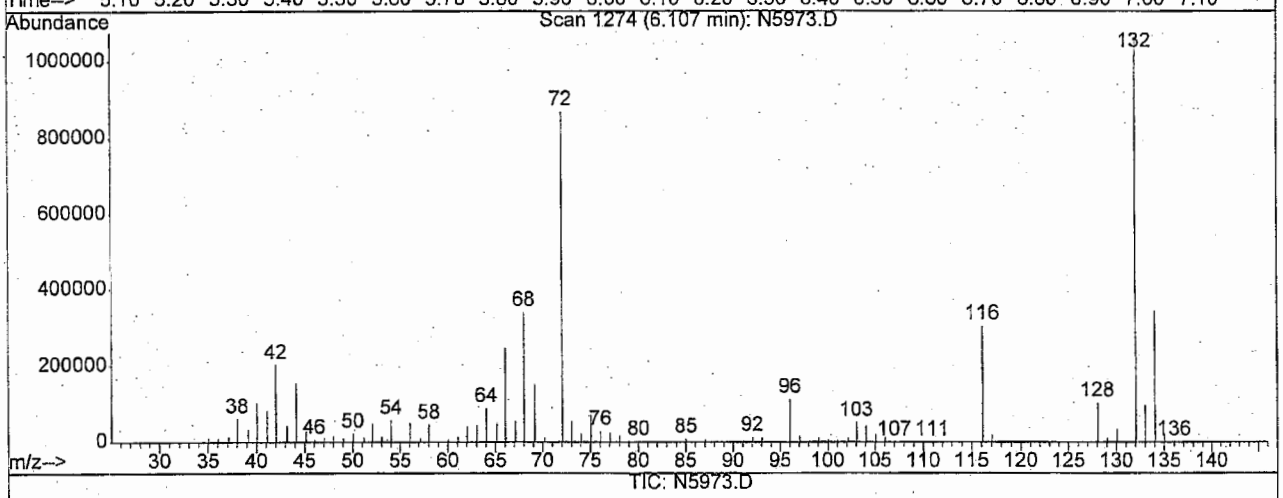
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5973.D
Acq On : 17 Jun 2005 1:51 pm
Sample : ICALSVSTD120
Misc : ST050518-10
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:55 2005

Vial: 10
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:54:28 2005
Response via : Multiple Level Calibration





(9) Tetramethylurea (T)

6.11min 118.60ng/uL

response 2599797

Ion	Exp%	Act%
72.00	100	100
44.00	18.80	17.65
116.00	34.60	34.19
0.00	0.00	0.00

Before

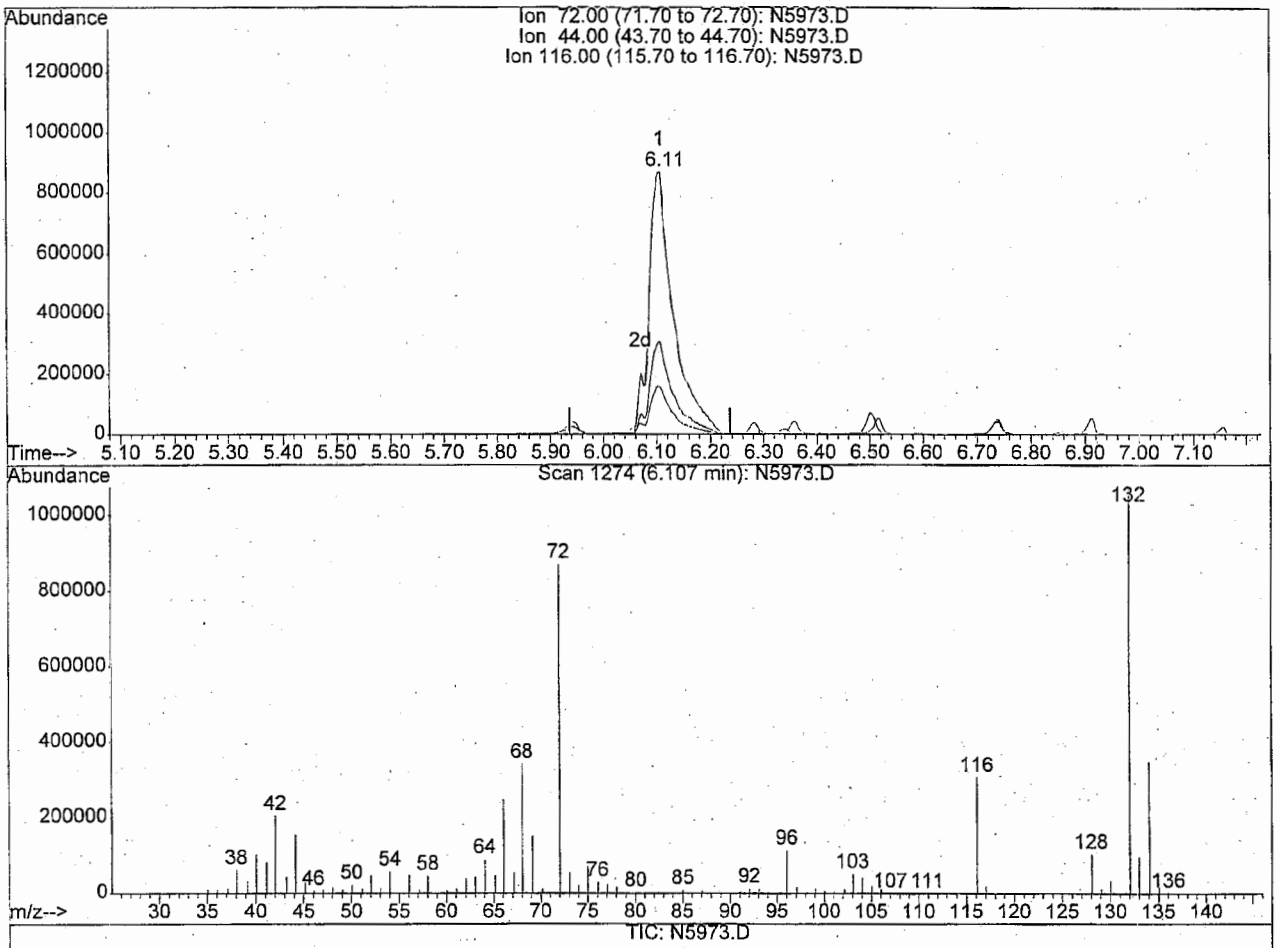
N5973.D 061705S1.M Fri Jun 17 14:56:07 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5973.D
Acq On : 17 Jun 2005 1:51 pm
Sample : ICALSVSTD120
Misc : ST050518-10
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:56 2005

Vial: 10
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:54:28 2005
Response via : Multiple Level Calibration



(9) Tetramethylurea (T)

6.11min 129.35ng/uL m

response 2835430

Ion	Exp%	Act%
72.00	100	100
44.00	18.80	16.18
116.00	34.60	31.34
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JI *date* 6-20-05

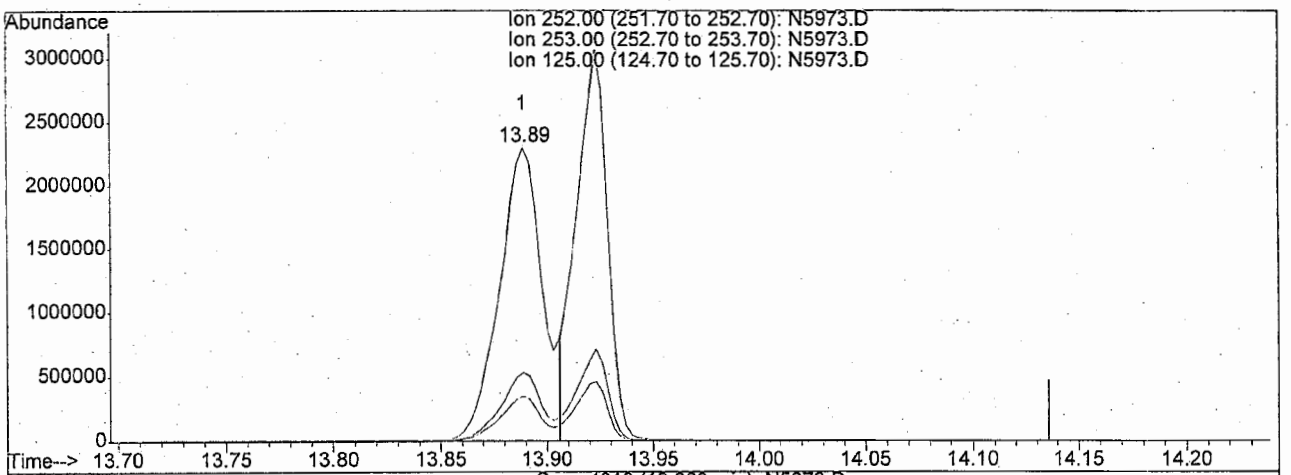
N5973.D 061705S1.M Fri Jun 17 14:56:11 2005

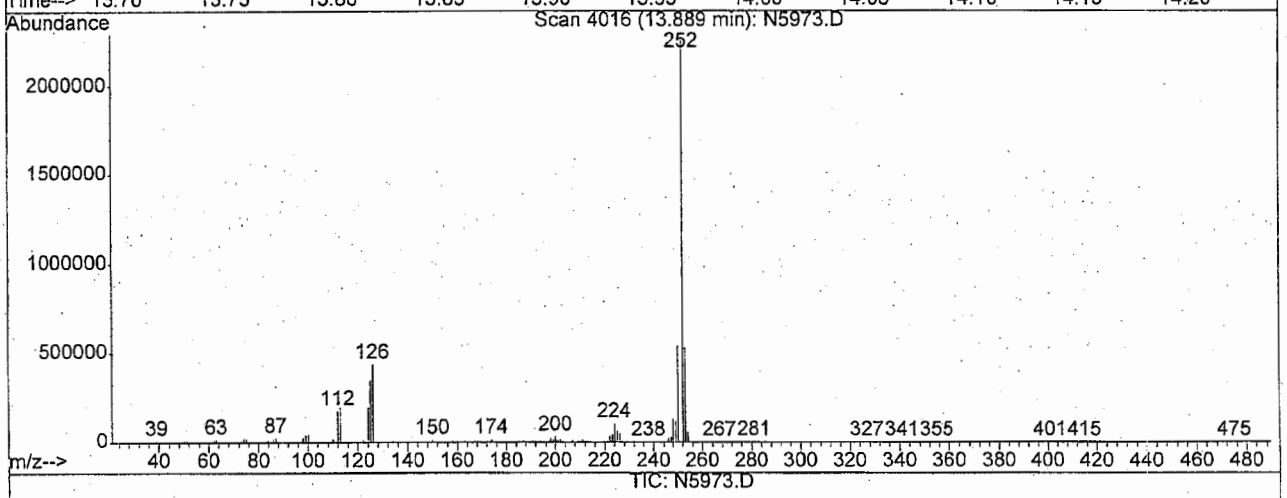
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5973.D
Acq On : 17 Jun 2005 1:51 pm
Sample : ICALSVSTD120
Misc : ST050518-10
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:56 2005

Vial: 10
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:54:28 2005
Response via : Multiple Level Calibration





(91) Benzo[b]fluoranthene (T)

13.89min 160.83ng/uL

response 3234570

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	22.56
125.00	14.40	14.30
0.00	0.00	0.00

Before

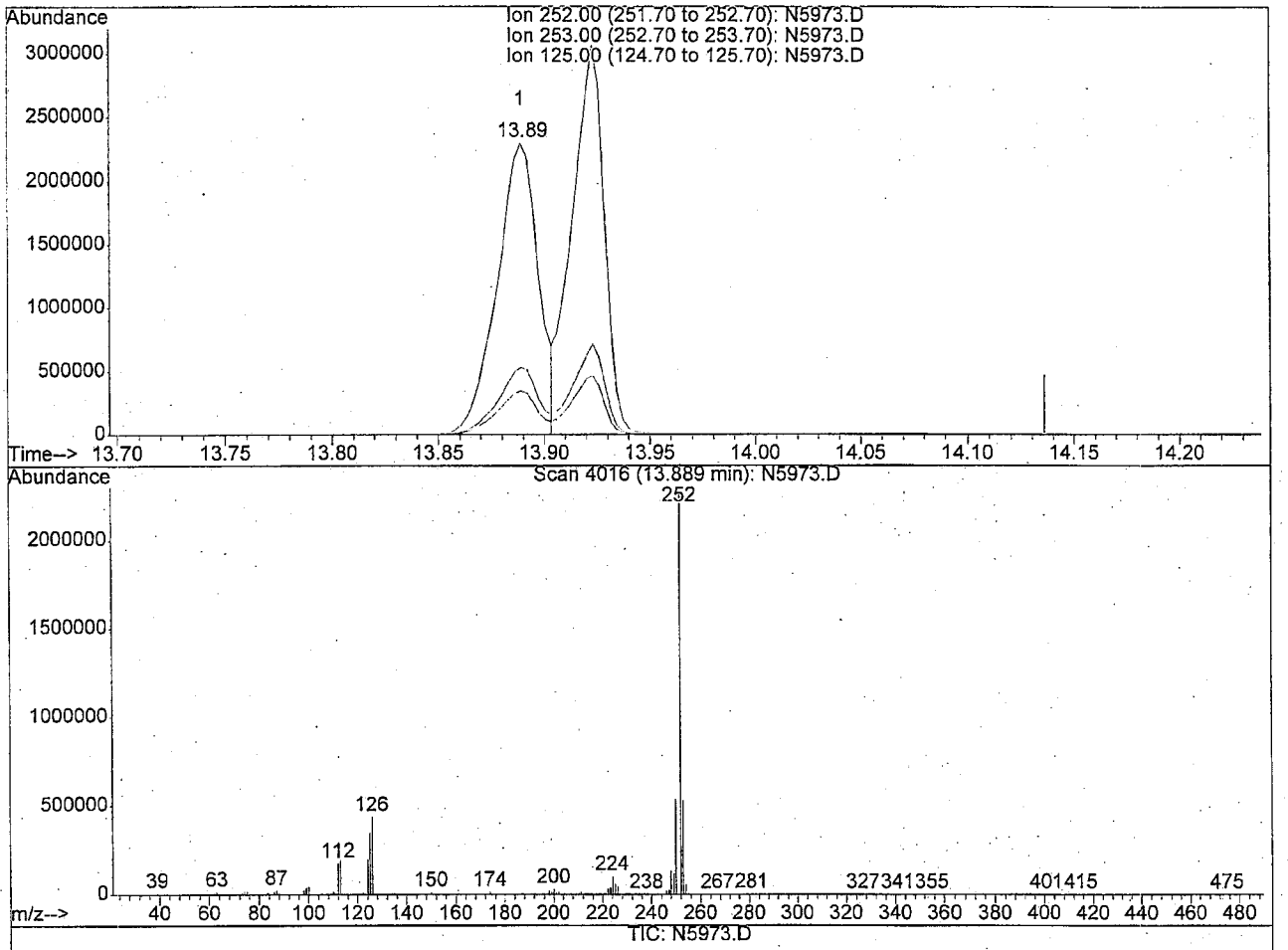
N5973.D 061705S1.M Fri Jun 17 14:57:04 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5973.D
Acq On : 17 Jun 2005 1:51 pm
Sample : ICALSVSTD120
Misc : ST050518-10
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:57 2005

Vial: 10
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:54:28 2005
Response via : Multiple Level Calibration



(91) Benzo[b]fluoranthene (T)

13.89min 154.15ng/uL m

response 3100174

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	23.54
125.00	14.40	14.92
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JL *date* 6-20-05

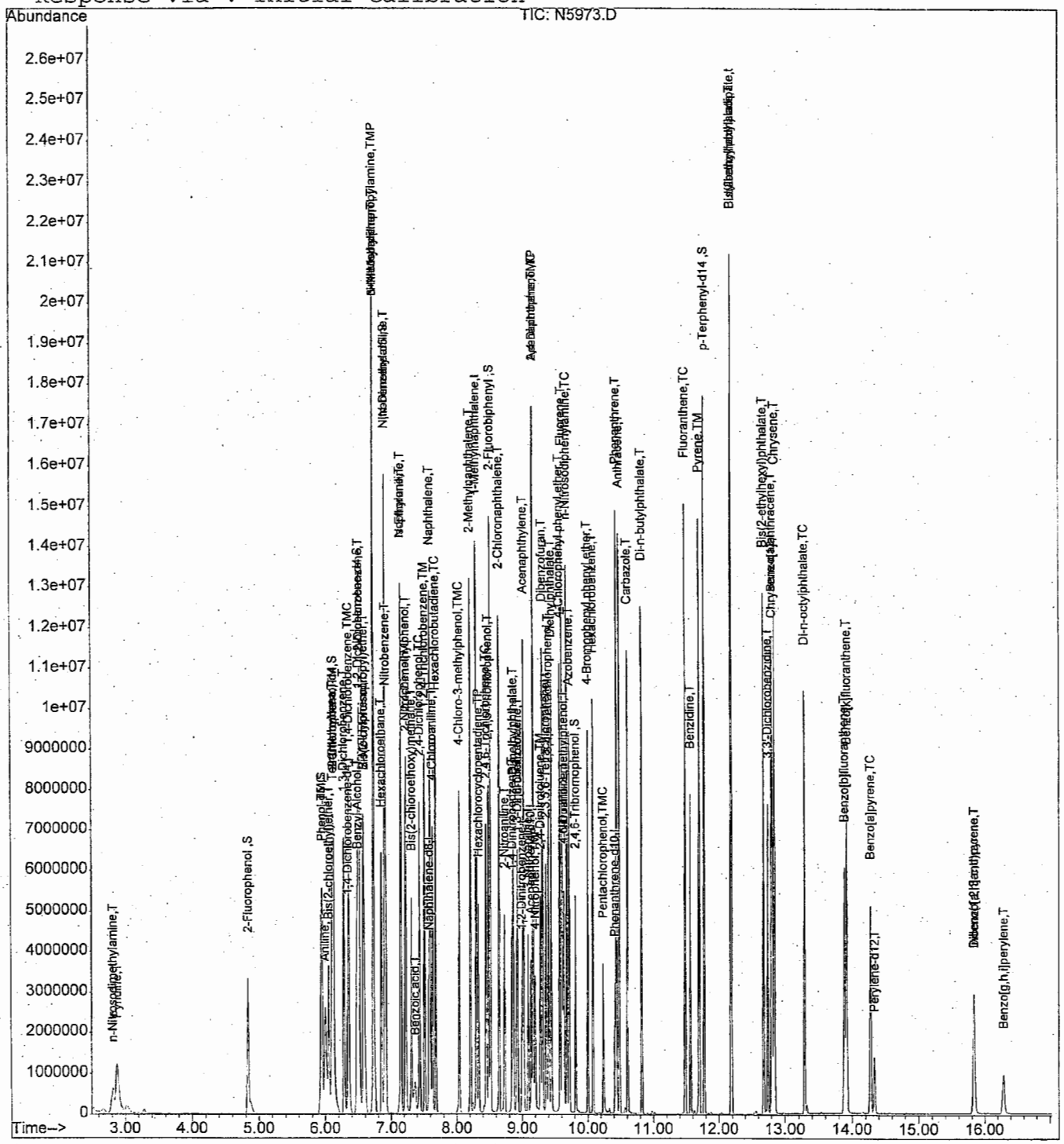
N5973.D 061705S1.M Fri Jun 17 14:57:09 2005

Quantitation Report

Data File : D:\HPCHEM\1\DATA\061705\N5973.D
Acq On : 17 Jun 2005 1:51 pm
Sample : ICALSVSTD120
Misc : ST050518-10
MS Integration Params: RTEINT.P
Quant Time: Jun 17 14:57 2005

Vial: 10
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 14:57:43 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5974.D
Acq On : 17 Jun 2005 2:19 pm
Sample : ICVSVSTD050
Misc : ST050518-11
MS Integration Params: RTEINT.P
Quant Time: Jun 17 15:03 2005

Vial: 11
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 15:01:37 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	508817	40.00	ng/uL	0.00
23) Naphthalene-d8	7.57	136	1792031	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.13	164	984171	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.42	188	1528637	40.00	ng/uL	0.00
79) Chrysene-d12	12.82	240	1577181	40.00	ng/uL	0.00
90) Perylene-d12	14.34	264	822656	40.00	ng/uL	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	4.84	112	36	0.00	ng/uL	0.01
Spiked Amount 75.000	Range 21 - 100		Recovery = 0.00%#			
5) 2-Chlorophenol-d4	6.12	132	1237	0.07	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 0.09%#			
7) Phenol-d5	6.06	99	3311	0.19	ng/uL	0.14
Spiked Amount 75.000	Range 15 - 104		Recovery = 0.25%#			
14) 1,2-Dichlorobenzene-d4	0.00	152	0	0.00	ng/uL	
Spiked Amount 50.000	Range 16 - 110		Recovery = 0.00%#			
24) Nitrobenzene-d5	6.85	82	82665	5.04	ng/uL	-0.05
Spiked Amount 50.000	Range 34 - 111		Recovery = 10.08%#			
45) 2-Fluorobiphenyl	8.58	172	1502	0.04	ng/uL	0.06
Spiked Amount 50.000	Range 21 - 106		Recovery = 0.08%#			
67) 2,4,6-Tribromophenol	9.81	330	46	0.01	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 0.01%#			
82) p-Terphenyl-d14	11.77	244	666	0.02	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 0.04%#			

Target Compounds						Qvalue
2) Pyridine	2.86	79	723043m	47.90	ng/uL	
3) n-Nitrosodimethylamine	2.81	74	362919m	49.64	ng/uL	
6) Aniline	5.99	93	944037	47.85	ng/uL	99
8) Phenol	5.94	94	754337	46.04	ng/uL	96
9) Tetramethylurea	6.06	72	1083496	45.61	ng/uL	99
10) Bis(2-chloroethyl)ether	6.04	93	681622	52.48	ng/uL	98
11) 2-Chlorophenol	6.12	128	804396	46.23	ng/uL	94
12) 1,3-Dichlorobenzene	6.28	146	933876	50.36	ng/uL	99
13) 1,4-Dichlorobenzene	6.35	146	972927	49.25	ng/ul	100
15) 1,2-Dichlorobenzene	6.51	146	888473	47.74	ng/uL	99
16) Benzyl Alcohol	6.47	108	484291	48.38	ng/uL	98
17) Bis(2-chloroisopropyl)ethe	6.59	45	561081	48.20	ng/uL	99
18) 2-Methylphenol	6.57	107	610787	47.62	ng/uL	99
19) n-Nitroso-di-n-propylamine	6.72	70	536706	50.06	ng/uL	99
20) 3+4-Methylphenol	6.72	108	915780	50.64	ng/uL	96
21) N-Methylaniline	6.72	106	1296383	46.98	ng/uL	95

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5974.D
Acq On : 17 Jun 2005 2:19 pm
Sample : ICVSVSTD050
Misc : ST050518-11
MS Integration Params: RTEINT.P
Quant Time: Jun 17 15:03 2005

Vial: 11
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 15:01:37 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22)	Hexachloroethane	6.85	117	342131	49.09 ng/uL	99
25)	N,N-Dimethylaniline	6.90	120	1250855	44.78 ng/uL	96
26)	Nitrobenzene	6.91	77	1010593	47.42 ng/uL	98
27)	Isophorone	7.13	82	1285463	51.48 ng/uL	100
28)	N-Ethylaniline	7.15	106	1470477	46.60 ng/uL	99
29)	2-Nitrophenol	7.21	139	420800	50.17 ng/uL	98
30)	2,4-Dimethylphenol	7.22	107	832388	52.97 ng/uL	99
31)	Bis(2-chloroethoxy)methane	7.31	93	730600	46.86 ng/uL	100
32)	2,4-Dichlorophenol	7.43	162	671473	50.90 ng/uL	100
33)	Benzoic acid	7.34	105	247216	45.76 ng/uL	97
34)	1,2,4-Trichlorobenzene	7.51	180	727524	49.72 ng/uL	100
35)	Naphthalene	7.59	128	2402484	49.84 ng/uL	100
36)	4-Chloroaniline	7.63	127	981340	51.70 ng/uL	99
37)	Hexachlorobutadiene	7.68	225	461304	55.14 ng/uL	99
38)	4-Chloro-3-methylphenol	8.03	107	590236	48.32 ng/uL	99
39)	2-Methylnaphthalene	8.21	142	1625597	51.41 ng/uL	99
41)	1-Methylnaphthalene	8.30	142	1430782	45.08 ng/uL	100
42)	Hexachlorocyclopentadiene	8.34	237	226998	49.43 ng/uL	99
43)	2,4,6-Trichlorophenol	8.45	196	398823	47.83 ng/uL	99
44)	2,4,5-Trichlorophenol	8.48	196	430484	45.65 ng/uL	98
46)	2-Chloronaphthalene	8.65	162	1472006	49.53 ng/uL	100
47)	2-Nitroaniline	8.73	65	336755	52.68 ng/uL	99
48)	1,4-Dinitrobenzene	8.84	168	239660	51.74 ng/uL	99
49)	Dimethylphthalate	8.85	163	1476931	47.38 ng/uL	100
50)	1,3-Dinitrobenzene	8.91	168	234763	46.79 ng/uL	96
51)	2,6-Dinitrotoluene	8.92	165	368186	50.49 ng/uL	98
52)	1,2-Dinitrobenzene	8.98	168	153021	46.64 ng/uL	97
53)	Acenaphthylene	9.02	152	2282517	49.53 ng/uL	99
54)	3-Nitroaniline	9.08	138	386143	53.15 ng/uL	99
55)	Acenaphthene	9.16	154	1548609	51.44 ng/uL	99
56)	2,4-Dinitrophenol	9.17	184	198273	57.67 ng/uL	82
57)	4-Nitrophenol	9.19	109	160367	47.90 ng/uL	97
58)	Dibenzofuran	9.31	168	1984699	50.85 ng/uL	99
59)	2,4-Dinitrotoluene	9.27	165	455753	51.23 ng/uL	98
60)	2,3,5,6-Tetrachlorophenol	9.37	232	284080	46.84 ng/uL	99
61)	2,3,4,6-Tetrachlorophenol	9.40	232	302504	41.75 ng/uL	98
62)	Diethylphthalate	9.44	149	1470132	48.18 ng/uL	99
63)	Fluorene	9.60	166	1661602	51.08 ng/uL	100
64)	4-Chlorophenyl phenyl ethe	9.57	204	672836	45.76 ng/uL	98
65)	4-Nitroaniline	9.61	138	436748	56.53 ng/uL	99
66)	Azobenzene	9.71	77	1313088	51.86 ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\061705\N5974.D
Acq On : 17 Jun 2005 2:19 pm
Sample : ICVSVSTD050
Misc : ST050518-11
MS Integration Params: RTEINT.P
Quant Time: Jun 17 15:03 2005

Vial: 11
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 15:01:37 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.63	198	266730	51.70	ng/uL	99
70)	n-Nitrosodiphenylamine	9.67	169	1281640	46.30	ng/uL	99
71)	4-Bromophenyl phenyl ether	10.00	248	360891	40.08	ng/uL	99
72)	Hexachlorobenzene	10.08	284	482329	48.96	ng/uL	99
73)	Pentachlorophenol	10.24	266	184355	54.72	ng/uL	97
74)	Phenanthrene	10.44	178	2219105	50.24	ng/uL	100
75)	Anthracene	10.48	178	2266099	49.84	ng/uL	100
76)	Carbazole	10.61	167	2080027	51.19	ng/uL	99
77)	Di-n-butylphthalate	10.82	149	2533774	48.04	ng/uL	100
78)	Fluoranthene	11.48	202	2378068	49.39	ng/uL	100
80)	Benzidine	11.56	184	1181573	48.45	ng/uL	100
81)	Pyrene	11.70	202	2494184	46.20	ng/uL	99
83)	Butylbenzylphthalate	12.18	149	1329923	51.08	ng/uL	99
84)	Bis(2-ethylhexyl) adipate	12.19	129	1088295	47.49	ng/uL	99
85)	Benzo[a]anthracene	12.80	228	2372187	47.93	ng/uL	100
86)	3,3'-Dichlorobenzidine	12.74	252	803802	52.18	ng/uL	99
87)	Chrysene	12.84	228	2234106	49.58	ng/uL	99
88)	Bis(2-ethylhexyl)phthalate	12.68	149	1469758	46.63	ng/uL	100
89)	Di-n-octylphthalate	13.28	149	2264984	48.83	ng/uL	100
91)	Benzo[b]fluoranthene	13.88	252	1777585	49.35	ng/uL	100
92)	Benzo[k]fluoranthene	13.91	252	1772212	49.64	ng/uL	100
93)	Benzo[a]pyrene	14.28	252	1565631	52.32	ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.83	276	1113225	50.86	ng/uL	100
95)	Dibenzo[a,h]anthracene	15.83	278	959881	51.31	ng/uL	99
96)	Benzo[g,h,i]perylene	16.29	276	723087	47.73	ng/uL	100

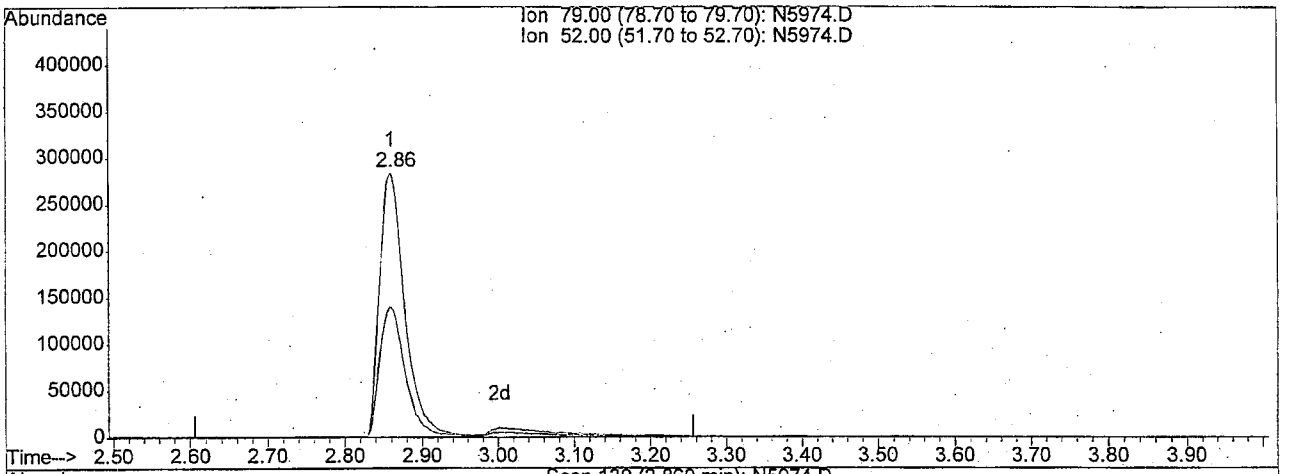
(#) = qualifier out of range (m) = manual integration

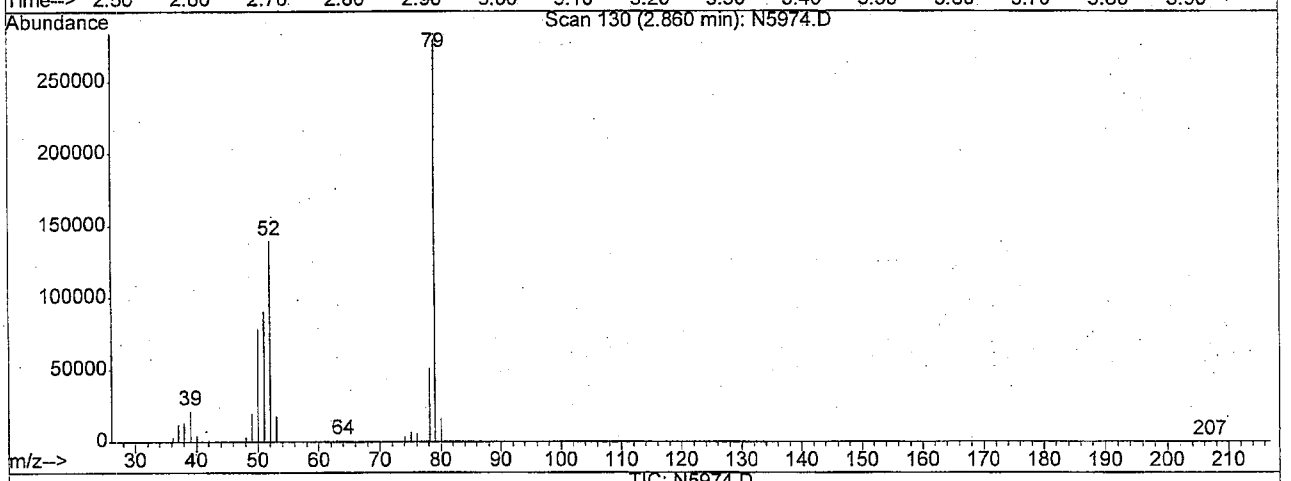
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5974.D
Acq On : 17 Jun 2005 2:19 pm
Sample : ICVSVSTD050
Misc : ST050518-11
MS Integration Params: RTEINT.P
Quant Time: Jun 17 15:02 2005

Vial: 11
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 15:01:37 2005
Response via : Multiple Level Calibration





TIC: N5974.D

(2) Pyridine (T)

2.86min 42.47ng/uL

response 641061

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	49.87
0.00	0.00	0.00
0.00	0.00	0.00

Scton

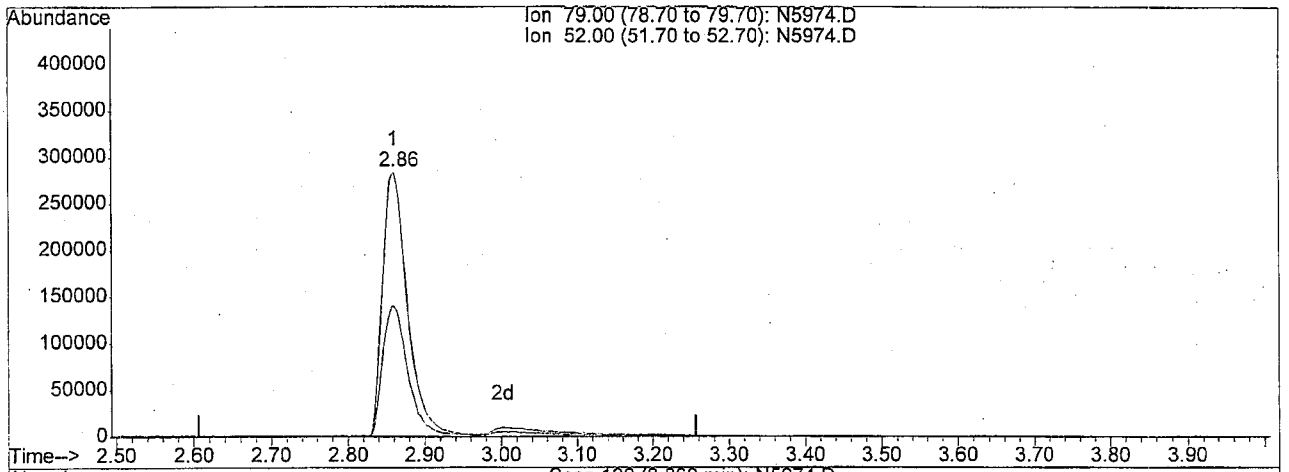
N5974.D 061705S1.M Fri Jun 17 15:03:20 2005

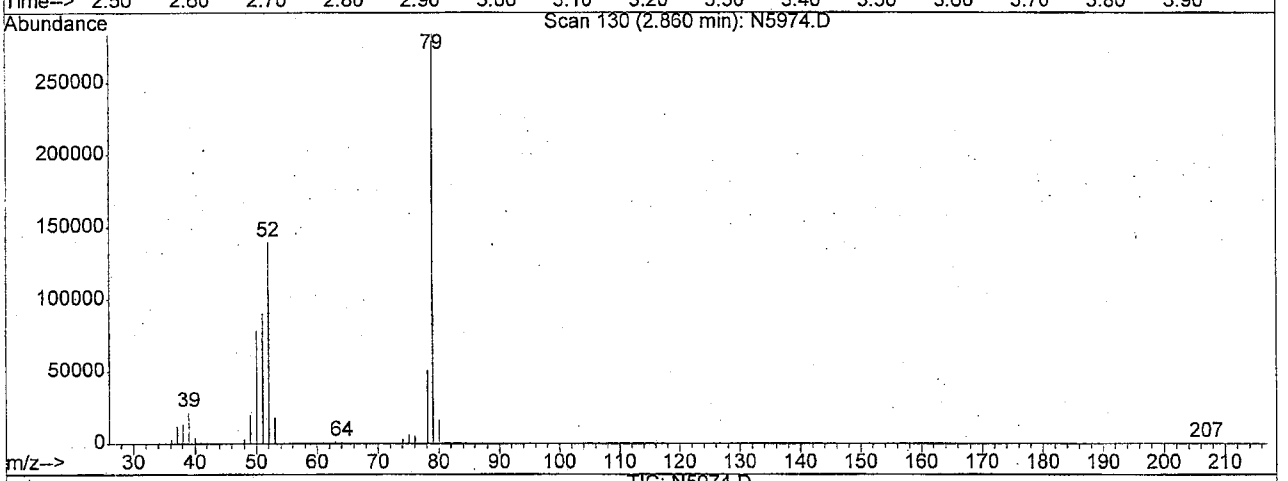
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5974.D
Acq On : 17 Jun 2005 2:19 pm
Sample : ICVSVSTD050
Misc : ST050518-11
MS Integration Params: RTEINT.P
Quant Time: Jun 17 15:03 2005

Vial: 11
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 15:01:37 2005
Response via : Multiple Level Calibration





TIC: N5974.D

(2) Pyridine (T)

2.86min 47.90ng/uL m

response 723043

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	44.21
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 6-20-05

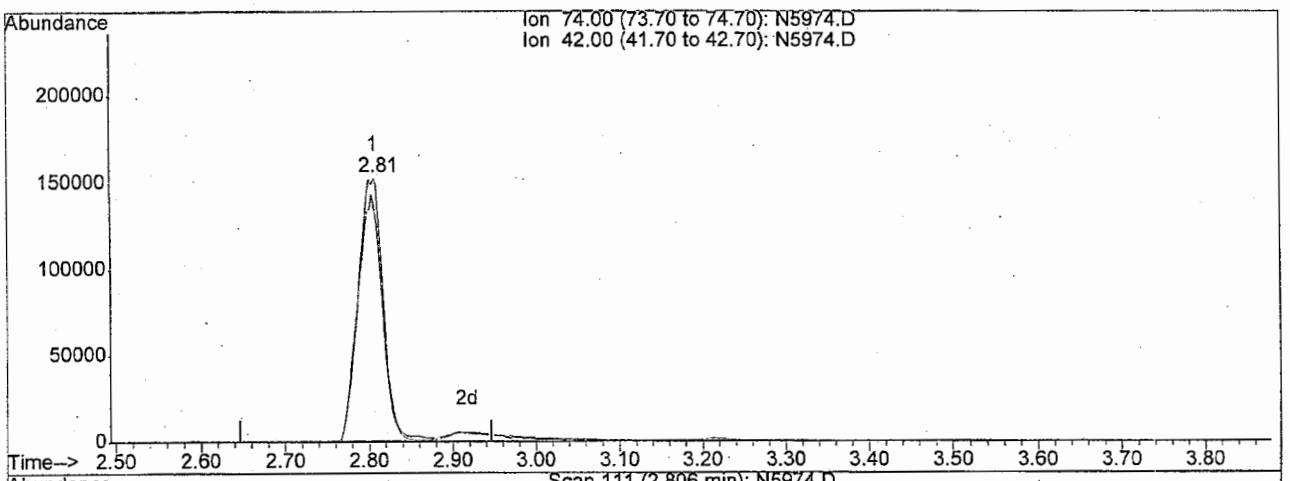
N5974.D 061705S1.M Fri Jun 17 15:03:28 2005

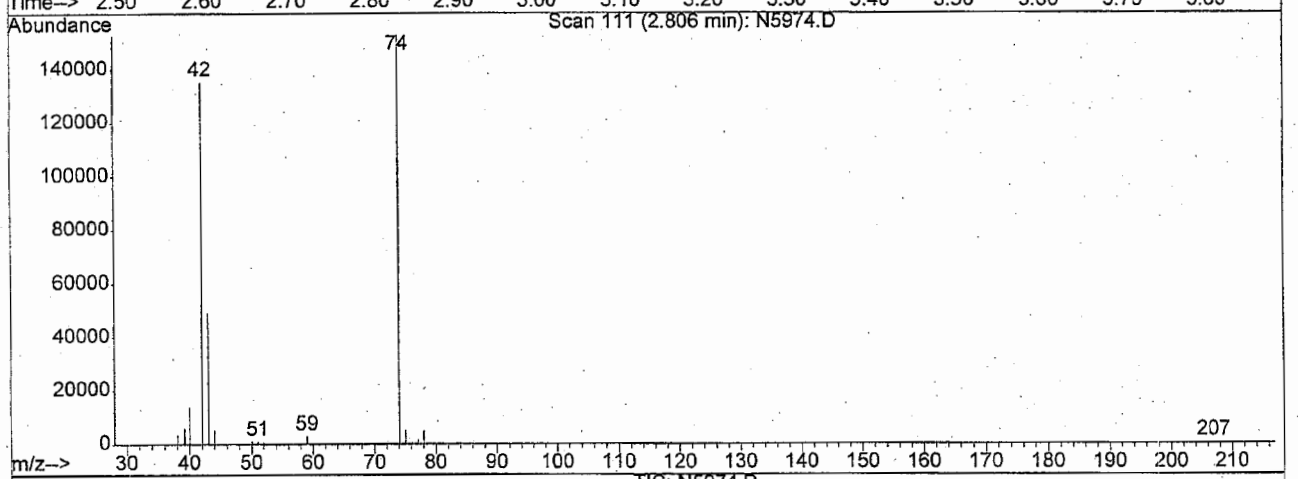
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5974.D
Acq On : 17 Jun 2005 2:19 pm
Sample : ICVSVSTD050
Misc : ST050518-11
MS Integration Params: RTEINT.P
Quant Time: Jun 17 15:03 2005

Vial: 11
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 15:01:37 2005
Response via : Multiple Level Calibration





TIC: N5974.D

(3) n-Nitrosodimethylamine (T)

2.81min 44.15ng/uL

response 322782

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	90.17
0.00	0.00	0.00
0.00	0.00	0.00

Scfore

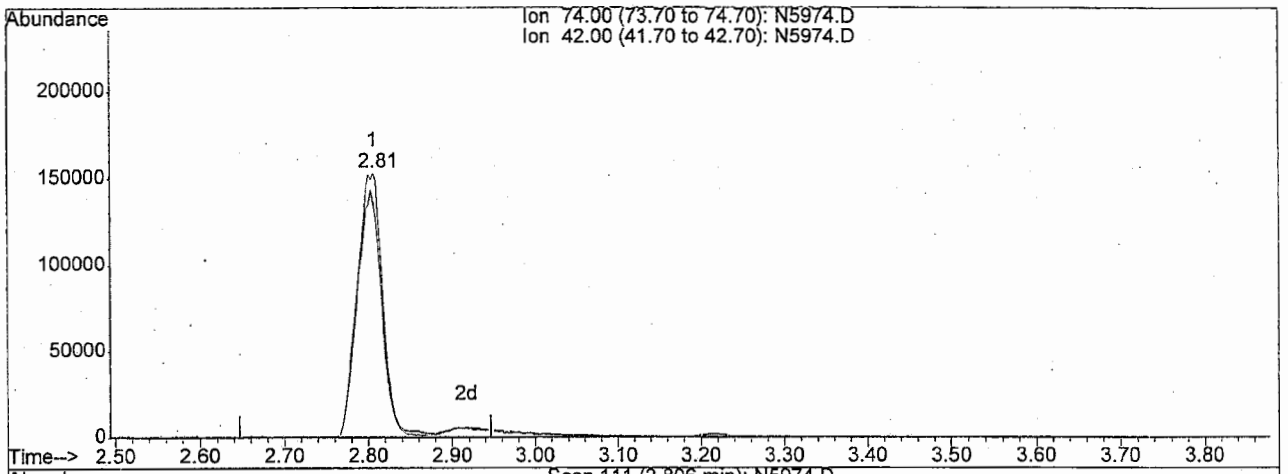
N5974.D 061705S1.M Fri Jun 17 15:03:32 2005

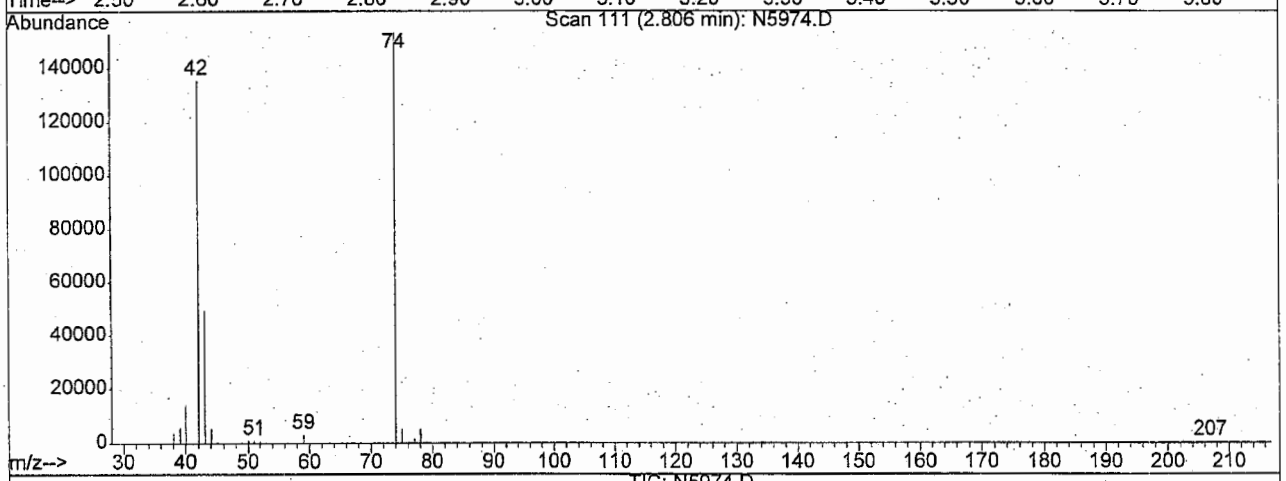
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\061705\N5974.D
Acq On : 17 Jun 2005 2:19 pm
Sample : ICVSVSTD050
Misc : ST050518-11
MS Integration Params: RTEINT.P
Quant Time: Jun 17 15:03 2005

Vial: 11
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 15:01:37 2005
Response via : Multiple Level Calibration





(3) n-Nitrosodimethylamine (T)

2.81min 49.64ng/uL m

response 362919

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	80.19
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

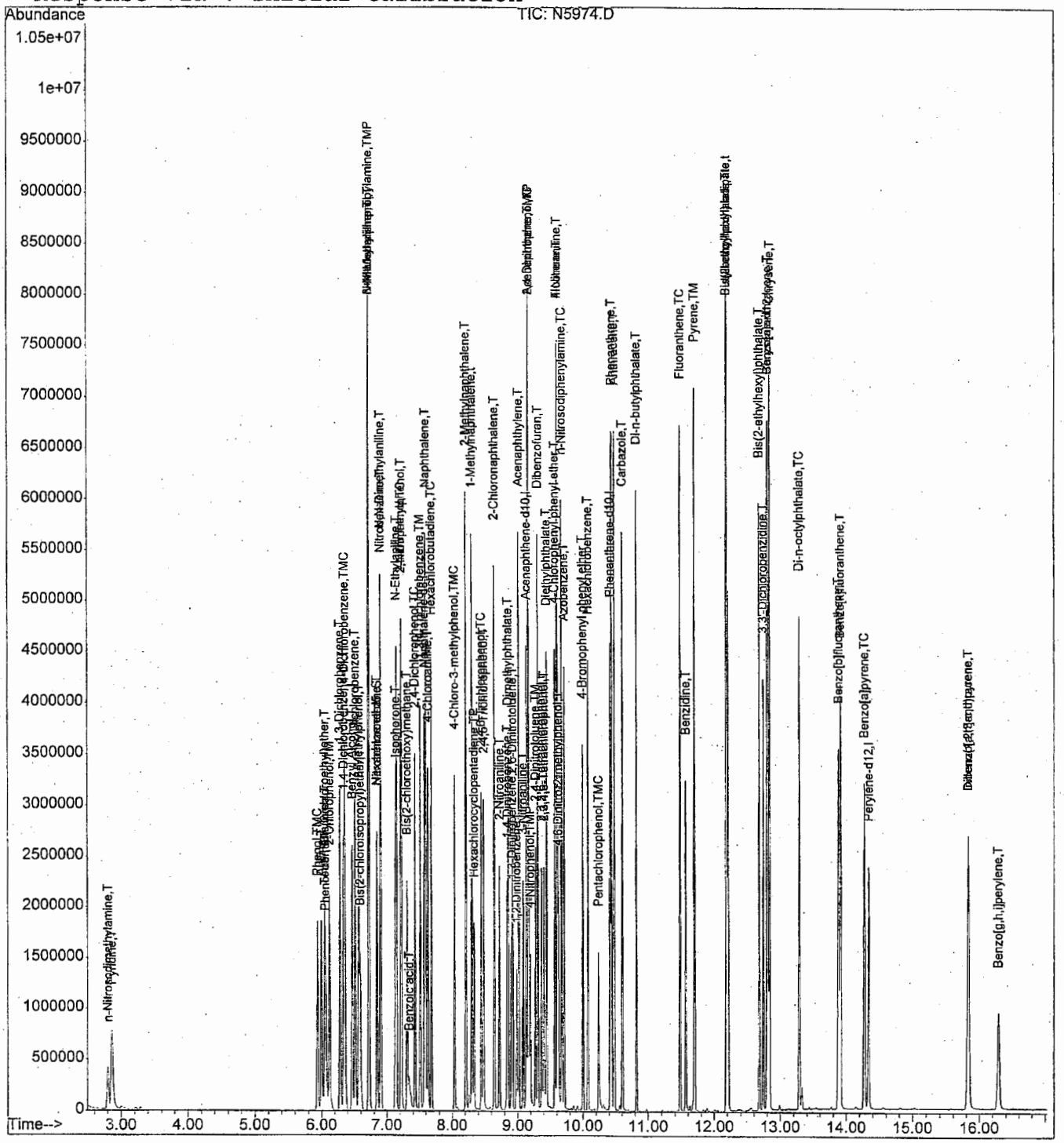
initials JK *date* 6-20-05

Quantitation Report

Data File : D:\HPCHEM\1\DATA\061705\N5974.D
Acq On : 17 Jun 2005 2:19 pm
Sample : ICVSVSTD050
Misc : ST050518-11
MS Integration Params: RTEINT.P
Quant Time: Jun 17 15:03 2005

Vial: 11
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

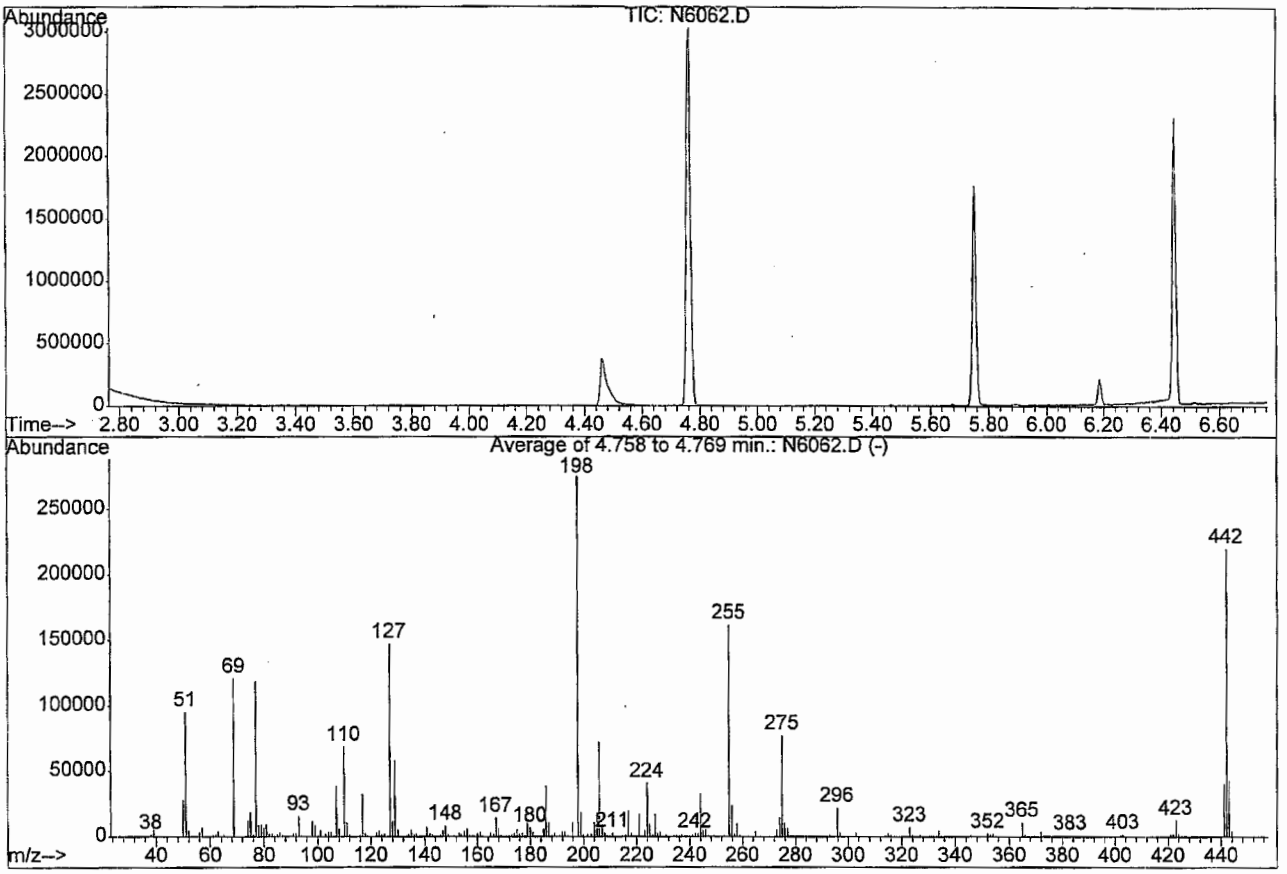
Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jun 17 15:01:37 2005
Response via : Initial Calibration



DFTPP

Data File : D:\HPCHEM\1\DATA\070105\N6062.D
Acq On : 1 Jul 2005 11:09 am
Sample : 50 ppm dftpp+PCP+DDT+benzidine
Misc : ST050321-3
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP

Vial: 1
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00



AutoFind: Scans 406, 407, 408; Background Corrected with Scan 400

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.7	95221	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	44.0	120835	PASS
70	69	0.00	2	0.5	649	PASS
127	198	40	60	53.6	147323	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	274688	PASS
199	198	5	9	6.7	18507	PASS
275	198	10	30	28.1	77203	PASS
365	198	1	100	3.9	10604	PASS
441	443	0.01	100	94.2	40235	PASS
442	198	40	100	80.0	219840	PASS
443	442	17	23	19.4	42717	PASS

N6062.D DFTPP.M Fri Jul 01 11:18:23 2005

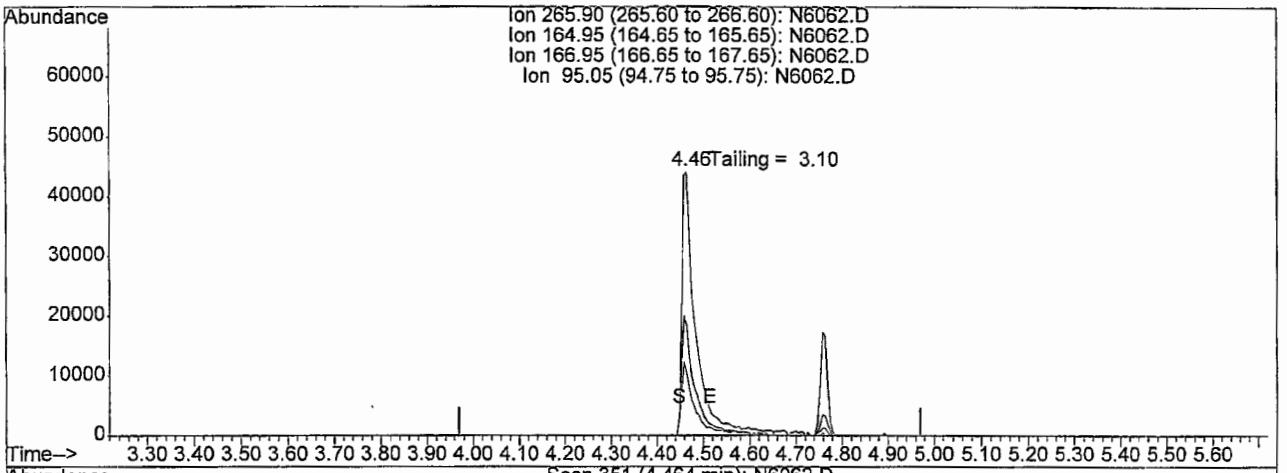
JC 7-5-05

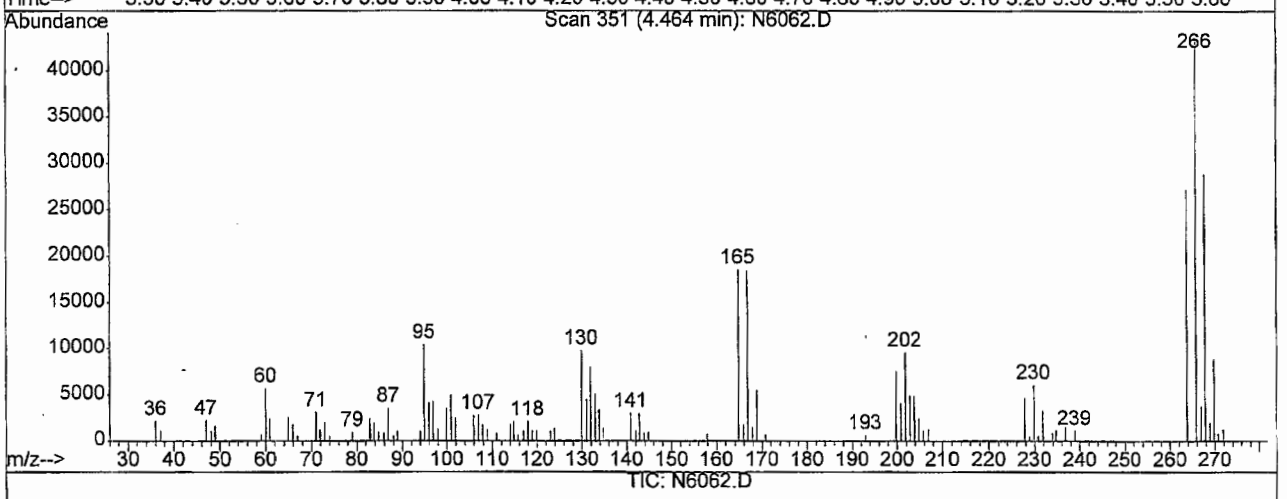
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6062.D
Acq On : 1 Jul 2005 11:09 am
Sample : 50 ppm dftpp+PCP+DDT+benzidine
Misc : ST050321-3
MS Integration Params: rteint.p
Quant Time: Jul 1 11:57 2005

Vial: 1
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Thu Jun 30 11:07:51 2005
Response via : Single Level Calibration





TIC: N6062.D

(1) Pentachlorophenol

4.46min 56.68

response 93819

Ion	Exp%	Act%
265.90	100	100
164.95	0.00	43.10#
166.95	0.00	41.70#
95.05	0.00	25.54#

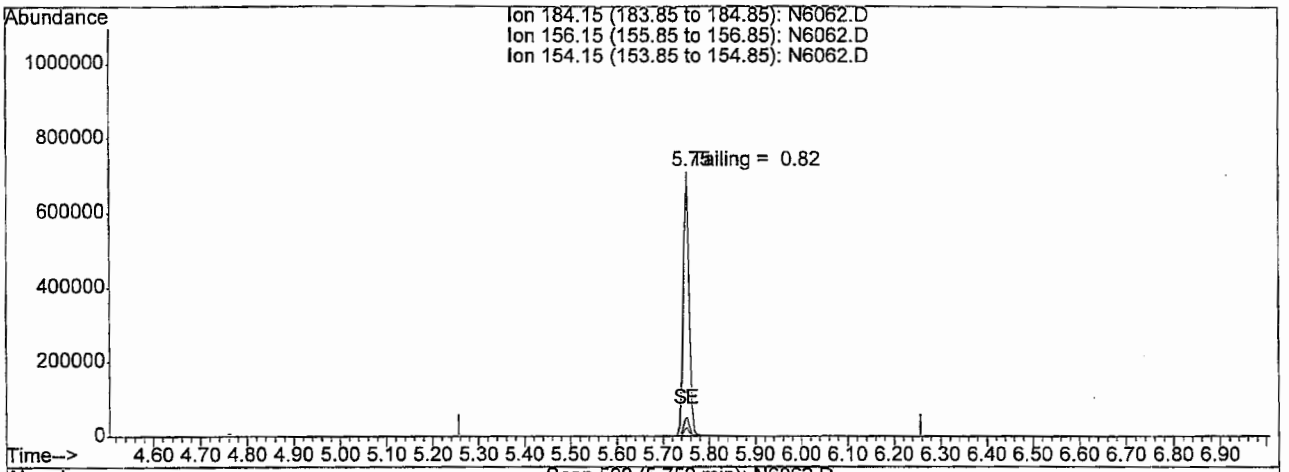
JK 7-3-05

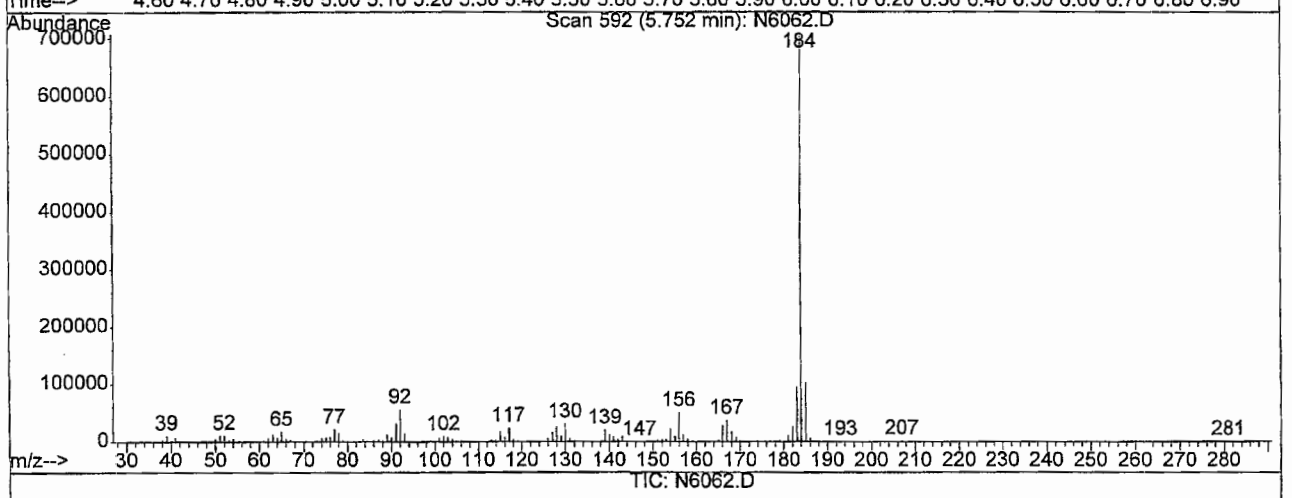
N6062.D DFTPP.M Fri Jul 01 11:57:26 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6062.D Vial: 1
Acq On : 1 Jul 2005 11:09 am Operator: JOE K SOP
Sample : 50 ppm dftpp+PCP+DDT+benzidine Inst : GC/MS Ins
Misc : ST050321-3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 1 11:57 2005 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Thu Jun 30 11:07:51 2005
Response via : Single Level Calibration





(3) Benzidine

5.75min 24.24

response 615574

Ion	Exp%	Act%
184.15	100	100
156.15	0.00	7.19#
154.15	0.00	3.11#
0.00	0.00	0.00

JK 7-3-05

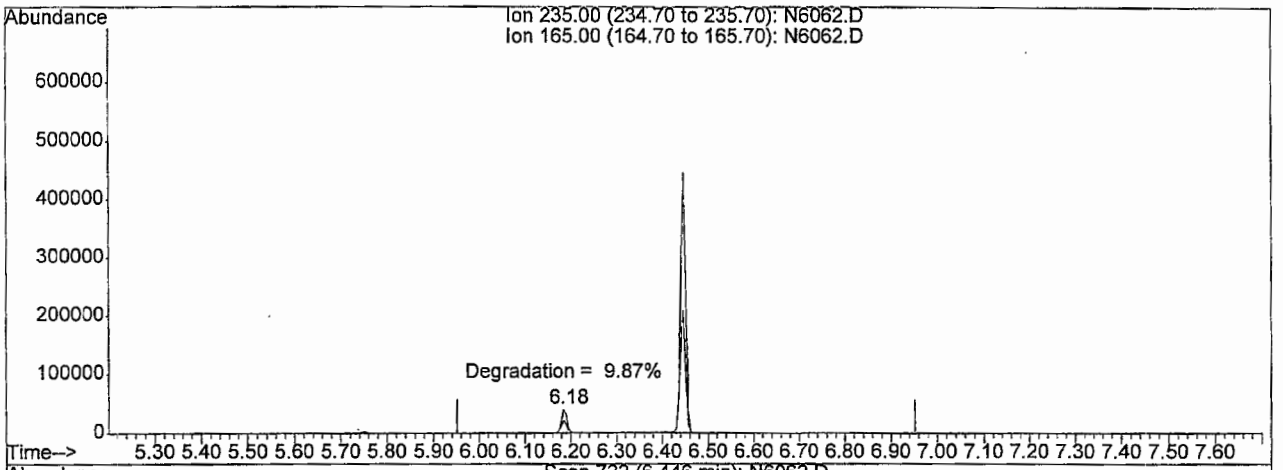
N6062.D DFTPP.M Fri Jul 01 11:57:34 2005

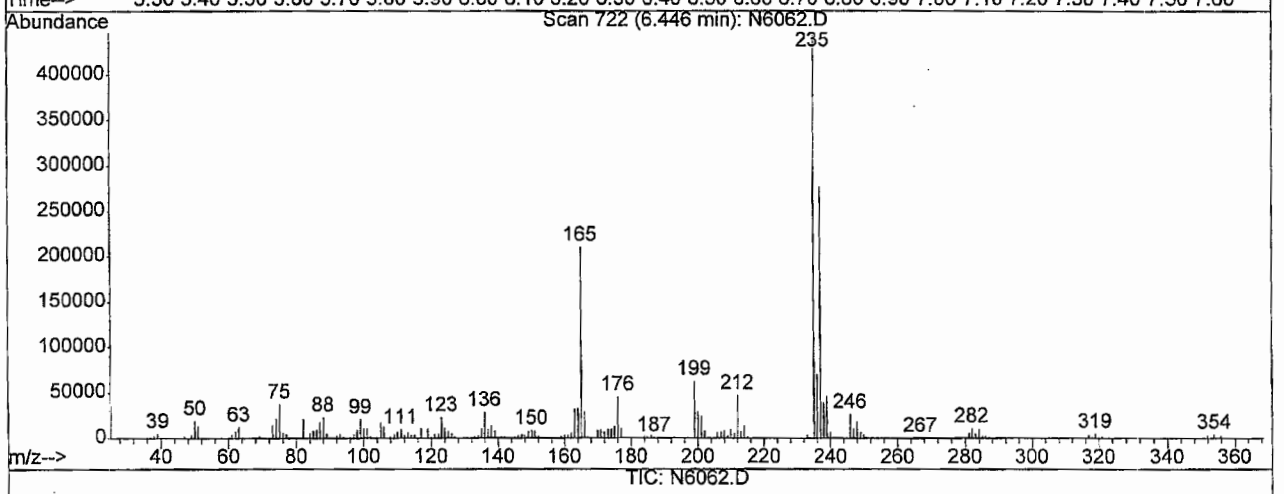
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6062.D
Acq On : 1 Jul 2005 11:09 am
Sample : 50 ppm dftpp+PCP+DDT+benzidine
Misc : ST050321-3
MS Integration Params: rteint.p
Quant Time: Jul 1 11:57 2005

Vial: 1
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP
Last Update : Thu Jun 30 11:07:51 2005
Response via : Single Level Calibration





(4) DDT

6.45min 29.9250

response 353175

Ion	Exp%	Act%
235.00	100	100
165.00	0.00	48.74#
0.00	0.00	0.00
0.00	0.00	0.00

JK 7-30

N6062.D DFTPP.M Fri Jul 01 11:57:42 2005

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On : 1 Jul 2005 11:25 am
Sample : CCVSVSTD060
Misc : ST050629-3
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:59 2005

Vial: 2
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.27	152	435154	40.00	ng/uL	0.00
23) Naphthalene-d8	7.51	136	1520747	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.08	164	800739	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.36	188	1185516	40.00	ng/uL	0.00
79) Chrysene-d12	12.76	240	1244261	40.00	ng/uL	0.00
90) Perylene-d12	14.25	264	701088	40.00	ng/uL	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.74	112	808811	58.54	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 78.05%			
5) 2-Chlorophenol-d4	6.04	132	891067	55.62	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 74.16%			
7) Phenol-d5	5.87	99	841842	56.00	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 74.67%			
14) 1,2-Dichlorobenzene-d4	6.43	152	635263	61.42	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 122.84%#			
24) Nitrobenzene-d5	6.84	82	864313	62.11	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 124.22%#			
45) 2-Fluorobiphenyl	8.46	172	1875158	62.75	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 125.50%#			
67) 2,4,6-Tribromophenol	9.76	330	173773	52.15	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 69.53%			
82) p-Terphenyl-d14	11.72	244	1893087	56.65	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 113.30%#			

Target Compounds						Qvalue
2) Pyridine	2.74	79	883912m	68.48	ng/uL	
3) n-Nitrosodimethylamine	2.67	74	426647m	68.24	ng/uL	
6) Aniline	5.93	93	1003380	59.46	ng/uL	100
8) Phenol	5.88	94	873243	62.32	ng/uL	99
9) Tetramethylurea	6.01	72	1186327	58.39	ng/uL	99
10) Bis(2-chloroethyl)ether	5.98	93	677896	61.03	ng/uL	98
11) 2-Chlorophenol	6.06	128	900131	60.48	ng/uL	100
12) 1,3-Dichlorobenzene	6.21	146	966528	60.95	ng/uL	100
13) 1,4-Dichlorobenzene	6.29	146	1026225	60.74	ng/ul	99
15) 1,2-Dichlorobenzene	6.45	146	972360	61.09	ng/uL	99
16) Benzyl Alcohol	6.41	108	529263	61.82	ng/uL	100
17) Bis(2-chloroisopropyl)ethe	6.53	45	603858	60.66	ng/uL	100
18) 2-Methylphenol	6.51	107	660858	60.24	ng/uL	99
19) n-Nitroso-di-n-propylamine	6.67	70	589975	64.34	ng/uL	100
20) 3+4-Methylphenol	6.66	108	970812	62.77	ng/uL	97
21) N-Methylaniline	6.67	106	1420625	60.20	ng/uL	98

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On : 1 Jul 2005 11:25 am
Sample : CCVSVSTD060
Misc : ST050629-3
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:59 2005

Vial: 2
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22)	Hexachloroethane	6.78	117	357735	60.01 ng/uL	99
25)	N,N-Dimethylaniline	6.84	120	1464684	61.79 ng/uL	99
26)	Nitrobenzene	6.85	77	1111815	61.48 ng/uL	99
27)	Isophorone	7.07	82	1248957	58.94 ng/uL	99
28)	N-Ethylaniline	7.09	106	1588263	59.31 ng/uL	100
29)	2-Nitrophenol	7.15	139	461940	64.91 ng/uL	99
30)	2,4-Dimethylphenol	7.17	107	829505	62.20 ng/uL	98
31)	Bis(2-chloroethoxy)methane	7.25	93	789012	59.63 ng/uL	99
32)	2,4-Dichlorophenol	7.38	162	690512	61.68 ng/uL	99
33)	Benzoic acid	7.30	105	207288	45.22 ng/uL	96
34)	1,2,4-Trichlorobenzene	7.45	180	753496	60.68 ng/uL	100
35)	Naphthalene	7.54	128	2473557	60.47 ng/uL	99
36)	4-Chloroaniline	7.57	127	985842	61.20 ng/uL	100
37)	Hexachlorobutadiene	7.62	225	431122	60.73 ng/uL	98
38)	4-Chloro-3-methylphenol	7.98	107	636326	61.38 ng/uL	99
39)	2-Methylnaphthalene	8.15	142	1568575	58.45 ng/uL	99
41)	1-Methylnaphthalene	8.24	142	1565906	60.64 ng/uL	99
42)	Hexachlorocyclopentadiene	8.28	237	215236	55.11 ng/uL	100
43)	2,4,6-Trichlorophenol	8.39	196	393297	57.97 ng/uL	98
44)	2,4,5-Trichlorophenol	8.43	196	463128	60.37 ng/uL	99
46)	2-Chloronaphthalene	8.59	162	1488278	61.55 ng/uL	99
47)	2-Nitroaniline	8.67	65	318995	61.33 ng/uL	99
48)	1,4-Dinitrobenzene	8.79	168	229794	60.97 ng/uL	99
49)	Dimethylphthalate	8.80	163	1508320	59.47 ng/uL	100
50)	1,3-Dinitrobenzene	8.85	168	244378	59.86 ng/uL	99
51)	2,6-Dinitrotoluene	8.87	165	359002	60.51 ng/uL	99
52)	1,2-Dinitrobenzene	8.93	168	156711	58.71 ng/uL	98
53)	Acenaphthylene	8.96	152	2288436	61.03 ng/uL	99
54)	3-Nitroaniline	9.03	138	345593	58.47 ng/uL	99
55)	Acenaphthene	9.11	154	1504553	61.42 ng/uL	98
56)	2,4-Dinitrophenol	9.11	184	152442	55.52 ng/uL	71
57)	4-Nitrophenol	9.14	109	157406	57.78 ng/uL	95
58)	Dibenzofuran	9.25	168	1917246	60.38 ng/uL	98
59)	2,4-Dinitrotoluene	9.22	165	436485	60.31 ng/uL	100
60)	2,3,5,6-Tetrachlorophenol	9.31	232	264767	53.65 ng/uL	98
61)	2,3,4,6-Tetrachlorophenol	9.35	232	325822	55.27 ng/uL	96
62)	Diethylphthalate	9.39	149	1503452	60.55 ng/uL	100
63)	Fluorene	9.55	166	1553429	58.69 ng/uL	100
64)	4-Chlorophenyl phenyl ethe	9.52	204	714563	59.74 ng/uL	98
65)	4-Nitroaniline	9.56	138	396100	63.02 ng/uL	98
66)	Azobenzene	9.66	77	1191981	57.86 ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On : 1 Jul 2005 11:25 am
Sample : CCVSVSTD060
Misc : ST050629-3
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:59 2005

Vial: 2
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.57	198	239818	59.93	ng/uL	98
70)	n-Nitrosodiphenylamine	9.62	169	1278572	59.55	ng/uL	99
71)	4-Bromophenyl phenyl ether	9.94	248	423236	60.60	ng/uL	98
72)	Hexachlorobenzene	10.02	284	460942	60.34	ng/uL	98
73)	Pentachlorophenol	10.18	266	142775m	54.66	ng/uL	
74)	Phenanthrene	10.38	178	2145748	62.64	ng/uL	100
75)	Anthracene	10.43	178	2181192	61.86	ng/uL	100
76)	Carbazole	10.55	167	1896799	60.19	ng/uL	99
77)	Di-n-butylphthalate	10.77	149	2503898	61.22	ng/uL	99
78)	Fluoranthene	11.43	202	2248652	60.22	ng/uL	99
80)	Benzidine	11.51	184	1153747	59.97	ng/uL	100
81)	Pyrene	11.64	202	2339776	54.94	ng/uL	99
83)	Butylbenzylphthalate	12.13	149	1175456	57.23	ng/uL	99
84)	Bis(2-ethylhexyl) adipate	12.14	129	1064740	58.89	ng/uL	100
85)	Benzo[a]anthracene	12.74	228	2315986	59.31	ng/uL	100
86)	3,3'-Dichlorobenzidine	12.68	252	795538	65.46	ng/uL	100
87)	Chrysene	12.78	228	2178987	61.30	ng/uL	100
88)	Bis(2-ethylhexyl)phthalate	12.62	149	1487117	59.80	ng/uL	100
89)	Di-n-octylphthalate	13.23	149	2276683	62.22	ng/uL	99
91)	Benzo[b]fluoranthene	13.81	252	1864937	60.75	ng/uL	98
92)	Benzo[k]fluoranthene	13.84	252	1859786m	61.13	ng/uL	
93)	Benzo[a]pyrene	14.19	252	1539464	60.36	ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.71	276	1405847	75.37	ng/uL	100
95)	Dibenzo[a,h]anthracene	15.71	278	1231493	77.24	ng/uL	99
96)	Benzo[g,h,i]perylene	16.16	276	931452	72.15	ng/uL	100

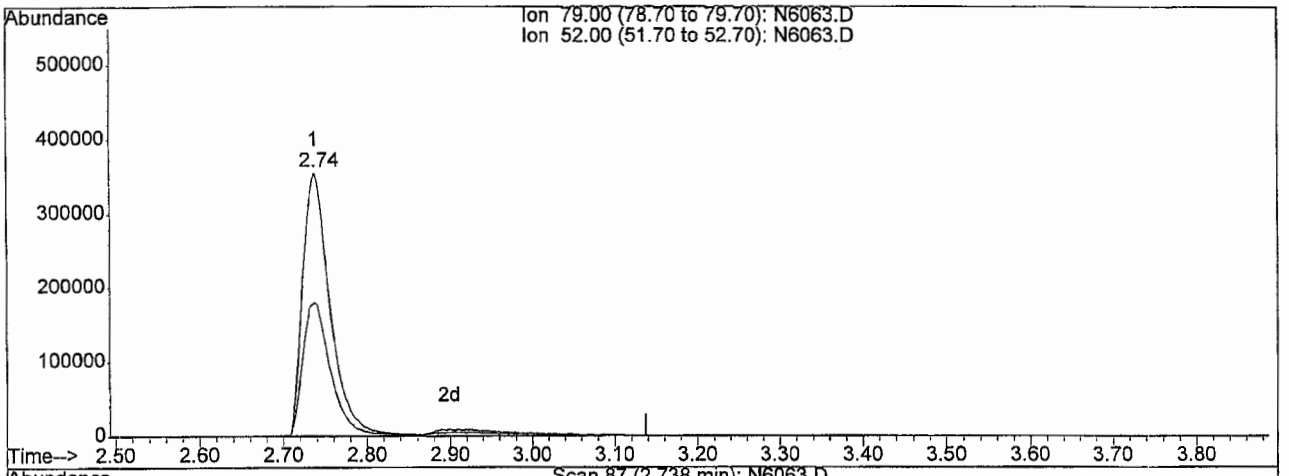
(#) = qualifier out of range (m) = manual integration

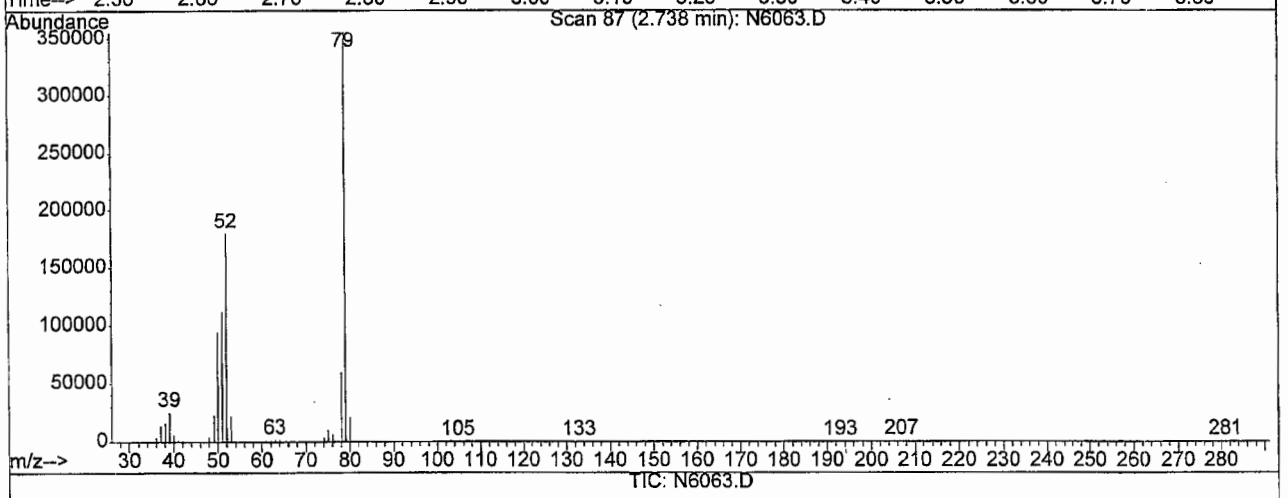
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On : 1 Jul 2005 11:25 am
Sample : CCVSVSTD060
Misc : ST050629-3
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:56 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.74min 62.33ng/uL

response 804593

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	51.25
0.00	0.00	0.00
0.00	0.00	0.00

Before

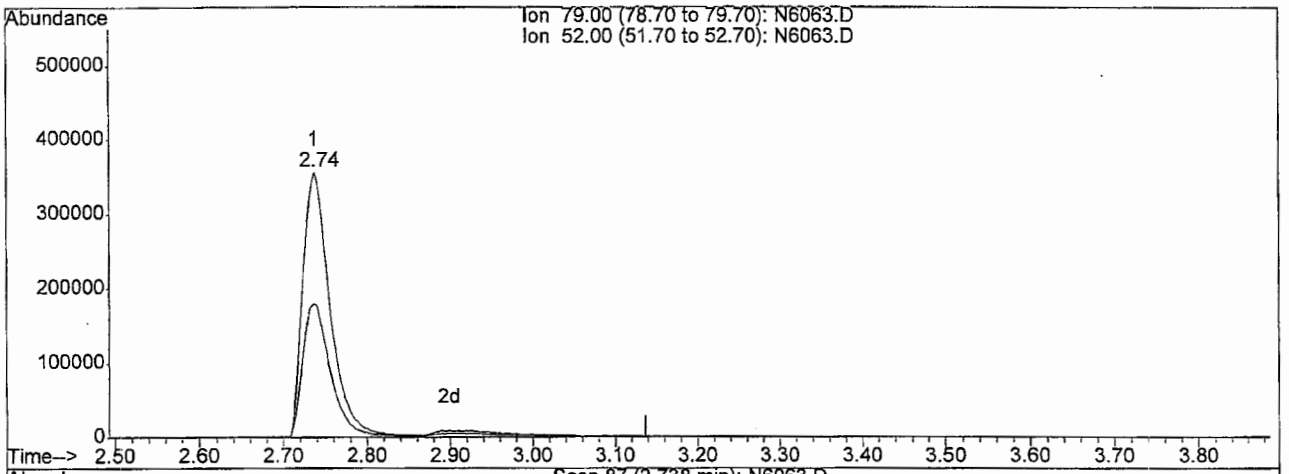
N6063.D 061705S1.M Fri Jul 01 11:58:13 2005

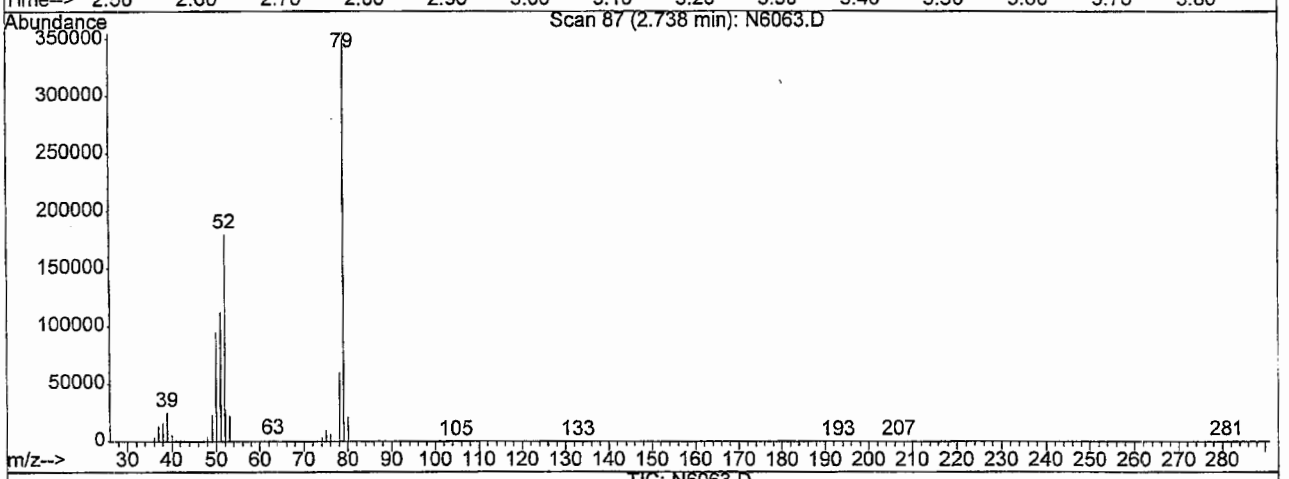
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On : 1 Jul 2005 11:25 am
Sample : CCVSVSTD060
Misc : ST050629-3
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:58 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





TIC: N6063.D

(2) Pyridine (T)

2.74min 68.48ng/uL m

response 883912

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	46.65
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JC *date* 7-3-05

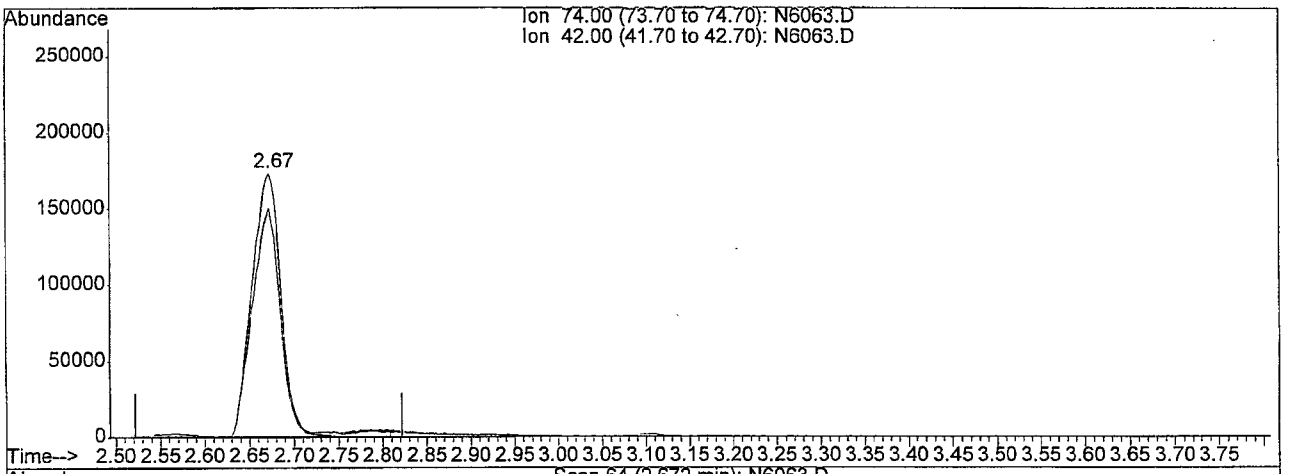
N6063.D 061705S1.M Fri Jul 01 11:58:16 2005

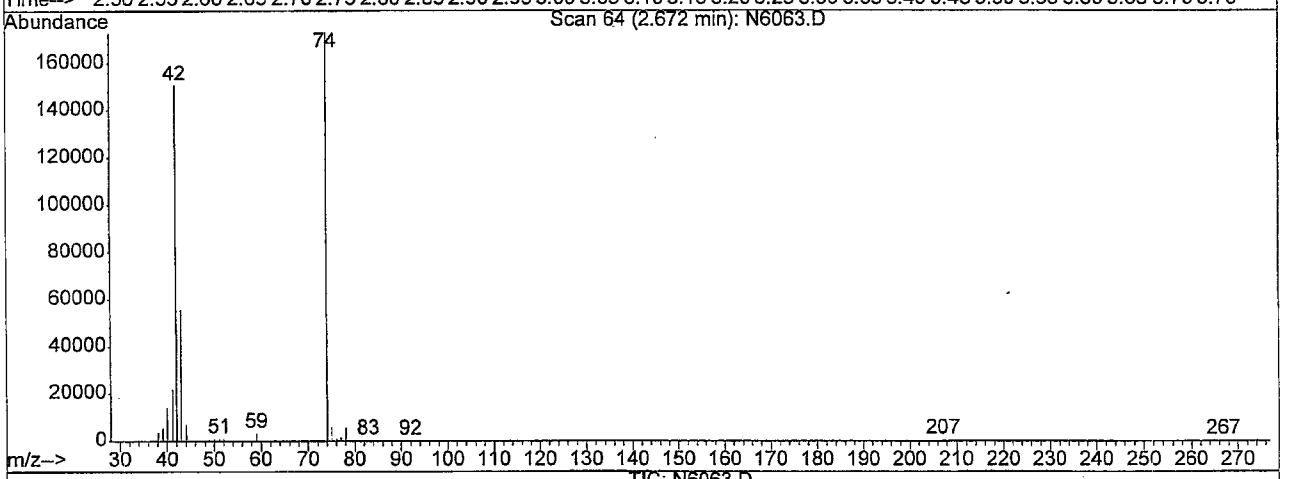
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On : 1 Jul 2005 11:25 am
Sample : CCVSVSTD060
Misc : ST050629-3
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:58 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





TIC: N6063.D

(3) n-Nitrosodimethylamine (T)

2.67min 64.49ng/uL

response 403217

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	82.09
0.00	0.00	0.00
0.00	0.00	0.00

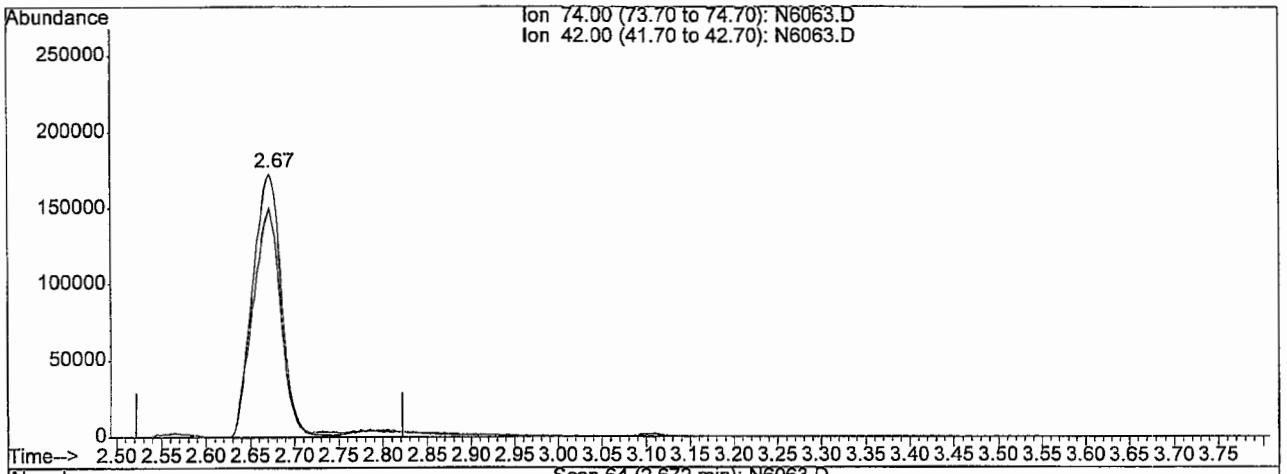
Before

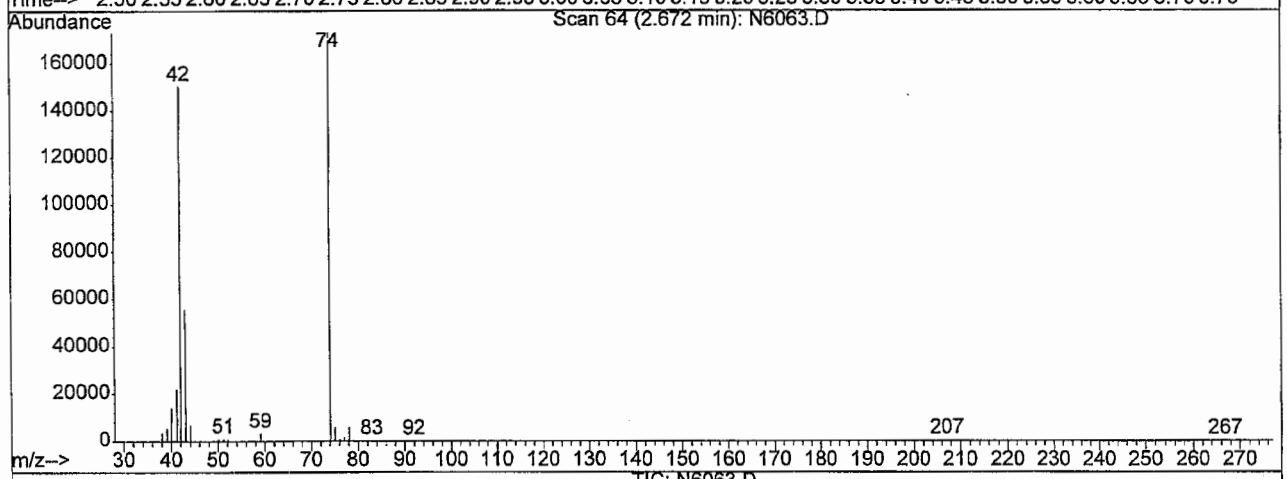
N6063.D 061705S1.M Fri Jul 01 11:58:19 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6063.D Vial: 2
Acq On : 1 Jul 2005 11:25 am Operator: JOE K SOP
Sample : CCVSVSTD060 Inst : GC/MS Ins
Misc : ST050629-3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:58 2005 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





(3) n-Nitrosodimethylamine (T)

2.67min 68.24ng/uL m

response 426647

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	77.58
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-3-05

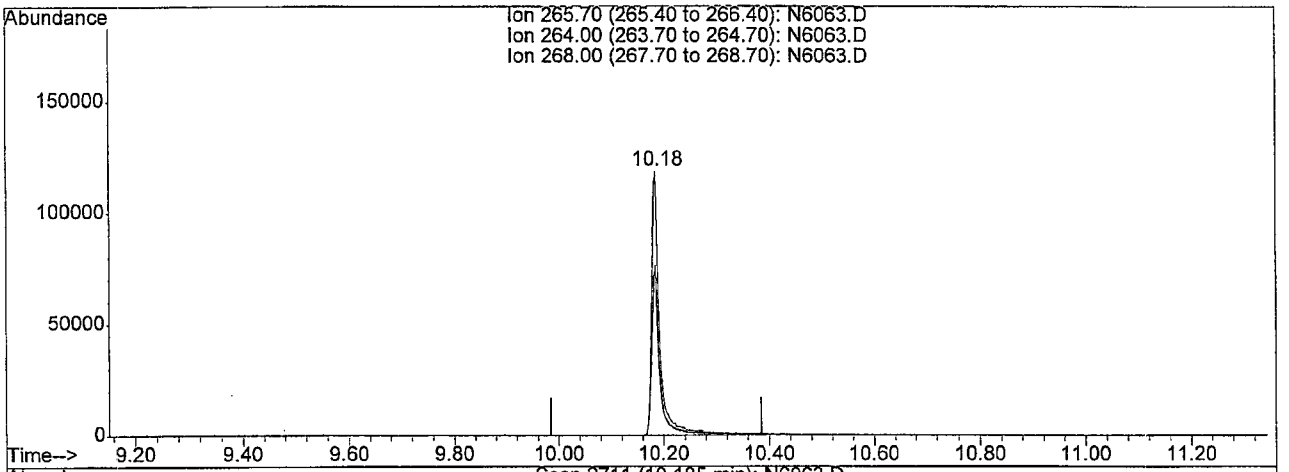
N6063.D 061705S1.M Fri Jul 01 11:58:27 2005

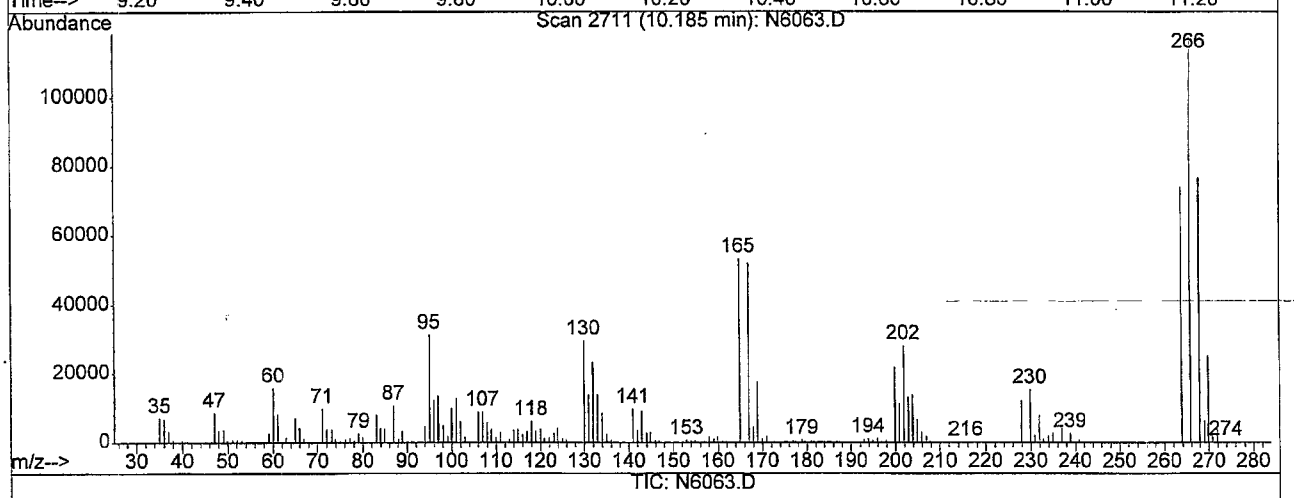
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On : 1 Jul 2005 11:25 am
Sample : CCVSVSTD060
Misc : ST050629-3
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:58 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.18min 50.99ng/uL

response 130376

Ion	Exp%	Act%
265.70	100	100
264.00	59.90	61.61
268.00	60.50	63.70
0.00	0.00	0.00

BeFore

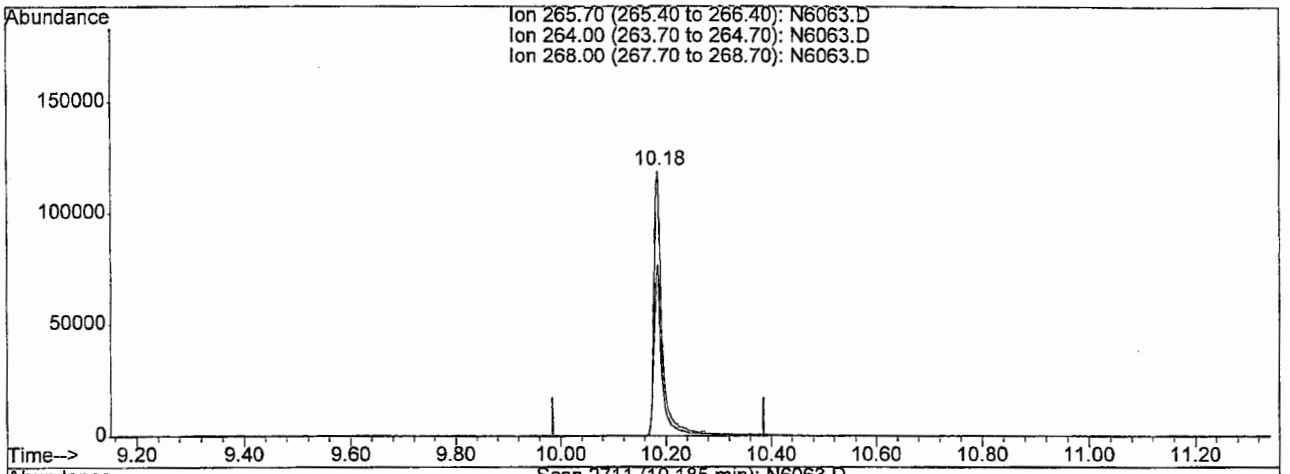
N6063.D 061705S1.M Fri Jul 01 11:59:16 2005

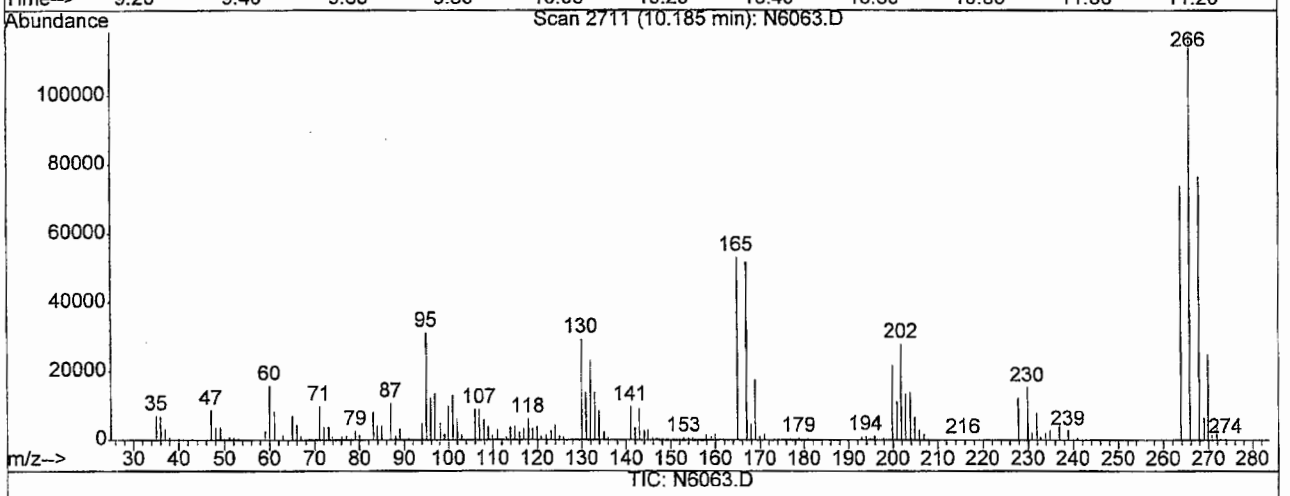
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On : 1 Jul 2005 11:25 am
Sample : CCVSVSTD060
Misc : ST050629-3
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:59 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.18min 54.66ng/uL m

response 142775

Ion	Exp%	Act%
265.70	100	100
264.00	59.90	56.26
268.00	60.50	58.17
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JC *date* 7-3-05

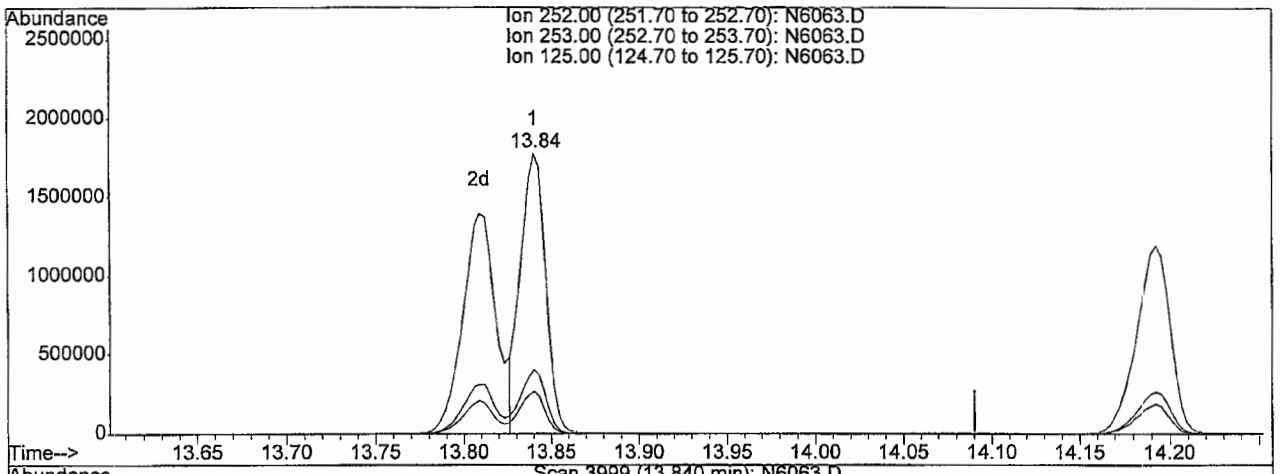
N6063.D 061705S1.M Fri Jul 01 11:59:21 2005

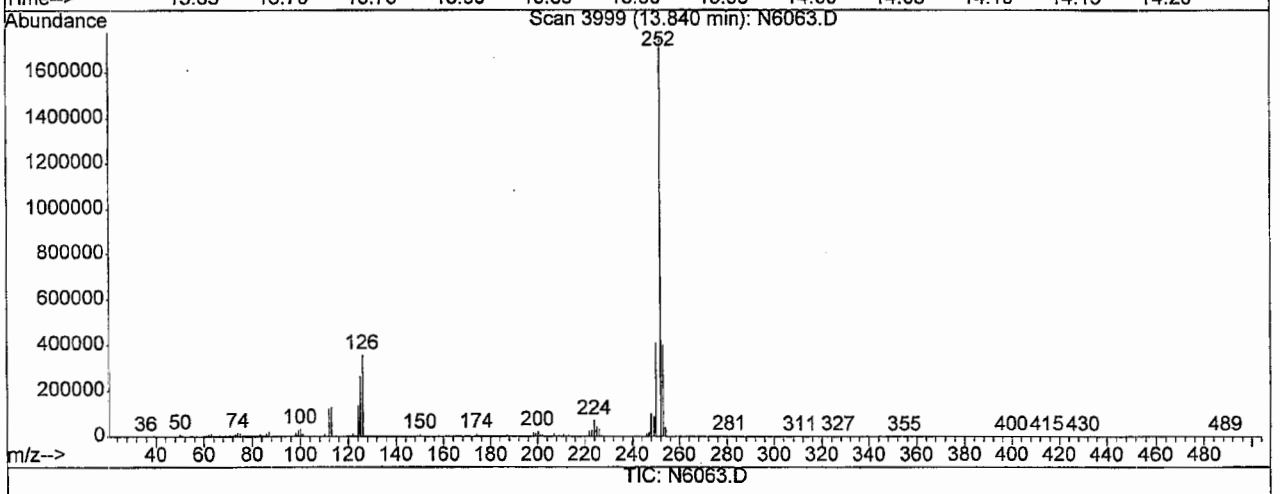
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On : 1 Jul 2005 11:25 am
Sample : CCVSVSTD060
Misc : ST050629-3
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:59 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





(92) Benzo[k]fluoranthene (T)

13.84min 58.66ng/uL

response 1784757

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	23.16
125.00	14.30	14.98
0.00	0.00	0.00

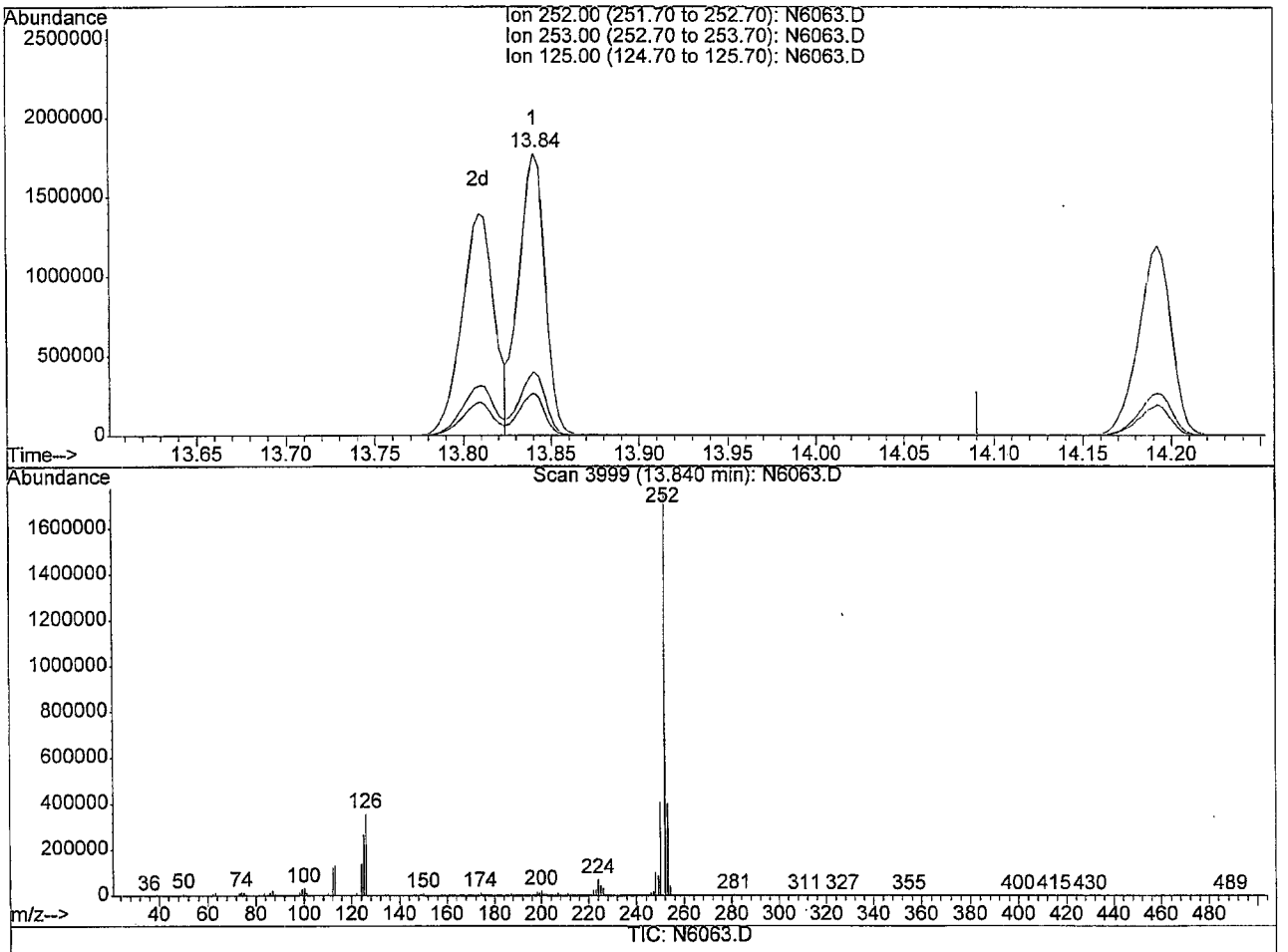
N6063.D 061705S1.M Fri Jul 01 11:59:36 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On : 1 Jul 2005 11:25 am
Sample : CCVSVSTD060
Misc : ST050629-3
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:59 2005

Vial: 2
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration



(92) Benzo[k]fluoranthene (T)

13.84min 61.13ng/uL m

response 1859786

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.22
125.00	14.30	14.38
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-3-05

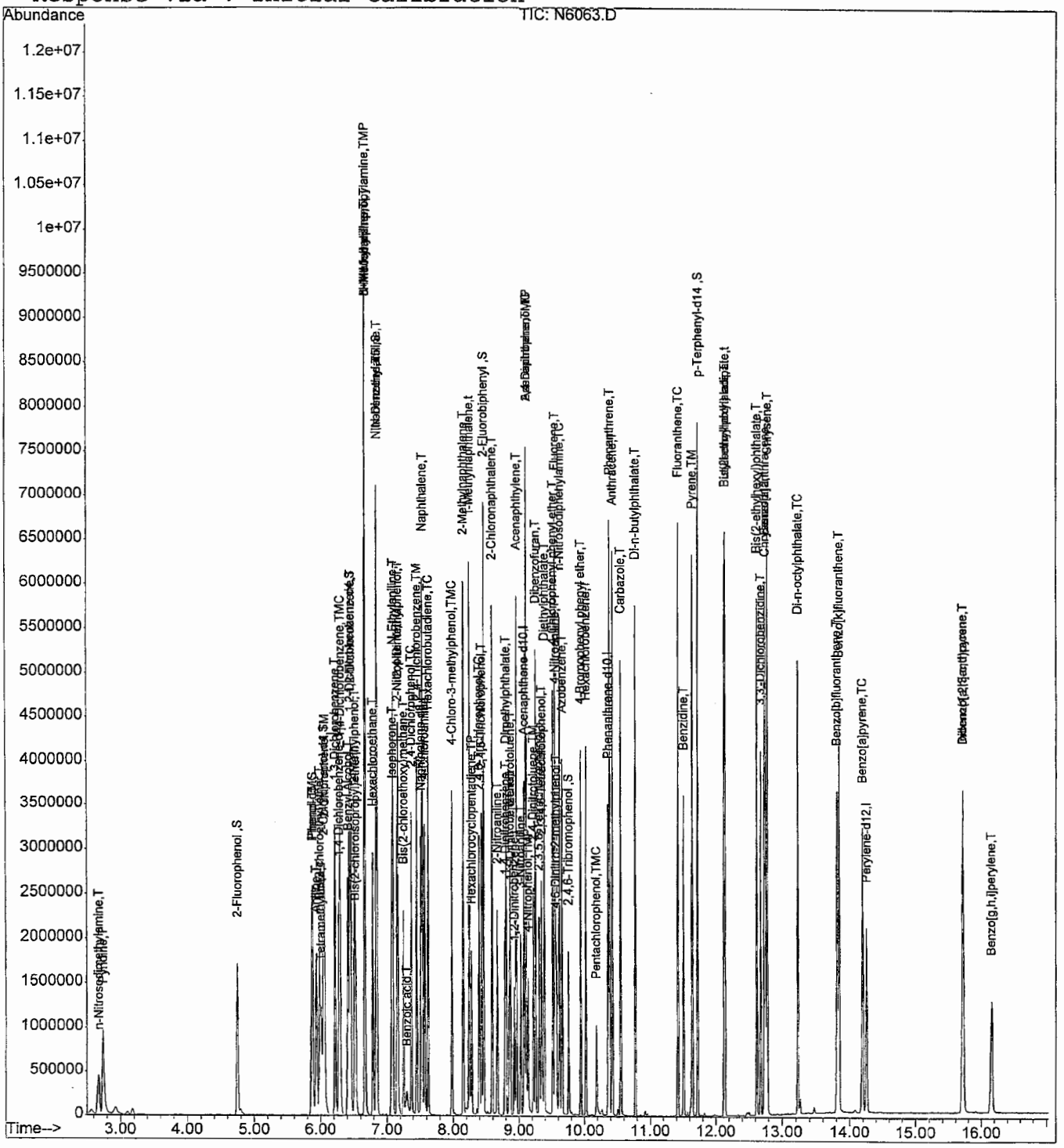
N6063.D 061705S1.M Fri Jul 01 11:59:40 2005

Quantitation Report

Data File : D:\HPCHEM\1\DATA\070105\N6063.D
Acq On : 1 Jul 2005 11:25 am
Sample : CCVSVSTD060
Misc : ST050629-3
MS Integration Params: RTEINT.P
Quant Time: Jul 1 11:59 2005

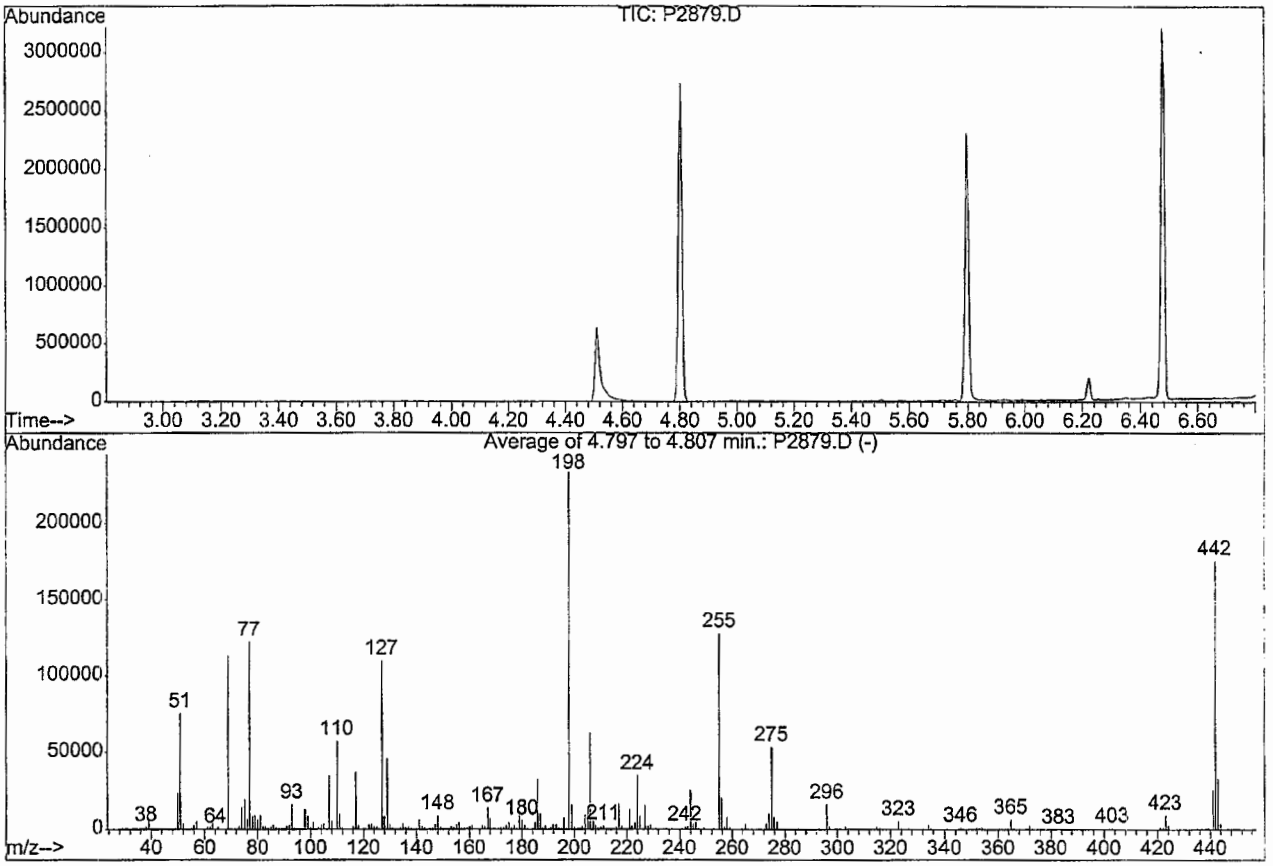
Vial: 2
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration



DFTPP

Data File : C:\HPCHEM\1\DATA\071205\P2879.D Vial: 1
Acq On : 12 Jul 2005 9:14 am Operator: JK SOP50
Sample : 50ppm dftpp + pcp + benzidine + ddt Inst : HPSV-2
Misc : ST050321-3 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\DFTPP10.M (RTE Integrator)
Title : DFTPP



AutoFind: Scans 507, 508, 509; Background Corrected with Scan 501

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.3	75499	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	48.5	113296	PASS
70	69	0.00	2	0.8	896	PASS
127	198	40	60	47.2	110197	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	233621	PASS
199	198	5	9	6.9	16066	PASS
275	198	10	30	23.0	53704	PASS
365	198	1	100	2.8	6431	PASS
441	443	0.01	100	77.8	25596	PASS
442	198	40	100	75.3	175851	PASS
443	442	17	23	18.7	32896	PASS

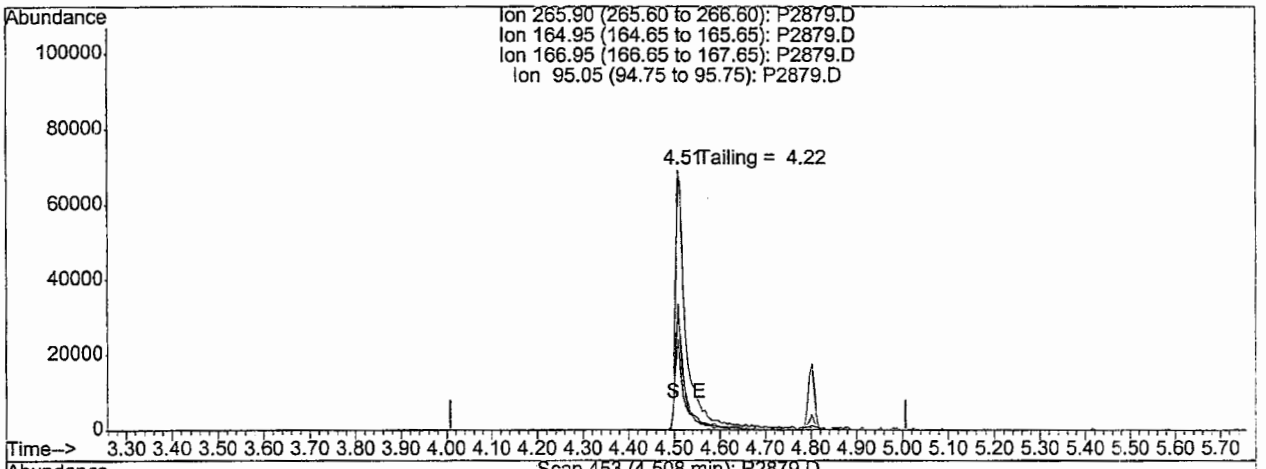
P2879.D DFTPP10.M Tue Jul 12 09:25:42 2005

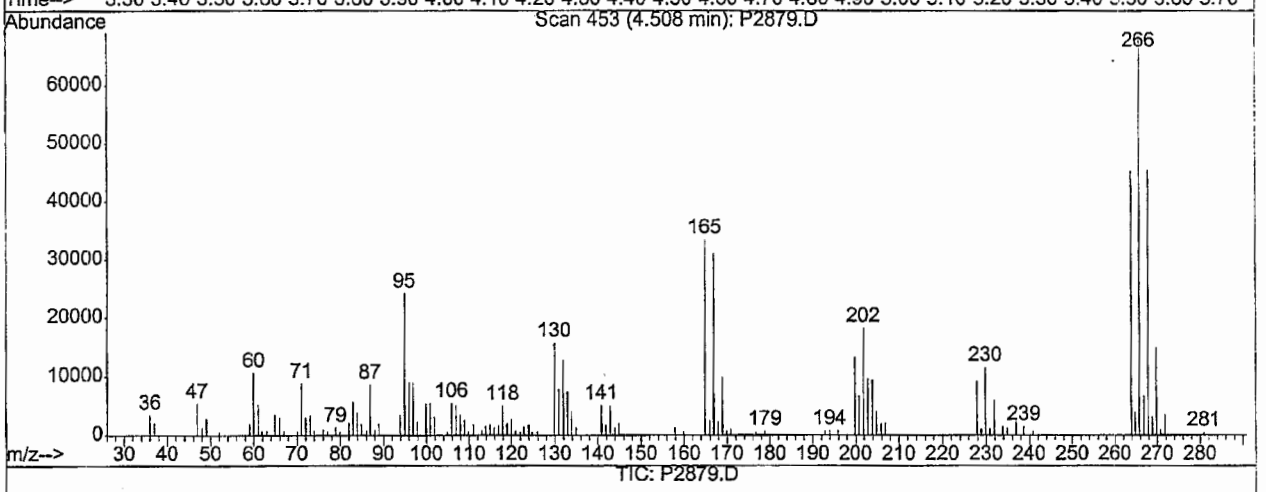
JK 16 7-12-05

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2879.D Vial: 1
Acq On : 12 Jul 2005 9:14 am Operator: JK SOP50
Sample : 50ppm dftpp + pcp + benzidine + ddt Inst : HPSV-2
Misc : ST050321-3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:25 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP10.M (RTE Integrator)
Title : DFTPP
Last Update : Tue Jul 12 09:21:57 2005
Response via : Multiple Level Calibration





(1) Pentachlorophenol

4.51min 70.26

response 111922

Ion	Exp%	Act%
265.90	100	100
164.95	41.60	42.15
166.95	40.00	39.67
95.05	20.20	28.71#

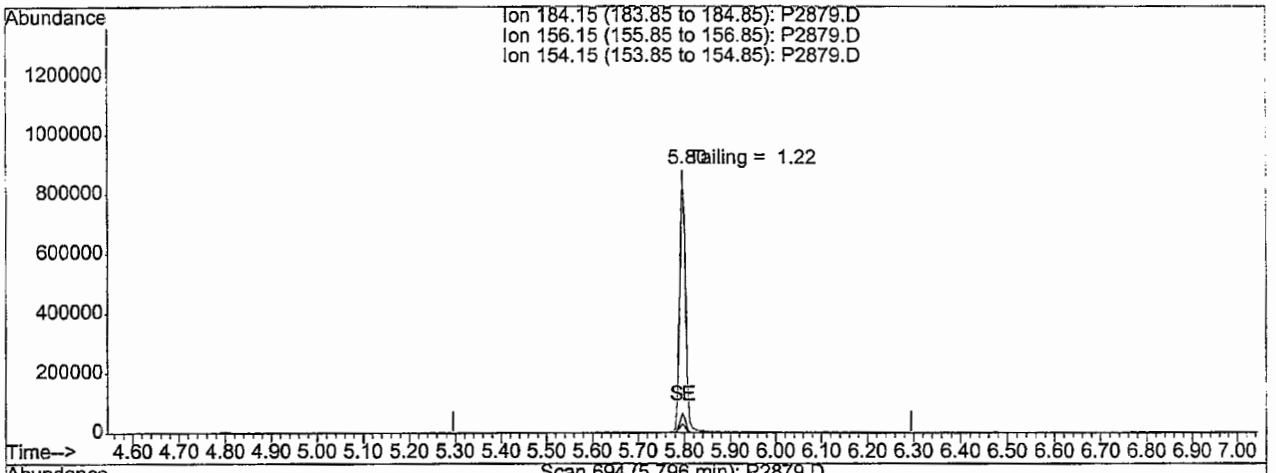
JK 7-12-05

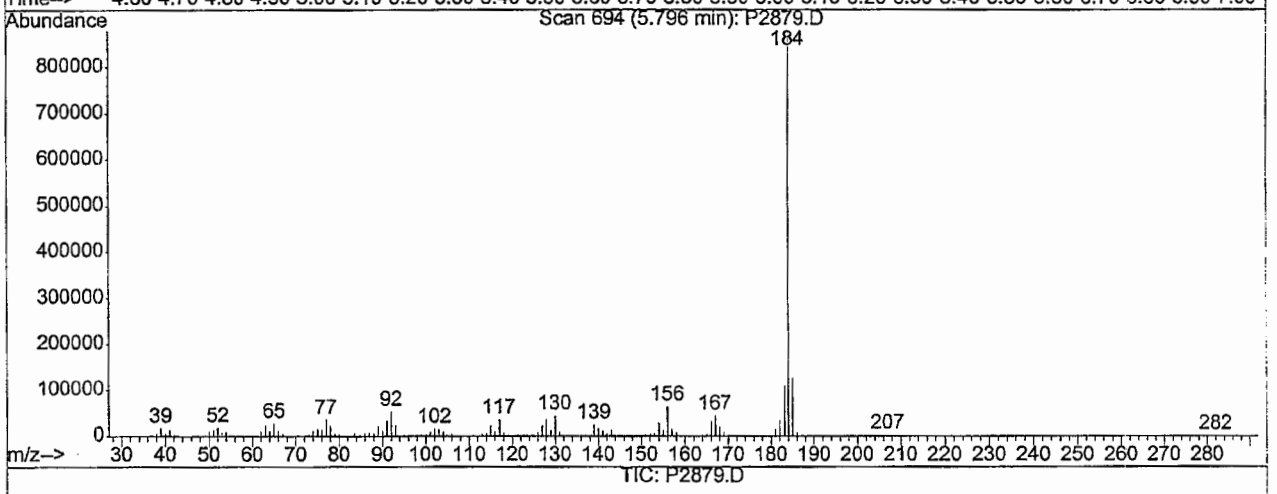
P2879.D DFTPP10.M Tue Jul 12 09:25:58 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2879.D Vial: 1
Acq On : 12 Jul 2005 9:14 am Operator: JK SOP50
Sample : 50ppm dftpp + pcp + benzidine + ddt Inst : HPSV-2
Misc : ST050321-3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:25 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP10.M (RTE Integrator)
Title : DFTPP
Last Update : Tue Jul 12 09:21:57 2005
Response via : Multiple Level Calibration





(3) Benzidine

5.80min 79.50

response 798190

Ion	Exp%	Act%
184.15	100	100
156.15	6.10	7.13
154.15	2.50	3.19#
0.00	0.00	0.00

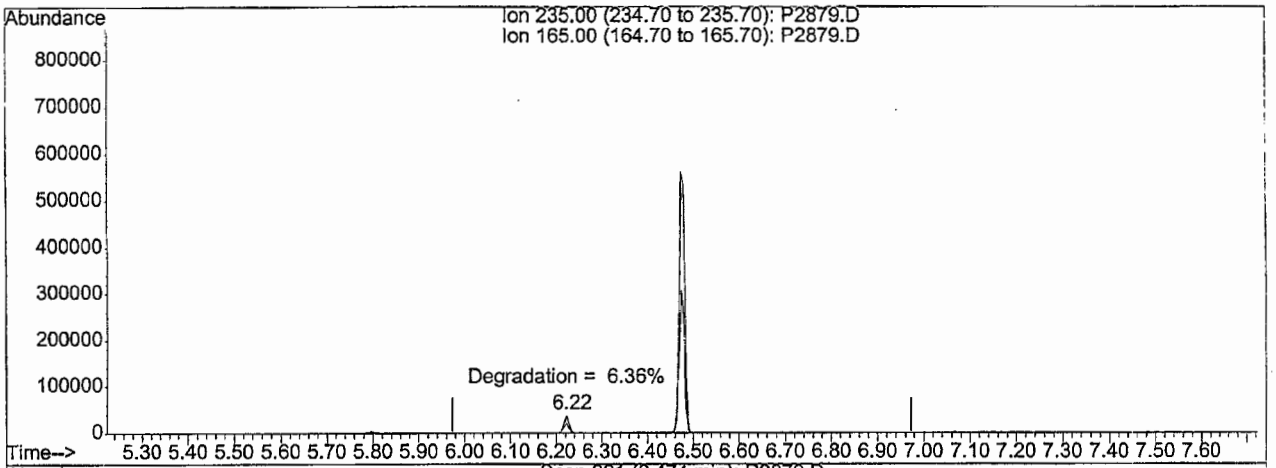
JK 7-12-05

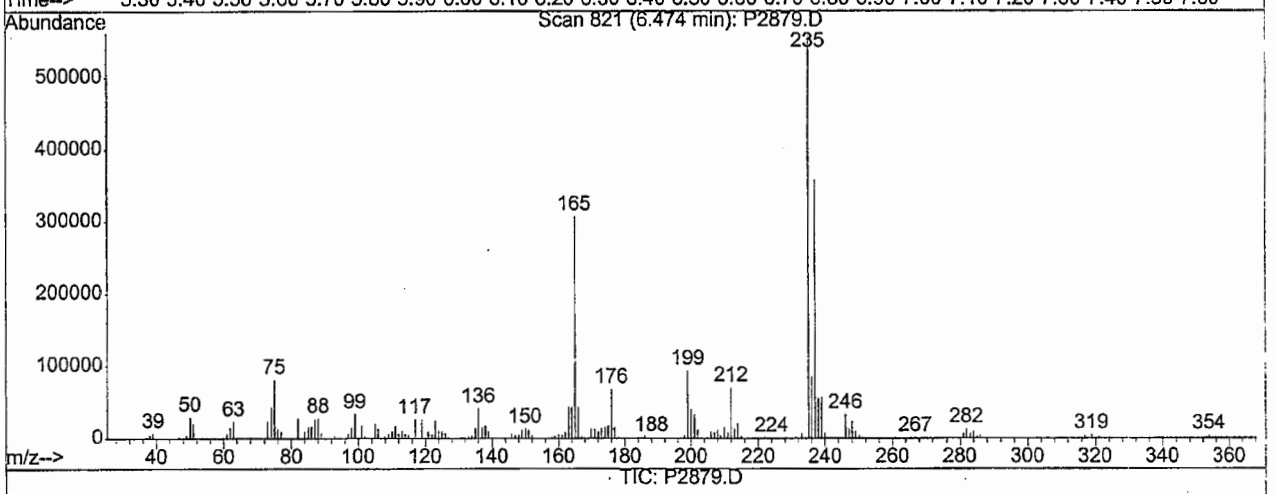
P2879.D DFTPP10.M Tue Jul 12 09:26:06 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2879.D Vial: 1
Acq On : 12 Jul 2005 9:14 am Operator: JK SOP50
Sample : 50ppm dftpp + pcp + benzidine + ddt Inst : HPSV-2
Misc : ST050321-3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 9:25 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP10.M (RTE Integrator)
Title : DFTPP
Last Update : Tue Jul 12 09:21:57 2005
Response via : Multiple Level Calibration





(4) DDT

6.47min 123.1350

response 488339

Ion	Exp%	Act%
235.00	100	100
165.00	49.60	51.53
0.00	0.00	0.00
0.00	0.00	0.00

JK 7-12-05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2880.D Vial: 2
Acq On : 12 Jul 2005 9:29 am Operator: JK SOP506 Rev
Sample : ICALSVSTD060 Inst : HPSV-2
Misc : ST050712-1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:13 2005 Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:12:09 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.15	152	197778	40.00	ng/uL	0.00
24) Naphthalene-d8	7.41	136	641272	40.00	ng/uL	0.00
41) Acenaphthene-d10	8.98	164	361042	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.26	188	674401	40.00	ng/uL	0.00
79) Chrysene-d12	12.53	240	708408	40.00	ng/uL	0.00
90) Perylene-d12	14.00	264	505708	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.68	112	344984	60.00	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 80.00%			
5) 2-Chlorophenol-d4	5.93	132	344757	60.00	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 80.00%			
7) Phenol-d5	5.75	99	372802	60.00	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 80.00%			
14) 1,2-Dichlorobenzene-d4	6.31	152	253656	60.00	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 120.00%#			
25) Nitrobenzene-d5	6.72	82	455477	60.00	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 120.00%#			
45) 2-Fluorobiphenyl	8.36	172	802766	60.00	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 120.00%#			
67) 2,4,6-Tribromophenol	9.66	330	99882	60.00	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 80.00%			
82) p-Terphenyl-d14	11.58	244	922605	60.00	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 120.00%#			

Target Compounds						Qvalue
2) Pyridine	2.99	79	395509m	63.89	ng/uL	
3) n-Nitrosodimethylamine	2.93	74	224702	60.00	ng/uL	100
6) Aniline	5.81	93	431603	60.00	ng/uL	100
8) Phenol	5.77	94	429021	60.00	ng/uL	100
9) Tetramethylurea	5.88	72	621465	60.00	ng/uL	100
10) Bis(2-chloroethyl)ether	5.86	93	322899	60.00	ng/uL	100
11) 2-Chlorophenol	5.94	128	368785	60.00	ng/uL	100
12) 1,3-Dichlorobenzene	6.09	146	439985	60.00	ng/uL	100
13) 1,4-Dichlorobenzene	6.17	146	449326	60.00	ng/ul	100
15) 1,2-Dichlorobenzene	6.33	146	419529	60.00	ng/uL	100
16) Benzyl Alcohol	6.29	108	231968	60.00	ng/uL	100
17) Bis(2-chloroisopropyl)ethe	6.40	45	208646	60.00	ng/uL	100
18) 2-Methylphenol	6.40	107	289563	60.00	ng/uL	100
19) n-Nitroso-di-n-propylamine	6.55	70	324243	60.00	ng/uL	100
20) 3+4-Methylphenol	6.55	108	432294	60.00	ng/uL	100
21) N-Methylaniline	6.55	106	575456	60.00	ng/uL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2880.D
Acq On : 12 Jul 2005 9:29 am
Sample : ICALSVSTD060
Misc : ST050712-
MS Integration Params: rteint.p
Quant Time: Jul 12 10:13 2005

Vial: 2
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:12:09 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.67	117	179796	60.00 ng/uL	100
23) N,N-Dimethylaniline	6.72	120	581333	60.00 ng/uL	100
26) Nitrobenzene	6.74	77	641574	60.00 ng/uL	100
27) Isophorone	6.96	82	671754	60.00 ng/uL	100
28) N-Ethylaniline	6.97	106	747255	60.00 ng/uL	100
29) 2-Nitrophenol	7.04	139	190946	60.00 ng/uL	100
30) 2,4-Dimethylphenol	7.06	107	399374	60.00 ng/uL	100
31) Bis(2-chloroethoxy)methane	7.14	93	380634	60.00 ng/uL	100
32) 2,4-Dichlorophenol	7.27	162	325462	60.00 ng/uL	100
33) Benzoic acid	7.19	105	107626	60.00 ng/uL	100
34) 1,2,4-Trichlorobenzene	7.34	180	396439	60.00 ng/uL	100
35) Naphthalene	7.43	128	1079380	60.00 ng/uL	100
36) 4-Chloroaniline	7.47	127	397520	60.00 ng/uL	100
37) Hexachlorobutadiene	7.51	225	263504	60.00 ng/uL	100
38) 4-Chloro-3-methylphenol	7.89	107	322908	60.00 ng/uL	100
39) 2-Methylnaphthalene	8.05	142	717296	60.00 ng/uL	100
40) 1-Methylnaphthalene	8.14	142	695403	60.00 ng/uL	100
42) Hexachlorocyclopentadiene	8.18	237	207174	60.00 ng/uL	100
43) 2,4,6-Trichlorophenol	8.29	196	237682	60.00 ng/uL	100
44) 2,4,5-Trichlorophenol	8.34	196	254541	60.00 ng/uL	100
46) 2-Chloronaphthalene	8.49	162	679086	60.00 ng/uL	100
47) 2-Nitroaniline	8.58	65	189000	60.00 ng/uL	100
48) 1,4-Dinitrobenzene	8.69	168	109936	60.00 ng/uL	100
49) Dimethylphthalate	8.70	163	691757	60.00 ng/uL	100
50) 1,3-Dinitrobenzene	8.76	168	117666	60.00 ng/uL	100
51) 2,6-Dinitrotoluene	8.77	165	174479	60.00 ng/uL	100
52) 1,2-Dinitrobenzene	8.84	168	75287	60.00 ng/uL	100
53) Acenaphthylene	8.86	152	1030946	60.00 ng/uL	100
54) 3-Nitroaniline	8.93	138	151886	60.00 ng/uL	100
55) Acenaphthene	9.01	154	680236	60.00 ng/uL	100
56) 2,4-Dinitrophenol	9.02	184	64250m	50.19 ng/uL	
57) 4-Nitrophenol	9.06	109	113343	60.00 ng/uL	100
58) Dibenzofuran	9.15	168	916777	60.00 ng/uL	100
59) 2,4-Dinitrotoluene	9.13	165	224779	60.00 ng/uL	100
60) 2,3,5,6-Tetrachlorophenol	9.22	232	171202	60.00 ng/uL	100
61) 2,3,4,6-Tetrachlorophenol	9.25	232	200522	60.00 ng/uL	100
62) Diethylphthalate	9.29	149	713803	60.00 ng/uL	100
63) Fluorene	9.45	166	739580	60.00 ng/uL	100
64) 4-Chlorophenyl phenyl ethe	9.42	204	383675	60.00 ng/uL	100
65) 4-Nitroaniline	9.47	138	165717	60.00 ng/uL	100
66) Azobenzene	9.56	77	705065	60.00 ng/uL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2880.D Vial: 2
Acq On : 12 Jul 2005 9:29 am Operator: JK SOP506 Rev
Sample : ICALSVSTD060 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:13 2005 Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:12:09 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

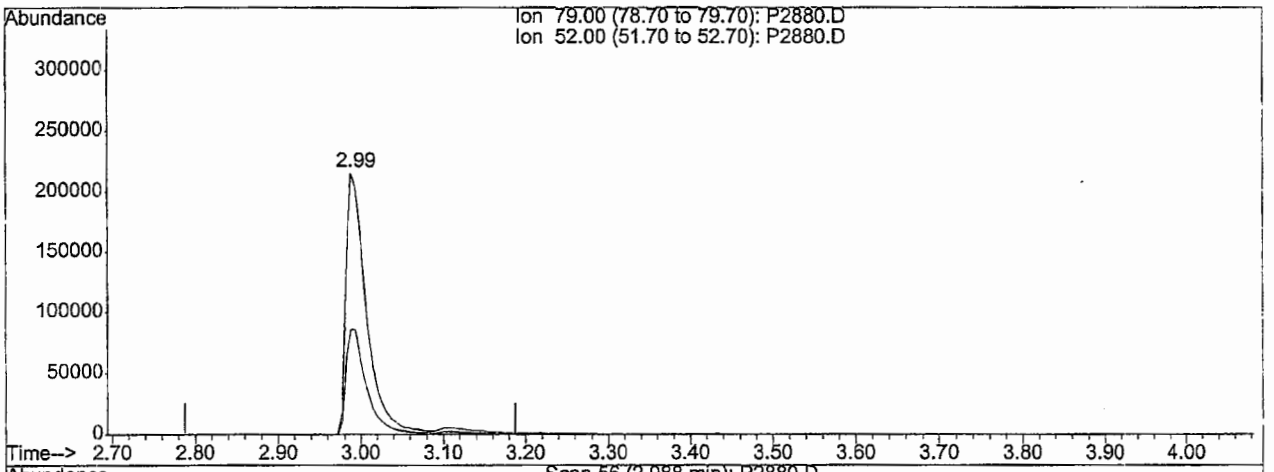
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69) 4,6-Dinitro-2-methylphenol	9.48	198	137865	60.00 ng/uL	100
70) n-Nitrosodiphenylamine	9.52	169	613748	60.00 ng/uL	100
71) 4-Bromophenyl phenyl ether	9.84	248	241363	60.00 ng/uL	100
72) Hexachlorobenzene	9.92	284	241743	60.00 ng/uL	100
73) Pentachlorophenol	10.09	266	97751	60.00 ng/uL	100
74) Phenanthrene	10.29	178	1134977	60.00 ng/uL	100
75) Anthracene	10.33	178	1140591	60.00 ng/uL	100
76) Carbazole	10.46	167	1001846	60.00 ng/uL	100
77) Di-n-butylphthalate	10.66	149	1289496	60.00 ng/uL	100
78) Fluoranthene	11.30	202	1314867	60.00 ng/uL	100
80) Benzidine	11.39	184	617768	60.00 ng/uL	100
81) Pyrene	11.51	202	1423876	60.00 ng/uL	100
83) Butylbenzylphthalate	11.95	149	602145	60.00 ng/uL	100
84) Bis(2-ethylhexyl) adipate	11.96	129	523409	60.00 ng/uL	100
85) Benzo[a]anthracene	12.52	228	1406595	60.00 ng/uL	100
86) 3,3'-Dichlorobenzidine	12.46	252	500040	60.00 ng/uL	100
87) Chrysene	12.56	228	1306468	60.00 ng/uL	100
88) Bis(2-ethylhexyl)phthalate	12.40	149	824188	60.00 ng/uL	100
89) Di-n-octylphthalate	12.96	149	1365888	60.00 ng/uL	100
91) Benzo[b]fluoranthene	13.55	252	1276460	60.00 ng/uL	100
92) Benzo[k]fluoranthene	13.58	252	1206486	60.00 ng/uL	100
93) Benzo[a]pyrene	13.94	252	1117669	60.00 ng/uL	100
94) Indeno(1,2,3-c,d)pyrene	15.47	276	754315	60.00 ng/uL	100
95) Dibenzo[a,h]anthracene	15.47	278	655343	60.00 ng/uL	100
96) Benzo[g,h,i]perylene	15.92	276	581148	60.00 ng/uL	100

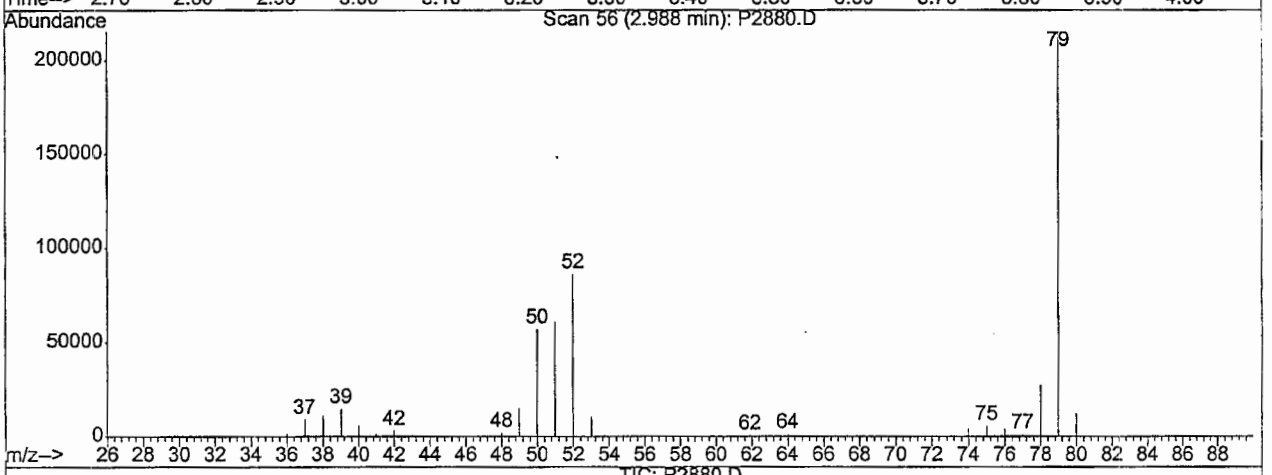
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2880.D Vial: 2
Acq On : 12 Jul 2005 9:29 am Operator: JK SOP50
Sample : ICALSVSTD060 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:06 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:05:26 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.99min 60.00ng/uL

response 371428

Ion	Exp%	Act%
79.00	100	100
52.00	40.50	40.49
0.00	0.00	0.00
0.00	0.00	0.00

Before

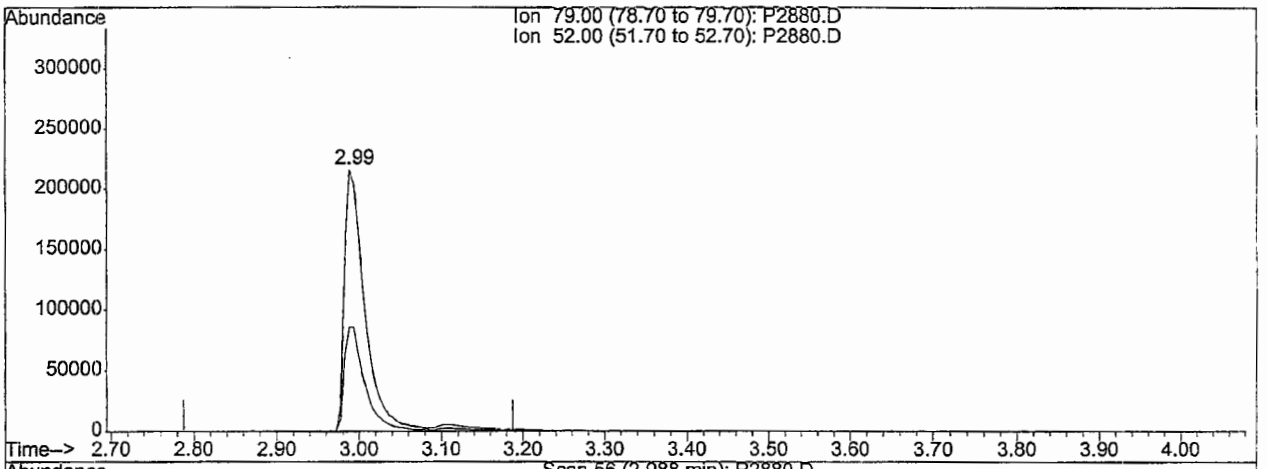
P2880.D 061705S2.M Tue Jul 12 10:08:57 2005

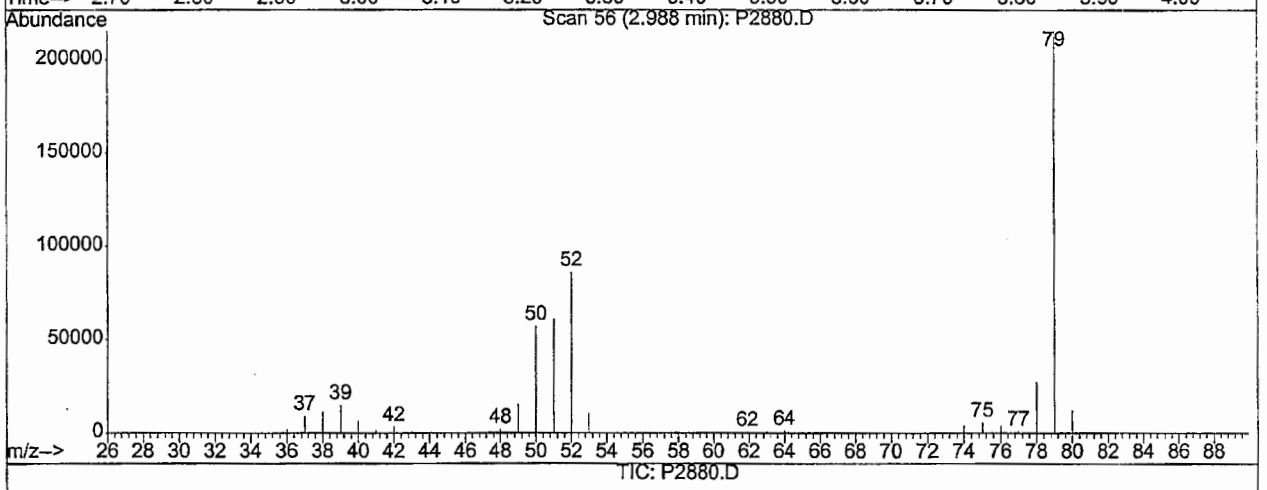
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2880.D
Acq On : 12 Jul 2005 9:29 am
Sample : ICALSVSTD060
Misc : ST050712-
MS Integration Params: rteint.p
Quant Time: Jul 12 10:12 2005

Vial: 2
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:12:09 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.99min 63.89ng/uL m

response 395509

Ion	Exp%	Act%
79.00	100	100
52.00	40.50	38.02
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

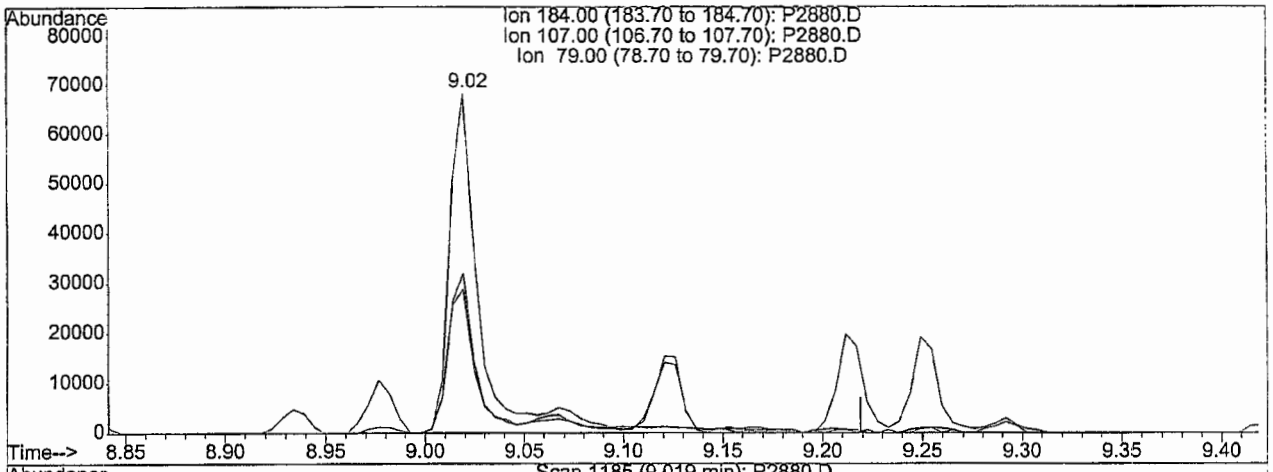
initials JK *date* 7-12-05

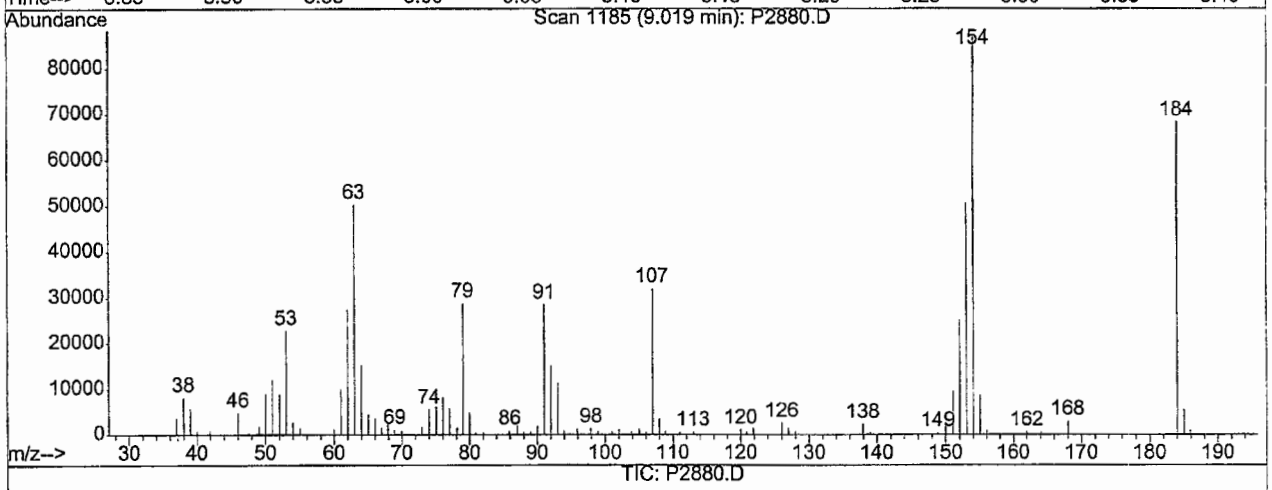
P2880.D 061705S2.M Tue Jul 12 10:12:38 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2880.D Vial: 2
Acq On : 12 Jul 2005 9:29 am Operator: JK SOP50
Sample : ICALSVSTD060 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:12 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:12:09 2005
Response via : Multiple Level Calibration





TIC: P2880.D

(56) 2,4-Dinitrophenol (TP)

9.02min 60.00ng/uL

response 76806

Ion	Exp%	Act%
184.00	100	100
107.00	46.50	46.52
79.00	36.80	36.82
0.00	0.00	0.00

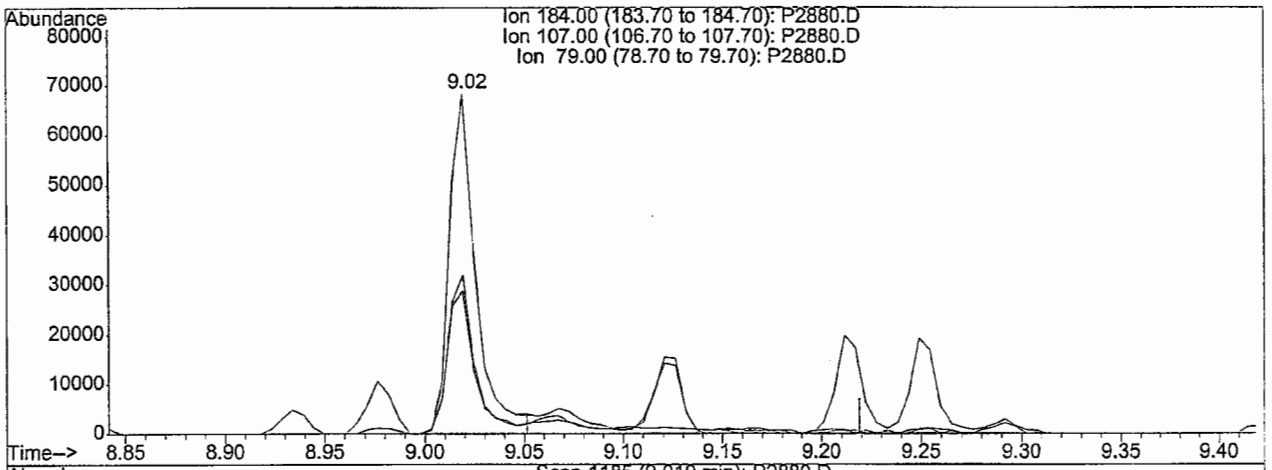
Before

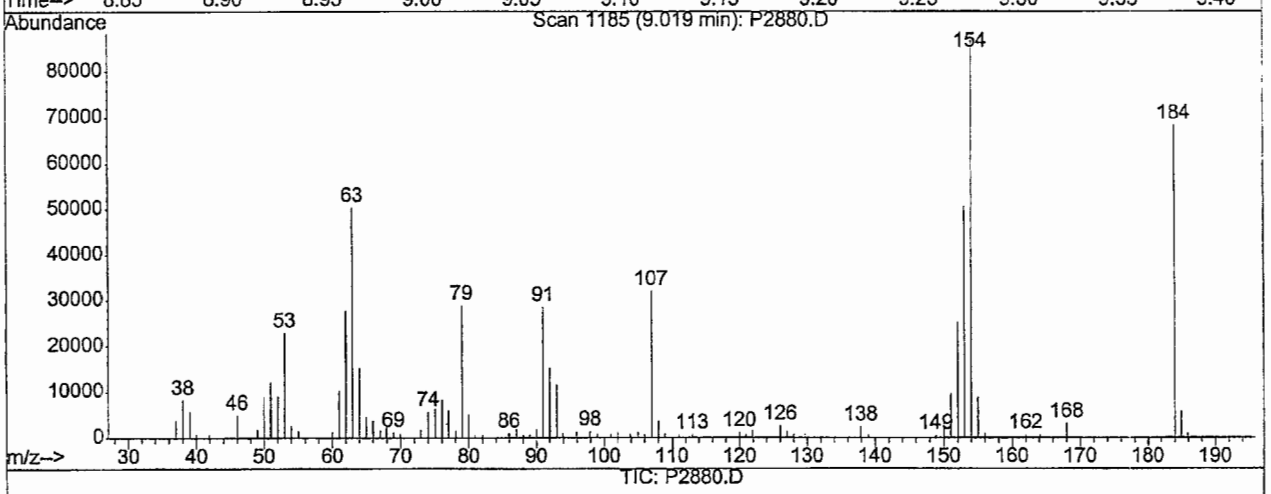
P2880.D 061705S2.M Tue Jul 12 10:13:23 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2880.D Vial: 2
Acq On : 12 Jul 2005 9:29 am Operator: JK SOP50
Sample : ICALSVSTD060 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:13 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:12:09 2005
Response via : Multiple Level Calibration





(56) 2,4-Dinitrophenol (TP)

9.02min 50.19ng/uL m

response 64250

Ion	Exp%	Act%
184.00	100	100
107.00	46.50	55.61
79.00	36.80	44.01
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials DL *date* 7-12-05

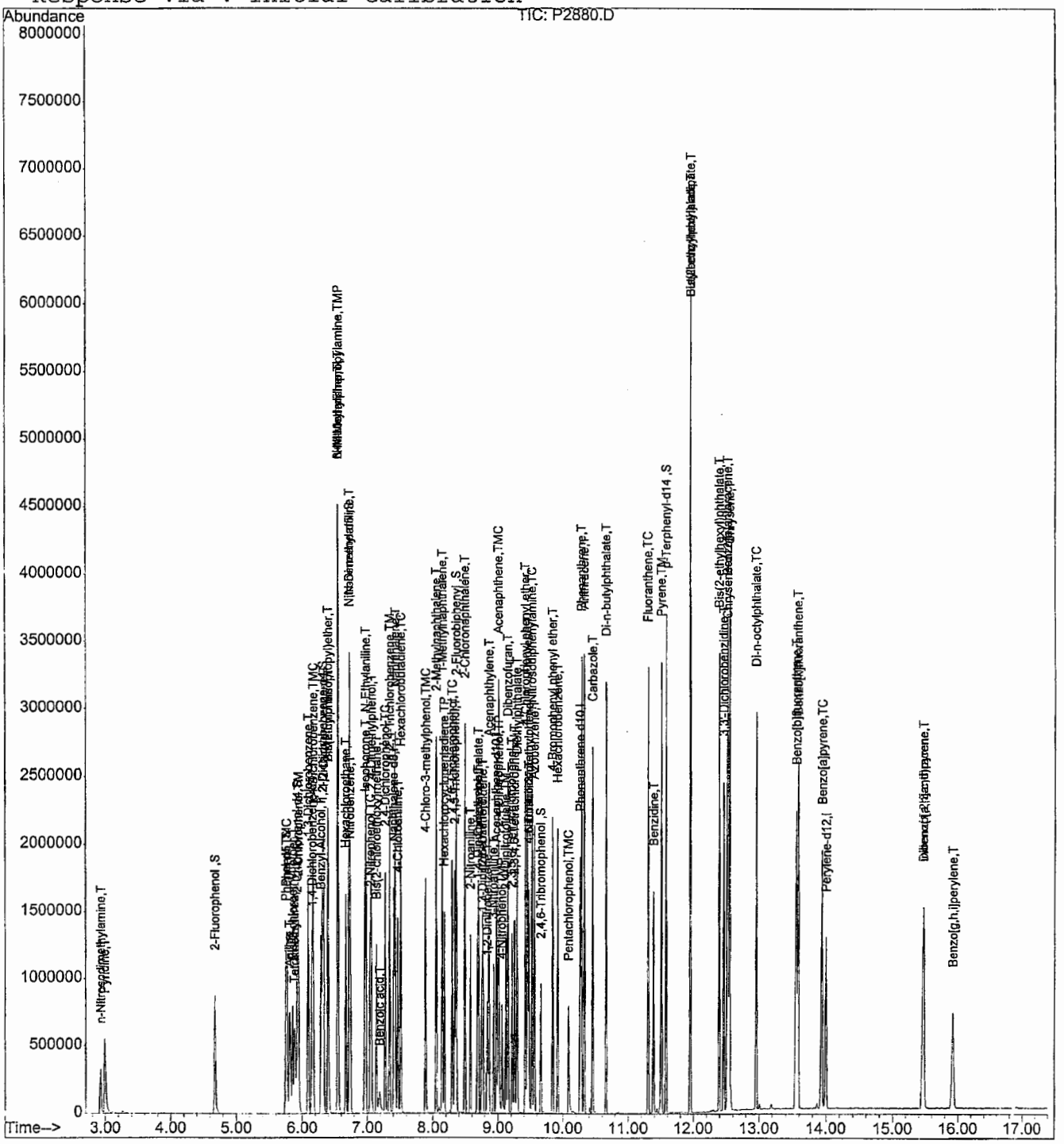
P2880.D 061705S2.M Tue Jul 12 10:13:33 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\071205\P2880.D
Acq On : 12 Jul 2005 9:29 am
Sample : ICALSVSTD060
Misc : ST050712-
MS Integration Params: rteint.p
Quant Time: Jul 12 10:13 2005

Vial: 2
Operator: JK SOP506
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 061705S2.RES

Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:12:09 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2881.D
Acq On : 12 Jul 2005 9:52 am
Sample : ICALSVSTD001
Misc : ST050712-I
MS Integration Params: rteint.p
Quant Time: Jul 12 10:17 2005

Vial: 3
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:16:57 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.14	152	205871	40.00	ng/uL	0.00
24) Naphthalene-d8	7.40	136	671679	40.00	ng/uL	0.00
41) Acenaphthene-d10	8.98	164	377500	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.26	188	690039	40.00	ng/uL	0.00
79) Chrysene-d12	12.53	240	718137	40.00	ng/uL	0.00
90) Perylene-d12	14.00	264	588870	40.00	ng/uL	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.68	112	4799	0.80	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 1.07%#			
5) 2-Chlorophenol-d4	5.92	132	5534	0.93	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 1.24%#			
7) Phenol-d5	5.75	99	6075	0.94	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 1.25%#			
14) 1,2-Dichlorobenzene-d4	6.14	152	205895	46.79	ng/uL	-0.17
Spiked Amount 50.000	Range 16 - 110		Recovery = 93.58%			
25) Nitrobenzene-d5	6.71	82	7004	0.88	ng/uL	-0.01
Spiked Amount 50.000	Range 34 - 111		Recovery = 1.76%#			
45) 2-Fluorobiphenyl	8.36	172	14699	1.05	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 2.10%#			
67) 2,4,6-Tribromophenol	9.66	330	575	0.33	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 0.44%#			
82) p-Terphenyl-d14	11.57	244	17209	1.10	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 2.20%#			

Target Compounds						Qvalue
2) Pyridine	3.03	79	5625	0.87	ng/uL	84
3) n-Nitrosodimethylamine	2.94	74	2727	0.82	ng/uL	83
6) Aniline	5.81	93	8590	1.15	ng/uL	98
8) Phenol	5.76	94	7066	0.95	ng/uL	98
9) Tetramethylurea	5.86	72	9335	0.87	ng/uL#	95
10) Bis(2-chloroethyl)ether	5.84	93	5828	1.04	ng/uL	91
11) 2-Chlorophenol	5.94	128	6870	1.07	ng/uL	85
12) 1,3-Dichlorobenzene	6.09	146	8249	1.08	ng/uL	98
13) 1,4-Dichlorobenzene	6.16	146	8080	1.04	ng/ul#	69
15) 1,2-Dichlorobenzene	6.33	146	7192	0.99	ng/uL	98
16) Benzyl Alcohol	6.29	108	3209	0.80	ng/uL	98
17) Bis(2-chloroisopropyl)ethe	6.40	45	3538	0.98	ng/uL	95
18) 2-Methylphenol	6.39	107	5025	1.00	ng/uL	99
19) n-Nitroso-di-n-propylamine	6.53	70	4462	0.79	ng/uL#	95
20) 3+4-Methylphenol	6.54	108	5838	0.78	ng/uL	93
21) N-Methylaniline	6.54	106	8262	0.83	ng/uL	98

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

9/11 7-12-05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2881.D Vial: 3
Acq On : 12 Jul 2005 9:52 am Operator: JK SOP506 Rev
Sample : ICALSVSTD001 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:17 2005 Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:16:57 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.66	117	2666	0.85 ng/uL	90
23) N,N-Dimethylaniline	6.72	120	9318	0.92 ng/uL	98
26) Nitrobenzene	6.73	77	9918	0.89 ng/uL	95
27) Isophorone	6.95	82	10540	0.90 ng/uL#	93
28) N-Ethylaniline	6.97	106	11536	0.88 ng/uL	98
29) 2-Nitrophenol	7.04	139	2340	0.70 ng/uL#	85
30) 2,4-Dimethylphenol	7.05	107	6117	0.88 ng/uL	97
31) Bis(2-chloroethoxy)methane	7.13	93	6416	0.97 ng/uL	98
32) 2,4-Dichlorophenol	7.27	162	4940	0.87 ng/uL	93
33) Benzoic acid	0.00	105	0	N.D.	
34) 1,2,4-Trichlorobenzene	7.34	180	7270	1.05 ng/uL	95
35) Naphthalene	7.42	128	19076	1.01 ng/uL	99
36) 4-Chloroaniline	7.47	127	6217	0.90 ng/uL	94
37) Hexachlorobutadiene	7.51	225	4878	1.06 ng/uL	96
38) 4-Chloro-3-methylphenol	7.89	107	4235	0.75 ng/uL	92
39) 2-Methylnaphthalene	8.05	142	13212	1.06 ng/uL	99
40) 1-Methylnaphthalene	8.14	142	12979	1.07 ng/uL	95
42) Hexachlorocyclopentadiene	8.17	237	228	0.06 ng/uL#	28
43) 2,4,6-Trichlorophenol	8.30	196	2839	0.69 ng/uL	95
44) 2,4,5-Trichlorophenol	8.34	196	2673	0.60 ng/uL#	92
46) 2-Chloronaphthalene	8.49	162	12301	1.04 ng/uL	97
47) 2-Nitroaniline	8.57	65	2342	0.71 ng/uL	89
48) 1,4-Dinitrobenzene	8.68	168	1225	0.64 ng/uL#	66
49) Dimethylphthalate	8.69	163	12282	1.02 ng/uL#	96
50) 1,3-Dinitrobenzene	8.75	168	1327	0.65 ng/uL	90
51) 2,6-Dinitrotoluene	8.76	165	2644	0.87 ng/uL	98
52) 1,2-Dinitrobenzene	8.83	168	863	0.66 ng/uL#	66
53) Acenaphthylene	8.86	152	18381	1.02 ng/uL	100
54) 3-Nitroaniline	8.93	138	1687	0.64 ng/uL#	81
55) Acenaphthene	9.00	154	11342	0.96 ng/uL	87
56) 2,4-Dinitrophenol	0.00	184	0	N.D.	
57) 4-Nitrophenol	8.98	109	616	0.31 ng/uL#	1
58) Dibenzofuran	9.15	168	17589	1.10 ng/uL	97
59) 2,4-Dinitrotoluene	9.11	165	2460	0.63 ng/uL	88
60) 2,3,5,6-Tetrachlorophenol	9.22	232	703	0.24 ng/uL#	75
61) 2,3,4,6-Tetrachlorophenol	9.25	232	1021	0.29 ng/uL#	81
62) Diethylphthalate	9.29	149	12064	0.97 ng/uL	96
63) Fluorene	9.45	166	14069	1.09 ng/uL	95
64) 4-Chlorophenyl phenyl ethe	9.41	204	6750	1.01 ng/uL	93
65) 4-Nitroaniline	9.46	138	1209	0.42 ng/uL	92
66) Azobenzene	9.55	77	12080	0.98 ng/uL	97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2881.D Vial: 3
Acq On : 12 Jul 2005 9:52 am Operator: JK SOP506 Rev
Sample : ICALSVSTD001 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:17 2005 Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:16:57 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

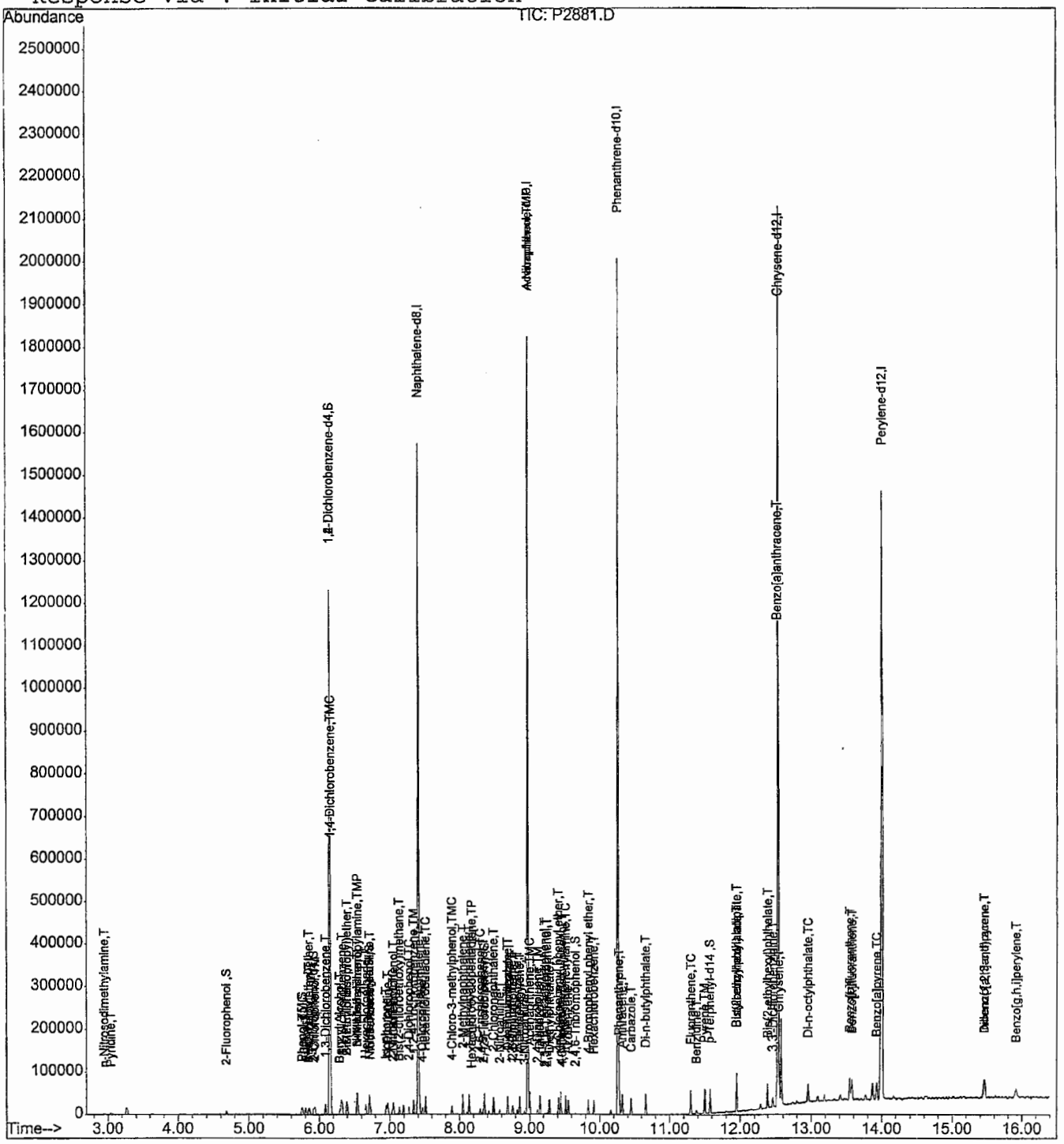
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.47	198	199	0.08 ng/uL#	37
70)	n-Nitrosodiphenylamine	9.51	169	11066	1.06 ng/uL	95
71)	4-Bromophenyl phenyl ether	9.84	248	4154	1.01 ng/uL	92
72)	Hexachlorobenzene	9.92	284	4756	1.15 ng/uL	96
73)	Pentachlorophenol	0.00	266	0	N.D.	
74)	Phenanthrene	10.28	178	21822	1.13 ng/uL	94
75)	Anthracene	10.32	178	19567	1.01 ng/uL	97
76)	Carbazole	10.45	167	16163	0.95 ng/uL	97
77)	Di-n-butylphthalate	10.66	149	21348	0.97 ng/uL	99
78)	Fluoranthene	11.30	202	24385	1.09 ng/uL	98
80)	Benzidine	11.38	184	6178	0.59 ng/uL#	85
81)	Pyrene	11.50	202	25674	1.07 ng/uL	96
83)	Butylbenzylphthalate	11.95	149	9353	0.92 ng/uL	94
84)	Bis(2-ethylhexyl) adipate	11.95	129	7898	0.89 ng/uL	96
85)	Benzo[a]anthracene	12.51	228	28342	1.19 ng/uL	96
86)	3,3'-Dichlorobenzidine	12.46	252	6031	0.71 ng/uL	94
87)	Chrysene	12.54	228	25184	1.14 ng/uL	97
88)	Bis(2-ethylhexyl)phthalate	12.39	149	14893	1.07 ng/uL	96
89)	Di-n-octylphthalate	12.96	149	22468	0.97 ng/uL#	96
91)	Benzo[b]fluoranthene	13.54	252	26067	1.05 ng/uL	97
92)	Benzo[k]fluoranthene	13.57	252	23611	1.01 ng/uL	97
93)	Benzo[a]pyrene	13.93	252	22625	1.04 ng/uL	98
94)	Indeno(1,2,3-c,d)pyrene	15.46	276	23080	1.58 ng/uL	96
95)	Dibenzo[a,h]anthracene	15.46	278	18494	1.45 ng/uL	98
96)	Benzo[g,h,i]perylene	15.91	276	19132	1.70 ng/uL	97

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\071205\P2881.D Vial: 3
Acq On : 12 Jul 2005 9:52 am Operator: JK SOP506
Sample : ICALSVSTD001 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:17 2005 Quant Results File: 061705S2.RES

Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:16:57 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2882.D
Acq On : 12 Jul 2005 10:15 am
Sample : ICALSVSTD005
Misc : ST050712-3
MS Integration Params: rteint.p
Quant Time: Jul 12 10:33 2005

Vial: 4
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:33:08 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.15	152	203259	40.00	ng/uL	0.00
24) Naphthalene-d8	7.40	136	636170	40.00	ng/uL	0.00
41) Acenaphthene-d10	8.97	164	367199	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.26	188	664696	40.00	ng/uL	0.00
79) Chrysene-d12	12.52	240	726898	40.00	ng/uL	0.00
90) Perylene-d12	14.00	264	602363	40.00	ng/uL	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.67	112	29141	4.97	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 6.63%#			
5) 2-Chlorophenol-d4	5.92	132	29097	4.96	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 6.61%#			
7) Phenol-d5	5.74	99	30631	4.90	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 6.53%#			
14) 1,2-Dichlorobenzene-d4	6.31	152	22019	5.03	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 10.06%#			
25) Nitrobenzene-d5	6.71	82	33351	4.70	ng/uL	-0.01
Spiked Amount 50.000	Range 34 - 111		Recovery = 9.40%#			
45) 2-Fluorobiphenyl	8.35	172	68513	5.02	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 10.04%#			
67) 2,4,6-Tribromophenol	9.66	330	5672	4.01	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 5.35%#			
82) p-Terphenyl-d14	11.58	244	81381	5.08	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 10.16%#			

Target Compounds						Qvalue
2) Pyridine	3.01	79	30454	4.89	ng/uL	93
3) n-Nitrosodimethylamine	2.92	74	16753	5.08	ng/uL	99
6) Aniline	5.80	93	39171	5.14	ng/uL	98
8) Phenol	5.76	94	34287	4.83	ng/uL	96
9) Tetramethylurea	5.85	72	45259	4.60	ng/uL	99
10) Bis(2-chloroethyl)ether	5.84	93	25501	4.80	ng/uL	98
11) 2-Chlorophenol	5.93	128	29561	4.83	ng/uL	99
12) 1,3-Dichlorobenzene	6.09	146	35642	4.86	ng/uL	100
13) 1,4-Dichlorobenzene	6.16	146	37715	4.95	ng/ul	94
15) 1,2-Dichlorobenzene	6.32	146	33626	4.83	ng/uL	99
16) Benzyl Alcohol	6.28	108	16006	4.46	ng/uL	94
17) Bis(2-chloroisopropyl)ethe	6.40	45	15790	4.69	ng/uL	97
18) 2-Methylphenol	6.39	107	22451	4.75	ng/uL	98
19) n-Nitroso-di-n-propylamine	6.53	70	20641	4.26	ng/uL	97
20) 3+4-Methylphenol	6.54	108	28731	4.37	ng/uL	95
21) N-Methylaniline	6.54	106	39230	4.43	ng/uL	99

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

JK 7-12-05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2882.D
Acq On : 12 Jul 2005 10:15 am
Sample : ICALSVSTD005
Misc : ST050712-3
MS Integration Params: rteint.p
Quant Time: Jul 12 10:33 2005

Vial: 4
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:33:08 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.67	117	13958	4.75 ng/uL	98
23) N,N-Dimethylaniline	6.71	120	42238	4.59 ng/uL	99
26) Nitrobenzene	6.73	77	46775	4.69 ng/uL	98
27) Isophorone	6.95	82	50393	4.76 ng/uL	99
28) N-Ethylaniline	6.97	106	53081	4.62 ng/uL	99
29) 2-Nitrophenol	7.04	139	12891	4.50 ng/uL	96
30) 2,4-Dimethylphenol	7.05	107	29885	4.75 ng/uL	99
31) Bis(2-chloroethoxy)methane	7.14	93	29629	4.85 ng/uL	98
32) 2,4-Dichlorophenol	7.27	162	23709	4.68 ng/uL	97
33) Benzoic acid	7.06	105	571	0.60 ng/uL#	1
34) 1,2,4-Trichlorobenzene	7.34	180	32083	4.95 ng/uL	99
35) Naphthalene	7.42	128	84165	4.85 ng/uL	99
36) 4-Chloroaniline	7.46	127	31717	4.91 ng/uL	98
37) Hexachlorobutadiene	7.51	225	20810	4.89 ng/uL	97
38) 4-Chloro-3-methylphenol	7.89	107	23278	4.66 ng/uL	99
39) 2-Methylnaphthalene	8.05	142	55551	4.84 ng/uL	97
40) 1-Methylnaphthalene	8.14	142	56375	4.95 ng/uL	99
42) Hexachlorocyclopentadiene	8.18	237	7217	2.91 ng/uL	97
43) 2,4,6-Trichlorophenol	8.29	196	14913	4.25 ng/uL	96
44) 2,4,5-Trichlorophenol	8.33	196	16247	4.30 ng/uL	98
46) 2-Chloronaphthalene	8.49	162	53102	4.80 ng/uL	98
47) 2-Nitroaniline	8.57	65	13193	4.52 ng/uL	96
48) 1,4-Dinitrobenzene	8.68	168	6669	4.17 ng/uL	82
49) Dimethylphthalate	8.69	163	56420	4.90 ng/uL	98
50) 1,3-Dinitrobenzene	8.75	168	8153	4.50 ng/uL	96
51) 2,6-Dinitrotoluene	8.76	165	13884	4.84 ng/uL	95
52) 1,2-Dinitrobenzene	8.82	168	5959	4.83 ng/uL	95
53) Acenaphthylene	8.86	152	78629	4.74 ng/uL	99
54) 3-Nitroaniline	8.93	138	11329	4.68 ng/uL#	99
55) Acenaphthene	9.00	154	50880	4.69 ng/uL	95
56) 2,4-Dinitrophenol	9.03	184	165	0.25 ng/uL#	34
57) 4-Nitrophenol	9.06	109	4386	3.13 ng/uL	99
58) Dibenzofuran	9.15	168	75703	4.93 ng/uL	100
59) 2,4-Dinitrotoluene	9.11	165	16575	4.65 ng/uL	94
60) 2,3,5,6-Tetrachlorophenol	9.21	232	7855	3.51 ng/uL	97
61) 2,3,4,6-Tetrachlorophenol	9.25	232	10844	3.90 ng/uL#	95
62) Diethylphthalate	9.28	149	52655	4.65 ng/uL	99
63) Fluorene	9.44	166	59253	4.86 ng/uL	98
64) 4-Chlorophenyl phenyl ethe	9.42	204	32624	5.01 ng/uL	97
65) 4-Nitroaniline	9.45	138	9884	4.13 ng/uL	97
66) Azobenzene	9.56	77	56181	4.85 ng/uL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2882.D
Acq On : 12 Jul 2005 10:15 am
Sample : ICALSVSTD005
Misc : ST050712
MS Integration Params: rteint.p
Quant Time: Jul 12 10:33 2005

Vial: 4
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:33:08 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

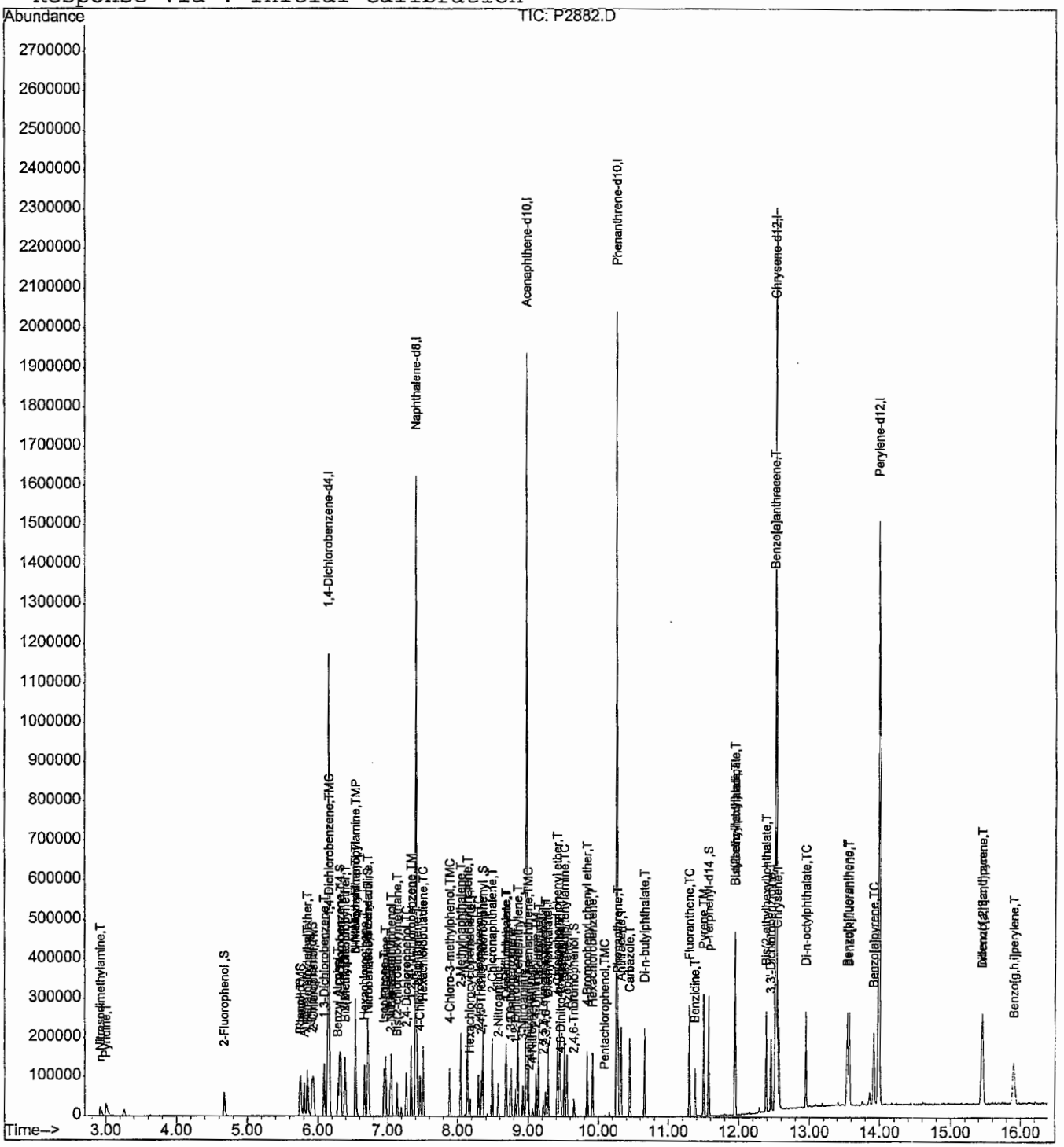
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.47	198	4447	2.82	ng/uL#	60
70)	n-Nitrosodiphenylamine	9.52	169	49639	4.96	ng/uL	100
71)	4-Bromophenyl phenyl ether	9.84	248	19388	4.94	ng/uL	99
72)	Hexachlorobenzene	9.92	284	21155	5.16	ng/uL	98
73)	Pentachlorophenol	10.10	266	1047	1.15	ng/uL#	51
74)	Phenanthrene	10.28	178	89090	4.89	ng/uL	98
75)	Anthracene	10.33	178	88486	4.86	ng/uL	98
76)	Carbazole	10.45	167	75908	4.80	ng/uL	99
77)	Di-n-butylphthalate	10.66	149	94582	4.72	ng/uL	100
78)	Fluoranthene	11.30	202	104084	4.91	ng/uL	99
80)	Benzidine	11.38	184	45171	4.61	ng/uL	99
81)	Pyrene	11.50	202	116362	4.89	ng/uL	98
83)	Butylbenzylphthalate	11.95	149	46052	4.72	ng/uL	94
84)	Bis(2-ethylhexyl) adipate	11.95	129	37200	4.54	ng/uL	94
85)	Benzo[a]anthracene	12.51	228	121370	5.02	ng/uL	99
86)	3,3'-Dichlorobenzidine	12.45	252	39465	4.80	ng/uL	99
87)	Chrysene	12.54	228	115859	5.09	ng/uL	98
88)	Bis(2-ethylhexyl)phthalate	12.39	149	63859	4.75	ng/uL	99
89)	Di-n-octylphthalate	12.95	149	106901	4.78	ng/uL	100
91)	Benzo[b]fluoranthene	13.54	252	111450	4.68	ng/uL	95
92)	Benzo[k]fluoranthene	13.57	252	114266	4.88	ng/uL	97
93)	Benzo[a]pyrene	13.93	252	105859	4.88	ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.45	276	110063	5.95	ng/uL	99
95)	Dibenzo[a,h]anthracene	15.44	278	93763	5.90	ng/uL	99
96)	Benzo[g,h,i]perylene	15.90	276	93440	6.18	ng/uL	98

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\071205\P2882.D Vial: 4
Acq On : 12 Jul 2005 10:15 am Operator: JK SOP506
Sample : ICALSVSTD005 Inst : HPSV-2
Misc : ST050712-3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:33 2005 Quant Results File: 061705S2.RES

Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:33:08 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2883.D Vial: 5
Acq On : 12 Jul 2005 10:38 am Operator: JK SOP506 Rev
Sample : ICALSVSTD010 Inst : HPSV-2
Misc : ST050712-4 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:55 2005 Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:55:22 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.14	152	192028	40.00	ng/uL	0.00
24) Naphthalene-d8	7.40	136	616370	40.00	ng/uL	0.00
41) Acenaphthene-d10	8.98	164	333792	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.26	188	603886	40.00	ng/uL	0.00
79) Chrysene-d12	12.52	240	636399	40.00	ng/uL	0.00
90) Perylene-d12	14.00	264	524272	40.00	ng/uL	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.67	112	57126	10.20	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 13.60%#			
5) 2-Chlorophenol-d4	5.91	132	59232	10.45	ng/uL	-0.01
Spiked Amount 75.000	Range 33 - 110		Recovery = 13.93%#			
7) Phenol-d5	5.74	99	61847	10.30	ng/uL	-0.01
Spiked Amount 75.000	Range 15 - 104		Recovery = 13.73%#			
14) 1,2-Dichlorobenzene-d4	6.31	152	44056	10.43	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 20.86%			
25) Nitrobenzene-d5	6.71	82	67921	9.91	ng/uL	-0.01
Spiked Amount 50.000	Range 34 - 111		Recovery = 19.82%#			
45) 2-Fluorobiphenyl	8.36	172	131584	10.39	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 20.78%#			
67) 2,4,6-Tribromophenol	9.65	330	11601	9.33	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 12.44%#			
82) p-Terphenyl-d14	11.57	244	151407	10.51	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 21.02%#			

Target Compounds						Qvalue
2) Pyridine	2.98	79	61229	10.27	ng/uL	95
3) n-Nitrosodimethylamine	2.90	74	34237	10.73	ng/uL	97
6) Aniline	5.80	93	76158	10.38	ng/uL	98
8) Phenol	5.75	94	72844	10.55	ng/uL	91
9) Tetramethylurea	5.85	72	100063	10.49	ng/uL	99
10) Bis(2-chloroethyl)ether	5.84	93	51373	10.15	ng/uL	100
11) 2-Chlorophenol	5.94	128	59542	10.20	ng/uL	97
12) 1,3-Dichlorobenzene	6.09	146	70082	10.08	ng/uL	98
13) 1,4-Dichlorobenzene	6.17	146	73787	10.17	ng/ul	98
15) 1,2-Dichlorobenzene	6.33	146	67193	10.15	ng/uL	98
16) Benzyl Alcohol	6.28	108	34171	10.06	ng/uL	98
17) Bis(2-chloroisopropyl)ethe	6.40	45	30168	9.65	ng/uL	92
18) 2-Methylphenol	6.38	107	43157	9.78	ng/uL	98
19) n-Nitroso-di-n-propylamine	6.53	70	41893	9.42	ng/uL	97
20) 3+4-Methylphenol	6.54	108	58193	9.57	ng/uL	96
21) N-Methylaniline	6.54	106	80550	9.75	ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2883.D Vial: 5
Acq On : 12 Jul 2005 10:38 am Operator: JK SOP506 Rev
Sample : ICALSVSTD010 Inst : HPSV-2
Misc : ST050712-4 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:55 2005 Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:55:22 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.67	117	26775	9.77 ng/uL	97
23) N,N-Dimethylaniline	6.72	120	84533	9.81 ng/uL	99
26) Nitrobenzene	6.73	77	93976	9.81 ng/uL	100
27) Isophorone	6.95	82	97141	9.64 ng/uL	99
28) N-Ethylaniline	6.97	106	112601	10.08 ng/uL	99
29) 2-Nitrophenol	7.04	139	26311	9.64 ng/uL	96
30) 2,4-Dimethylphenol	7.05	107	59325	9.82 ng/uL	98
31) Bis(2-chloroethoxy)methane	7.13	93	58105	9.88 ng/uL	99
32) 2,4-Dichlorophenol	7.27	162	48350	9.91 ng/uL	99
33) Benzoic acid	7.21	105	2386	3.45 ng/uL#	7
34) 1,2,4-Trichlorobenzene	7.34	180	64748	10.20 ng/uL	99
35) Naphthalene	7.42	128	168584	10.02 ng/uL	99
36) 4-Chloroaniline	7.46	127	59959	9.72 ng/uL	99
37) Hexachlorobutadiene	7.51	225	40997	9.96 ng/uL	100
38) 4-Chloro-3-methylphenol	7.89	107	45374	9.57 ng/uL	99
39) 2-Methylnaphthalene	8.05	142	110750	9.97 ng/uL	98
40) 1-Methylnaphthalene	8.14	142	105409	9.70 ng/uL	99
42) Hexachlorocyclopentadiene	8.17	237	16286	7.97 ng/uL	99
43) 2,4,6-Trichlorophenol	8.29	196	32423	10.12 ng/uL	96
44) 2,4,5-Trichlorophenol	8.33	196	32124	9.55 ng/uL	99
46) 2-Chloronaphthalene	8.48	162	100962	10.02 ng/uL	100
47) 2-Nitroaniline	8.57	65	26440	9.97 ng/uL	99
48) 1,4-Dinitrobenzene	8.68	168	14627	10.04 ng/uL	96
49) Dimethylphthalate	8.69	163	106674	10.13 ng/uL	99
50) 1,3-Dinitrobenzene	8.75	168	17005	10.21 ng/uL	98
51) 2,6-Dinitrotoluene	8.76	165	25646	9.89 ng/uL	98
52) 1,2-Dinitrobenzene	8.83	168	10701	9.69 ng/uL	94
53) Acenaphthylene	8.86	152	155303	10.19 ng/uL	99
54) 3-Nitroaniline	8.93	138	20475	9.53 ng/uL	96
55) Acenaphthene	9.00	154	98070	9.96 ng/uL	95
56) 2,4-Dinitrophenol	9.02	184	2496	5.12 ng/uL	93
57) 4-Nitrophenol	9.06	109	9333	8.05 ng/uL	89
58) Dibenzofuran	9.15	168	139465	10.00 ng/uL	99
59) 2,4-Dinitrotoluene	9.11	165	30769	9.66 ng/uL	98
60) 2,3,5,6-Tetrachlorophenol	9.21	232	17198	8.92 ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	9.25	232	24116	9.68 ng/uL	97
62) Diethylphthalate	9.29	149	100110	9.82 ng/uL	98
63) Fluorene	9.45	166	110664	9.99 ng/uL	98
64) 4-Chlorophenyl phenyl ethe	9.41	204	59954	10.08 ng/uL	99
65) 4-Nitroaniline	9.46	138	20267	9.53 ng/uL	96
66) Azobenzene	9.55	77	105848	10.03 ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2883.D Vial: 5
Acq On : 12 Jul 2005 10:38 am Operator: JK SOP506 Rev
Sample : ICALSVSTD010 Inst : HPSV-2
Misc : ST050712-4 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 10:55 2005 Quant Results File: 061705S2.RES

Quant Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:55:22 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.47	198	11212	8.44 ng/uL	95
70)	n-Nitrosodiphenylamine	9.52	169	90331	9.96 ng/uL	98
71)	4-Bromophenyl phenyl ether	9.84	248	36024	10.07 ng/uL	99
72)	Hexachlorobenzene	9.92	284	38183	10.16 ng/uL	98
73)	Pentachlorophenol	10.09	266	3741	5.55 ng/uL	99
74)	Phenanthrene	10.28	178	163951	9.93 ng/uL	99
75)	Anthracene	10.32	178	161841	9.85 ng/uL	99
76)	Carbazole	10.45	167	135817	9.63 ng/uL	99
77)	Di-n-butylphthalate	10.66	149	184935	10.10 ng/uL	100
78)	Fluoranthene	11.29	202	193368	10.02 ng/uL	100
80)	Benzidine	11.38	184	71486	8.82 ng/uL	99
81)	Pyrene	11.50	202	211499	10.10 ng/uL	99
83)	Butylbenzylphthalate	11.95	149	82770	9.79 ng/uL	96
84)	Bis(2-ethylhexyl) adipate	11.95	129	66942	9.54 ng/uL	97
85)	Benzo[a]anthracene	12.51	228	211792	10.01 ng/uL	100
86)	3,3'-Dichlorobenzidine	12.45	252	69138	9.73 ng/uL	99
87)	Chrysene	12.54	228	199950	10.02 ng/uL	99
88)	Bis(2-ethylhexyl)phthalate	12.39	149	117767	10.01 ng/uL	99
89)	Di-n-octylphthalate	12.95	149	199250	10.12 ng/uL	99
91)	Benzo[b]fluoranthene	13.54	252	217706	10.33 ng/uL	100
92)	Benzo[k]fluoranthene	13.57	252	186653	9.43 ng/uL	98
93)	Benzo[a]pyrene	13.93	252	189890	10.04 ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.46	276	184797	10.94 ng/uL	99
95)	Dibenzo[a,h]anthracene	15.45	278	154638	10.76 ng/uL	99
96)	Benzo[g,h,i]perylene	15.91	276	158756	11.29 ng/uL	99

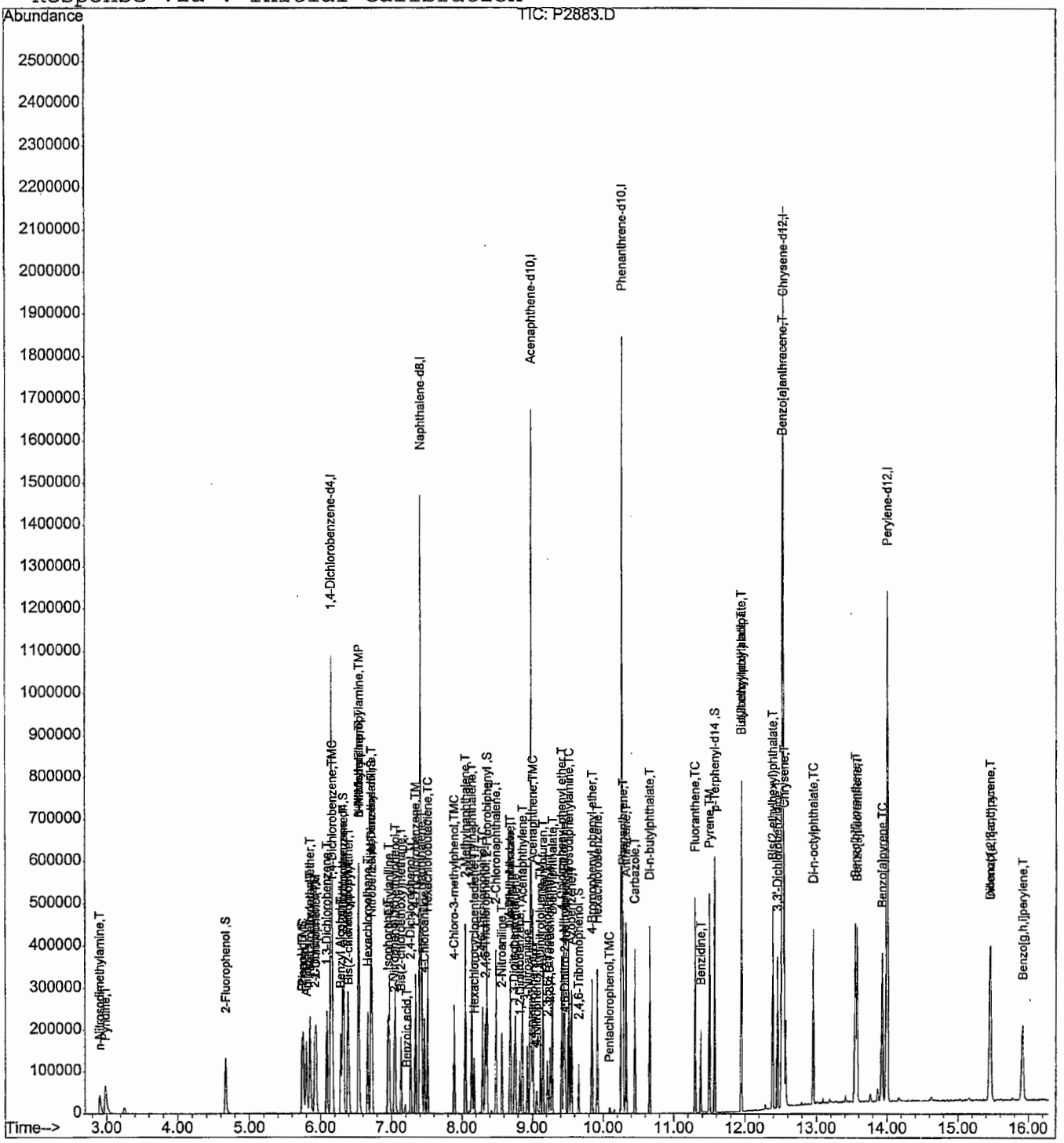
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\071205\P2883.D
Acq On : 12 Jul 2005 10:38 am
Sample : ICALSVSTD010
Misc : ST050712-4
MS Integration Params: rteint.p
Quant Time: Jul 12 10:55 2005

Vial: 5
Operator: JK SOP506
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 061705S2.RES

Method : C:\HPCHEM\1\METHODS\061705S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 10:58:12 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2884.D Vial: 6
Acq On : 12 Jul 2005 11:00 am Operator: JK SOP506 Rev
Sample : ICALSVSTD020 Inst : HPSV-2
Misc : ST050712-7 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 11:20 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:16:40 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.14	152	199129	40.00	ng/uL	0.00
24) Naphthalene-d8	7.41	136	631631	40.00	ng/uL	0.00
41) Acenaphthene-d10	8.98	164	342254	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.26	188	614325	40.00	ng/uL	0.00
79) Chrysene-d12	12.53	240	657290	40.00	ng/uL	0.00
90) Perylene-d12	14.00	264	533586	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.67	112	119437	20.42	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 27.23%			
5) 2-Chlorophenol-d4	5.92	132	125639	21.02	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 28.03%#			
7) Phenol-d5	5.74	99	131531	20.84	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 27.79%			
14) 1,2-Dichlorobenzene-d4	6.31	152	90415	20.48	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 40.96%			
25) Nitrobenzene-d5	6.71	82	142442	20.22	ng/uL	-0.01
Spiked Amount 50.000	Range 34 - 111		Recovery = 40.44%			
45) 2-Fluorobiphenyl	8.36	172	274960	20.87	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 41.74%			
67) 2,4,6-Tribromophenol	9.65	330	27640	21.23	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 28.31%			
82) p-Terphenyl-d14	11.58	244	303507	20.40	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 40.80%			

Target Compounds						Qvalue
2) Pyridine	2.97	79	128455	20.25	ng/uL	98
3) n-Nitrosodimethylamine	2.90	74	70778	21.09	ng/uL	98
6) Aniline	5.80	93	164532	21.20	ng/uL	98
8) Phenol	5.75	94	125878	18.13	ng/uL	97
9) Tetramethylurea	5.86	72	215068	21.28	ng/uL	99
10) Bis(2-chloroethyl)ether	5.85	93	105549	20.09	ng/uL	99
11) 2-Chlorophenol	5.94	128	124553	20.43	ng/uL	98
12) 1,3-Dichlorobenzene	6.09	146	145861	20.17	ng/uL	99
13) 1,4-Dichlorobenzene	6.17	146	150652	20.01	ng/ul	99
15) 1,2-Dichlorobenzene	6.33	146	137433	20.01	ng/uL	98
16) Benzyl Alcohol	6.28	108	71286	20.17	ng/uL	100
17) Bis(2-chloroisopropyl)ethe	6.40	45	62674	19.50	ng/uL	96
18) 2-Methylphenol	6.38	107	89536	19.67	ng/uL	100
19) n-Nitroso-di-n-propylamine	6.53	70	88930	19.46	ng/uL	98
20) 3+4-Methylphenol	6.54	108	122625	19.58	ng/uL	97
21) N-Methylaniline	6.54	106	168620	19.76	ng/uL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2884.D
Acq On : 12 Jul 2005 11:00 am
Sample : ICALSVSTD020
Misc : ST050712-7
MS Integration Params: rteint.p
Quant Time: Jul 12 11:20 2005

Vial: 6
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:16:40 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22)	Hexachloroethane	6.67	117	57109	20.07 ng/uL	98
23)	N,N-Dimethylaniline	6.72	120	177738	19.92 ng/uL	98
26)	Nitrobenzene	6.73	77	192379	19.70 ng/uL	99
27)	Isophorone	6.95	82	206454	19.99 ng/uL	99
28)	N-Ethylaniline	6.97	106	231798	20.18 ng/uL	99
29)	2-Nitrophenol	7.04	139	56939	20.27 ng/uL	99
30)	2,4-Dimethylphenol	7.05	107	125090	20.16 ng/uL	98
31)	Bis(2-chloroethoxy)methane	7.13	93	120047	19.93 ng/uL	99
32)	2,4-Dichlorophenol	7.27	162	100884	20.13 ng/uL	99
33)	Benzoic acid	7.18	105	13988	19.81 ng/uL#	83
34)	1,2,4-Trichlorobenzene	7.34	180	129524	19.93 ng/uL	99
35)	Naphthalene	7.42	128	337953	19.70 ng/uL	99
36)	4-Chloroaniline	7.46	127	126285	19.98 ng/uL	98
37)	Hexachlorobutadiene	7.51	225	84574	20.03 ng/uL	100
38)	4-Chloro-3-methylphenol	7.89	107	91938	19.18 ng/uL	97
39)	2-Methylnaphthalene	8.05	142	230445	20.18 ng/uL	100
40)	1-Methylnaphthalene	8.14	142	217157	19.62 ng/uL	98
42)	Hexachlorocyclopentadiene	8.17	237	43735	20.64 ng/uL	99
43)	2,4,6-Trichlorophenol	8.29	196	66174	20.10 ng/uL	98
44)	2,4,5-Trichlorophenol	8.33	196	73405	20.95 ng/uL	98
46)	2-Chloronaphthalene	8.48	162	212871	20.46 ng/uL	99
47)	2-Nitroaniline	8.57	65	55960	20.43 ng/uL	99
48)	1,4-Dinitrobenzene	8.68	168	31278	20.70 ng/uL	93
49)	Dimethylphthalate	8.69	163	217455	20.11 ng/uL	100
50)	1,3-Dinitrobenzene	8.75	168	36113	20.85 ng/uL	98
51)	2,6-Dinitrotoluene	8.76	165	55093	20.54 ng/uL	98
52)	1,2-Dinitrobenzene	8.83	168	23874	20.80 ng/uL	92
53)	Acenaphthylene	8.86	152	315385	20.14 ng/uL	100
54)	3-Nitroaniline	8.93	138	42654	19.51 ng/uL	98
55)	Acenaphthene	9.00	154	200315	19.88 ng/uL	98
56)	2,4-Dinitrophenol	9.01	184	9489m	20.18 ng/uL	
57)	4-Nitrophenol	9.06	109	24502	20.46 ng/uL	97
58)	Dibenzofuran	9.15	168	282865	19.84 ng/uL	99
59)	2,4-Dinitrotoluene	9.11	165	63512	19.58 ng/uL	98
60)	2,3,5,6-Tetrachlorophenol	9.21	232	41298	20.66 ng/uL	99
61)	2,3,4,6-Tetrachlorophenol	9.25	232	54112	20.88 ng/uL	98
62)	Diethylphthalate	9.29	149	203517	19.60 ng/uL	100
63)	Fluorene	9.45	166	226235	19.94 ng/uL	99
64)	4-Chlorophenyl phenyl ethe	9.41	204	119332	19.68 ng/uL	99
65)	4-Nitroaniline	9.46	138	42971	19.79 ng/uL	98
66)	Azobenzene	9.55	77	216281	19.99 ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2884.D
Acq On : 12 Jul 2005 11:00 am
Sample : ICALSVSTD020
Misc : ST050712-7
MS Integration Params: rteint.p
Quant Time: Jul 12 11:20 2005

Vial: 6
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:16:40 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

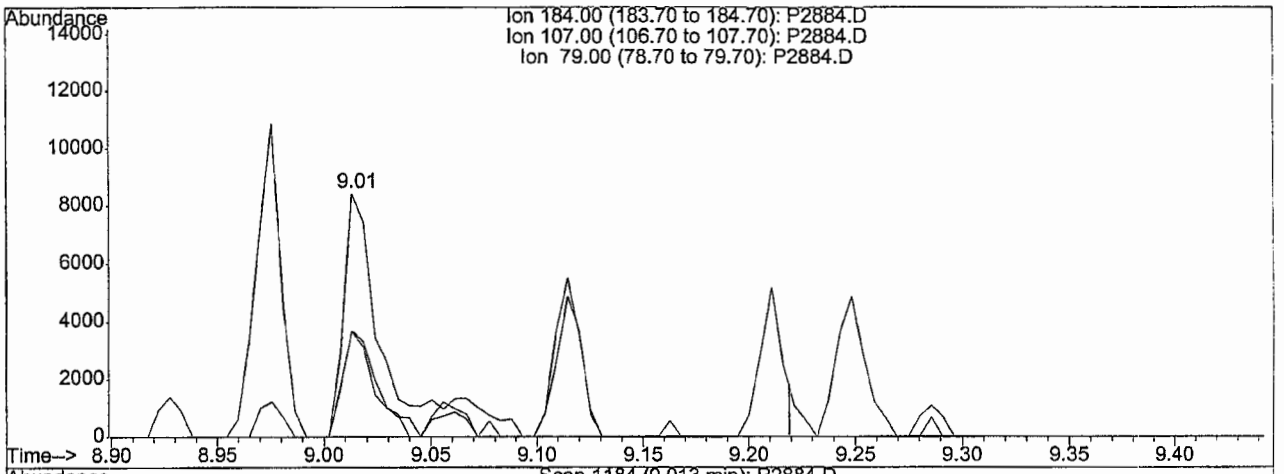
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.47	198	29226	21.19 ng/uL	97
70)	n-Nitrosodiphenylamine	9.52	169	183626	19.92 ng/uL	98
71)	4-Bromophenyl phenyl ether	9.84	248	75919	20.65 ng/uL	99
72)	Hexachlorobenzene	9.92	284	75641	19.84 ng/uL	99
73)	Pentachlorophenol	10.09	266	13448	19.70 ng/uL	97
74)	Phenanthrene	10.28	178	329080	19.70 ng/uL	99
75)	Anthracene	10.32	178	330613	19.84 ng/uL	99
76)	Carbazole	10.45	167	283450	19.81 ng/uL	99
77)	Di-n-butylphthalate	10.66	149	391968	20.77 ng/uL	100
78)	Fluoranthene	11.29	202	394919	20.12 ng/uL	99
80)	Benzidine	11.38	184	135875	16.24 ng/uL	99
81)	Pyrene	11.50	202	430661	19.91 ng/uL	99
83)	Butylbenzylphthalate	11.95	149	174809	20.02 ng/uL	96
84)	Bis(2-ethylhexyl) adipate	11.95	129	144822	19.99 ng/uL	95
85)	Benzo[a]anthracene	12.51	228	440943	20.17 ng/uL	100
86)	3,3'-Dichlorobenzidine	12.46	252	143076	19.50 ng/uL	99
87)	Chrysene	12.55	228	396323	19.24 ng/uL	100
88)	Bis(2-ethylhexyl)phthalate	12.39	149	243968	20.08 ng/uL	99
89)	Di-n-octylphthalate	12.96	149	418039	20.55 ng/uL	99
91)	Benzo[b]fluoranthene	13.54	252	423916	19.76 ng/uL	100
92)	Benzo[k]fluoranthene	13.58	252	397467	19.72 ng/uL	99
93)	Benzo[a]pyrene	13.93	252	385447	20.03 ng/uL	100
94)	Indeno(1,2,3-c,d)pyrene	15.46	276	370320	21.54 ng/uL	100
95)	Dibenzo[a,h]anthracene	15.46	278	306436	20.95 ng/uL	99
96)	Benzo[g,h,i]perylene	15.92	276	297318	20.78 ng/uL	99

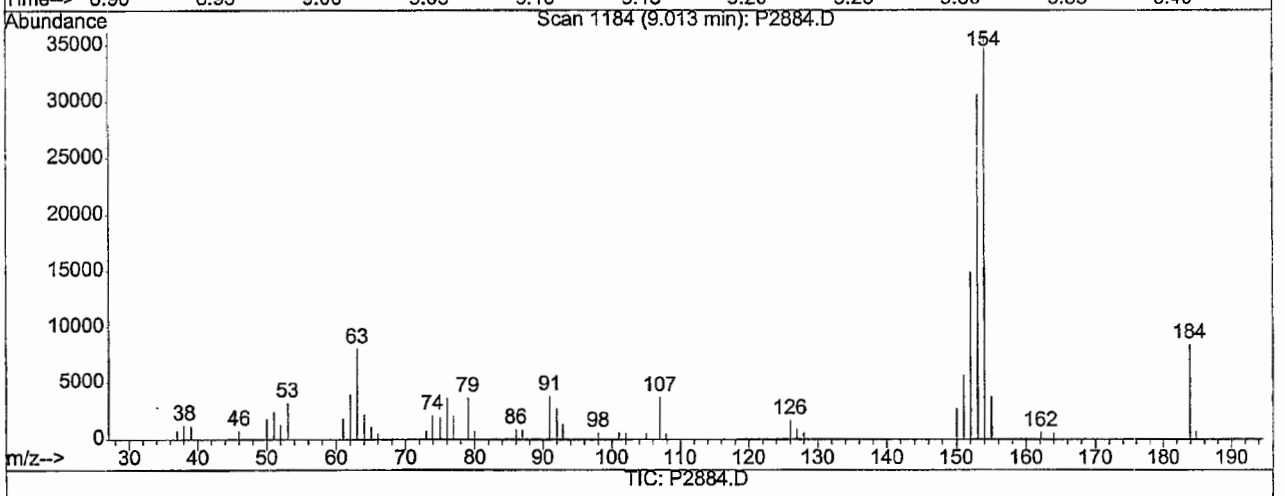
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2884.D Vial: 6
Acq On : 12 Jul 2005 11:00 am Operator: JK SOP50
Sample : ICALSVSTD020 Inst : HPSV-2
Misc : ST050712-7 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 11:18 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:18:41 2005
Response via : Multiple Level Calibration





TIC: P2884.D

(56) 2,4-Dinitrophenol (TP)

9.01min 24.62ng/uL

response 11575

Ion	Exp%	Act%
184.00	100	100
107.00	55.60	36.09#
79.00	44.00	32.67
0.00	0.00	0.00

Before

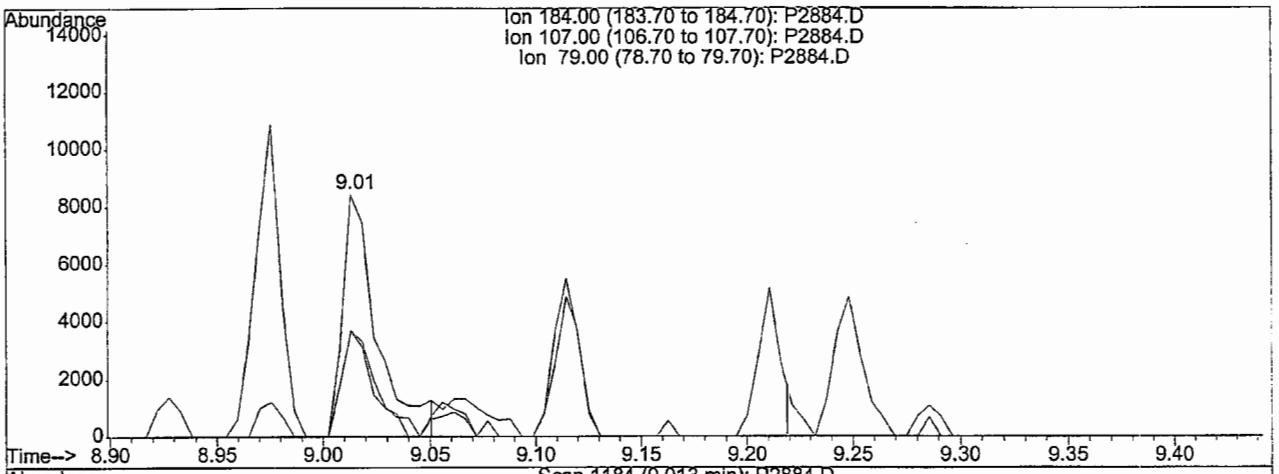
P2884.D 071205S2.M Tue Jul 12 11:20:15 2005

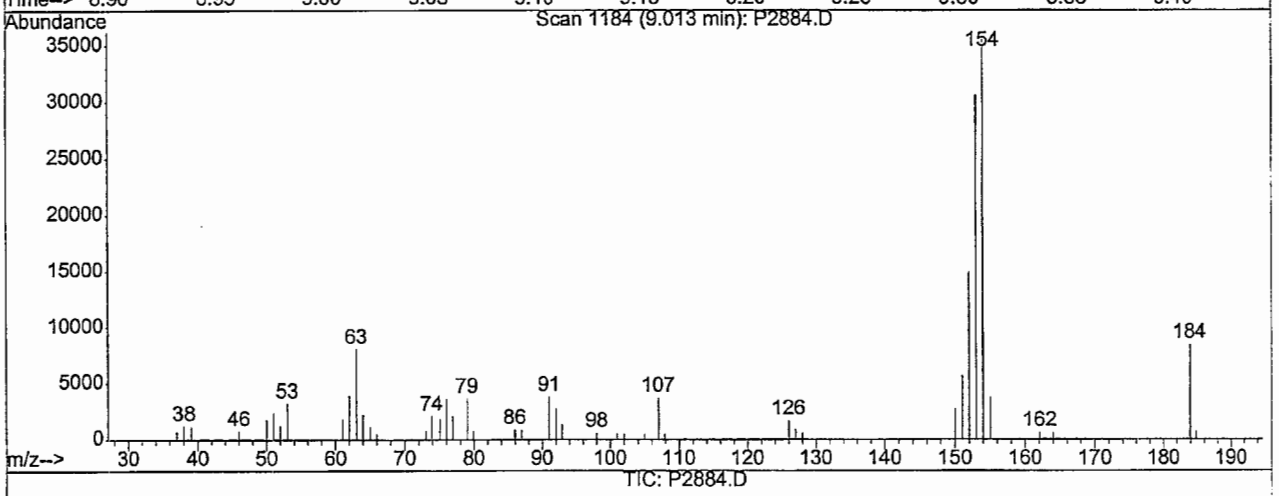
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2884.D
Acq On : 12 Jul 2005 11:00 am
Sample : ICALSVSTD020
Misc : ST050712-7
MS Integration Params: rteint.p
Quant Time: Jul 12 11:20 2005

Vial: 6
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:18:41 2005
Response via : Multiple Level Calibration





TIC: P2884.D

(56) 2,4-Dinitrophenol (TP)

9.01min 20.18ng/uL m

response 9489

Ion	Exp%	Act%
184.00	100	100
107.00	55.60	44.02
79.00	44.00	39.86
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

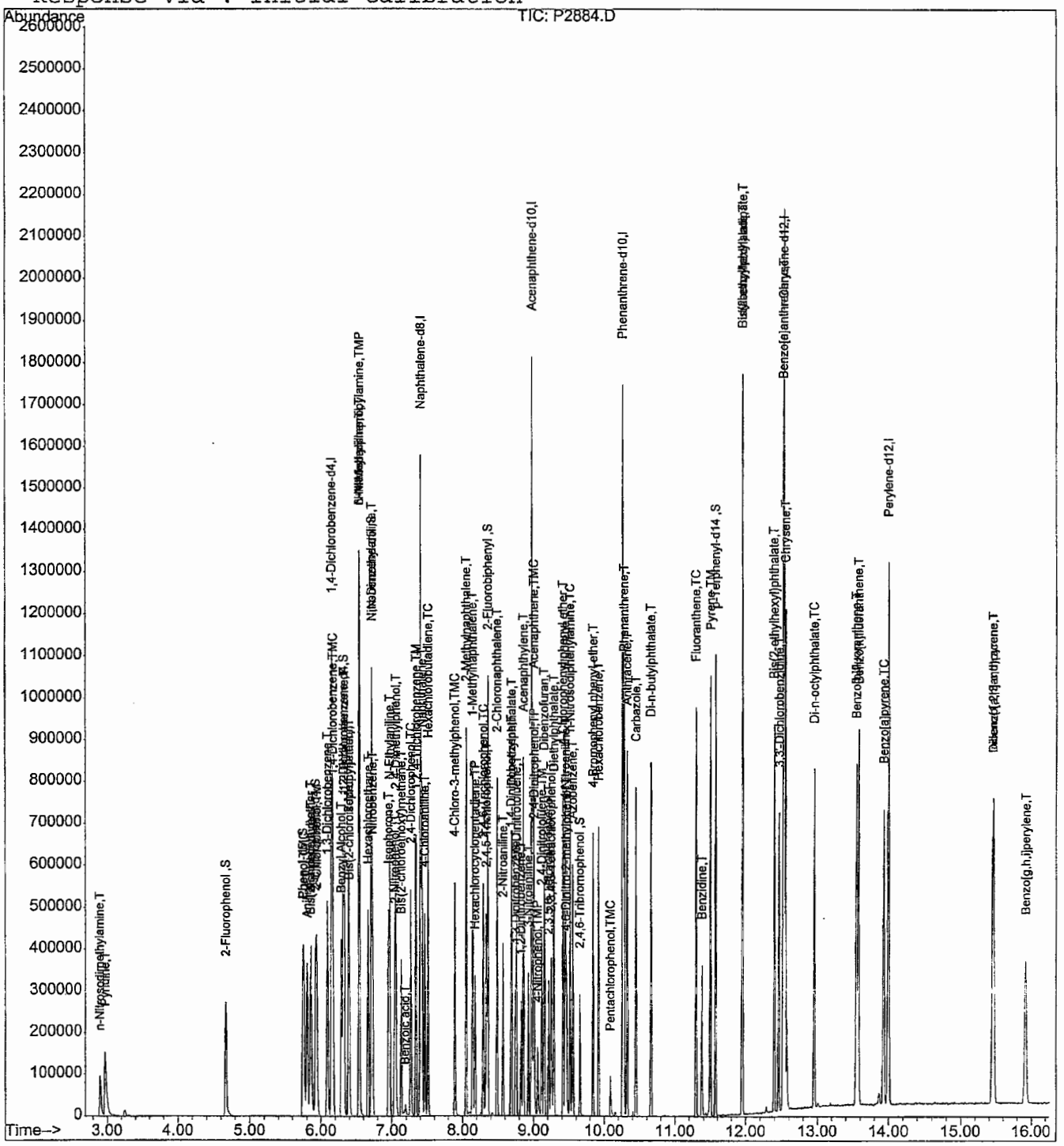
initials JK *date* 7-12-05

P2884.D 071205S2.M Tue Jul 12 11:20:19 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\071205\P2884.D Vial: 6
Acq On : 12 Jul 2005 11:00 am Operator: JK SOP506
Sample : ICALSVSTD020 Inst : HPSV-2
Misc : ST050712-7 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 11:20 2005 Quant Results File: 071205S2.RES

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:18:41 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2885.D Vial: 7
Acq On : 12 Jul 2005 11:23 am Operator: JK SOP506 Rev
Sample : ICALSVSTD040 Inst : HPSV-2
Misc : ST050712-8 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 13:10 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:41:48 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.15	152	193631	40.00 ng/uL	0.00
24) Naphthalene-d8	7.41	136	614444	40.00 ng/uL	0.00
41) Acenaphthene-d10	8.98	164	334004	40.00 ng/uL	0.00
68) Phenanthrene-d10	10.26	188	605408	40.00 ng/uL	0.00
79) Chrysene-d12	12.53	240	636146	40.00 ng/uL	0.00
90) Perylene-d12	13.99	264	483135	40.00 ng/uL	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	4.66	112	238445	41.53 ng/uL	-0.01
Spiked Amount 75.000	Range 21 - 100		Recovery = 55.37%		
5) 2-Chlorophenol-d4	5.92	132	242449	41.36 ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 55.15%		
7) Phenol-d5	5.74	99	239676	39.24 ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 52.32%		
14) 1,2-Dichlorobenzene-d4	6.31	152	176460	40.88 ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 81.76%		
25) Nitrobenzene-d5	6.72	82	294315	42.32 ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 84.64%		
45) 2-Fluorobiphenyl	8.36	172	526289	40.75 ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 81.50%		
67) 2,4,6-Tribromophenol	9.66	330	60147	45.67 ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 60.89%		
82) p-Terphenyl-d14	11.58	244	587309	40.47 ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 80.94%		

Target Compounds					Qvalue
2) Pyridine	2.96	79	250595m	41.19 ng/uL	
3) n-Nitrosodimethylamine	2.90	74	140974	42.63 ng/uL	98
6) Aniline	5.81	93	297382	39.53 ng/uL	95
8) Phenol	5.76	94	249778	37.57 ng/uL	98
9) Tetramethylurea	5.87	72	415840	41.83 ng/uL	99
10) Bis(2-chloroethyl)ether	5.85	93	215952	41.79 ng/uL	99
11) 2-Chlorophenol	5.94	128	239617	40.34 ng/uL	99
12) 1,3-Dichlorobenzene	6.09	146	286874	40.63 ng/uL	99
13) 1,4-Dichlorobenzene	6.17	146	293814	40.11 ng/ul	100
15) 1,2-Dichlorobenzene	6.33	146	270752	40.44 ng/uL	99
16) Benzyl Alcohol	6.29	108	144644	41.65 ng/uL	100
17) Bis(2-chloroisopropyl)ethe	6.40	45	124676	39.91 ng/uL	96
18) 2-Methylphenol	6.39	107	178365	40.23 ng/uL	99
19) n-Nitroso-di-n-propylamine	6.54	70	193418	42.78 ng/uL	99
20) 3+4-Methylphenol	6.55	108	260741	42.22 ng/uL	99
21) N-Methylaniline	6.55	106	355303	42.23 ng/uL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2885.D
Acq On : 12 Jul 2005 11:23 am
Sample : ICALSVSTD040
Misc : ST050712-8
MS Integration Params: rteint.p
Quant Time: Jul 12 13:10 2005

Vial: 7
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:41:48 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.67	117	111203	40.15 ng/uL	96
23) N,N-Dimethylaniline	6.72	120	359160	41.11 ng/uL	99
26) Nitrobenzene	6.74	77	399603	41.63 ng/uL	99
27) Isophorone	6.96	82	413339	40.91 ng/uL	99
28) N-Ethylaniline	6.97	106	465308	41.31 ng/uL	99
29) 2-Nitrophenol	7.04	139	115968	41.92 ng/uL	99
30) 2,4-Dimethylphenol	7.05	107	248991	40.99 ng/uL	99
31) Bis(2-chloroethoxy)methane	7.14	93	236724	40.33 ng/uL	100
32) 2,4-Dichlorophenol	7.27	162	201570	41.06 ng/uL	100
33) Benzoic acid	7.17	105	44635m	32.24 ng/uL	
34) 1,2,4-Trichlorobenzene	7.34	180	256209	40.43 ng/uL	99
35) Naphthalene	7.43	128	674337	40.33 ng/uL	100
36) 4-Chloroaniline	7.46	127	244221	39.78 ng/uL	99
37) Hexachlorobutadiene	7.51	225	169485	41.01 ng/uL	98
38) 4-Chloro-3-methylphenol	7.89	107	190647	40.71 ng/uL	99
39) 2-Methylnaphthalene	8.05	142	442797	39.89 ng/uL	99
40) 1-Methylnaphthalene	8.14	142	422571	39.40 ng/uL	98
42) Hexachlorocyclopentadiene	8.17	237	97010	45.35 ng/uL	99
43) 2,4,6-Trichlorophenol	8.29	196	135719	41.78 ng/uL	99
44) 2,4,5-Trichlorophenol	8.33	196	143745	41.62 ng/uL	99
46) 2-Chloronaphthalene	8.49	162	408440	40.18 ng/uL	100
47) 2-Nitroaniline	8.58	65	111933	41.49 ng/uL	100
48) 1,4-Dinitrobenzene	8.68	168	65023	43.21 ng/uL	98
49) Dimethylphthalate	8.70	163	428569	40.49 ng/uL	99
50) 1,3-Dinitrobenzene	8.75	168	71743	41.93 ng/uL	97
51) 2,6-Dinitrotoluene	8.77	165	107175	40.75 ng/uL	99
52) 1,2-Dinitrobenzene	8.83	168	46141	40.95 ng/uL	97
53) Acenaphthylene	8.86	152	617354	40.32 ng/uL	100
54) 3-Nitroaniline	8.93	138	83612	39.35 ng/uL	97
55) Acenaphthene	9.01	154	405275	40.97 ng/uL	99
56) 2,4-Dinitrophenol	9.02	184	27554m	34.89 ng/uL	
57) 4-Nitrophenol	9.06	109	56772	39.04 ng/uL	98
58) Dibenzofuran	9.15	168	549536	39.59 ng/uL	100
59) 2,4-Dinitrotoluene	9.12	165	132173	41.40 ng/uL	98
60) 2,3,5,6-Tetrachlorophenol	9.21	232	90335	44.88 ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	9.25	232	109724	42.66 ng/uL	98
62) Diethylphthalate	9.29	149	421255	41.25 ng/uL	100
63) Fluorene	9.45	166	444599	40.12 ng/uL	100
64) 4-Chlorophenyl phenyl ethe	9.42	204	230152	39.11 ng/uL	99
65) 4-Nitroaniline	9.46	138	92160	42.74 ng/uL	98
66) Azobenzene	9.56	77	427896	40.42 ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2885.D Vial: 7
Acq On : 12 Jul 2005 11:23 am Operator: JK SOP506 Rev
Sample : ICALSVSTD040 Inst : HPSV-2
Misc : ST050712-8 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 13:10 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:41:48 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

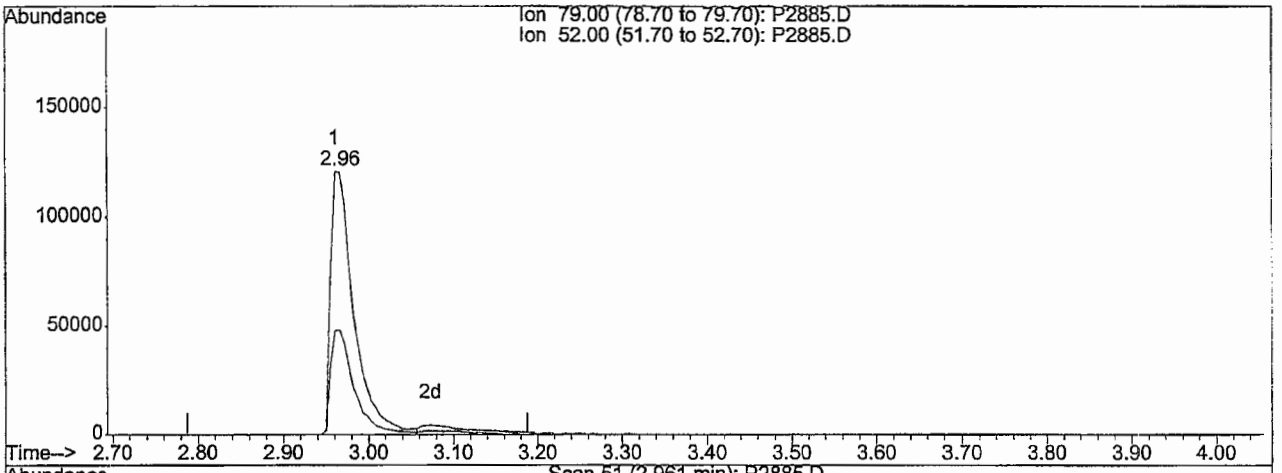
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.47	198	73439	41.27 ng/uL	97
70)	n-Nitrosodiphenylamine	9.52	169	357113	39.45 ng/uL	99
71)	4-Bromophenyl phenyl ether	9.84	248	146342	40.31 ng/uL	100
72)	Hexachlorobenzene	9.92	284	148615	39.65 ng/uL	98
73)	Pentachlorophenol	10.09	266	43553m	41.02 ng/uL	
74)	Phenanthrene	10.28	178	669639	40.53 ng/uL	99
75)	Anthracene	10.33	178	666062	40.44 ng/uL	100
76)	Carbazole	10.45	167	578471	40.82 ng/uL	100
77)	Di-n-butylphthalate	10.66	149	767147	41.00 ng/uL	100
78)	Fluoranthene	11.30	202	780206	40.22 ng/uL	99
80)	Benzidine	11.38	184	309802	40.11 ng/uL	100
81)	Pyrene	11.50	202	850751	40.54 ng/uL	99
83)	Butylbenzylphthalate	11.95	149	346455	40.79 ng/uL	97
84)	Bis(2-ethylhexyl) adipate	11.95	129	288537	40.92 ng/uL	97
85)	Benzo[a]anthracene	12.51	228	842822	39.80 ng/uL	99
86)	3,3'-Dichlorobenzidine	12.46	252	296502	41.60 ng/uL	99
87)	Chrysene	12.55	228	778616	39.54 ng/uL	99
88)	Bis(2-ethylhexyl)phthalate	12.39	149	483260	40.84 ng/uL	99
89)	Di-n-octylphthalate	12.96	149	806041	40.52 ng/uL	99
91)	Benzo[b]fluoranthene	13.55	252	769113	39.77 ng/uL	100
92)	Benzo[k]fluoranthene	13.58	252	768649	41.80 ng/uL	100
93)	Benzo[a]pyrene	13.93	252	717414	40.92 ng/uL	100
94)	Indeno(1,2,3-c,d)pyrene	15.47	276	623711	39.45 ng/uL	100
95)	Dibenzo[a,h]anthracene	15.46	278	525000	39.34 ng/uL	99
96)	Benzo[g,h,i]perylene	15.92	276	487937	37.81 ng/uL	99

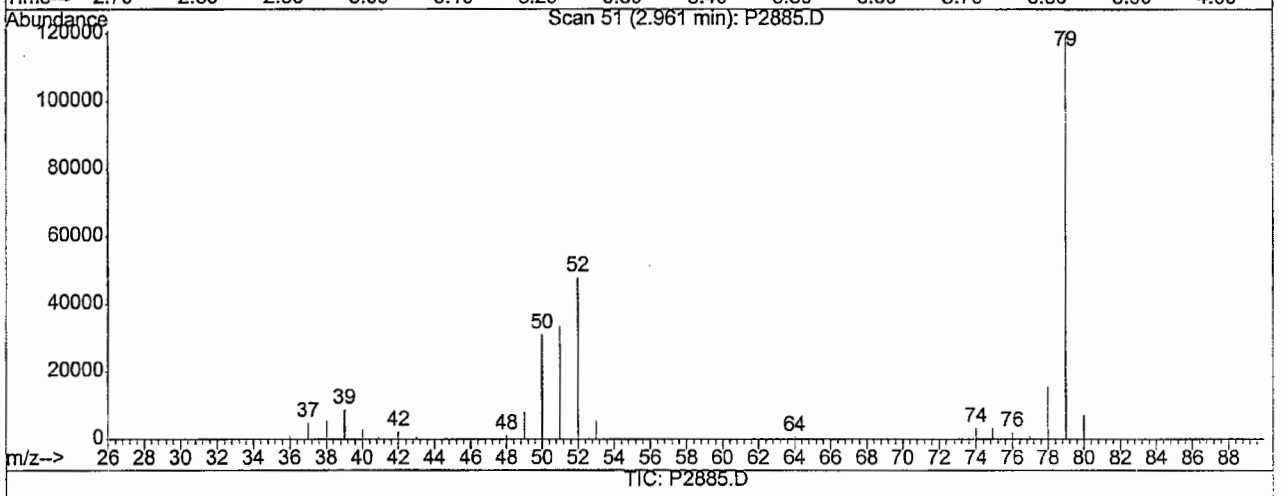
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2885.D Vial: 7
Acq On : 12 Jul 2005 11:23 am Operator: JK SOP50
Sample : ICALSVSTD040 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 11:41 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:41:48 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.96min 37.78ng/uL

response 229849

Ion	Exp%	Act%
79.00	100	100
52.00	38.00	40.00
0.00	0.00	0.00
0.00	0.00	0.00

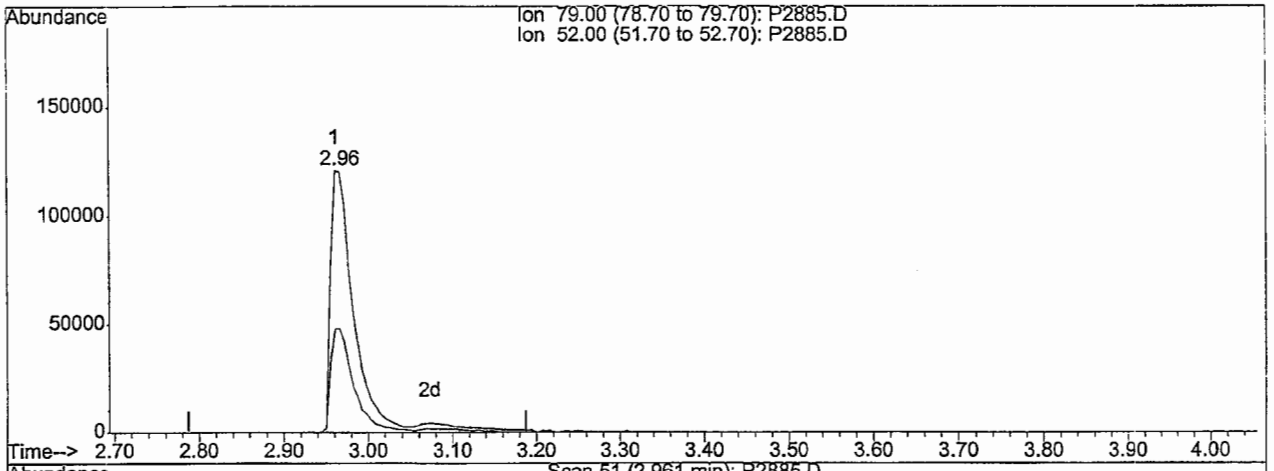
Before

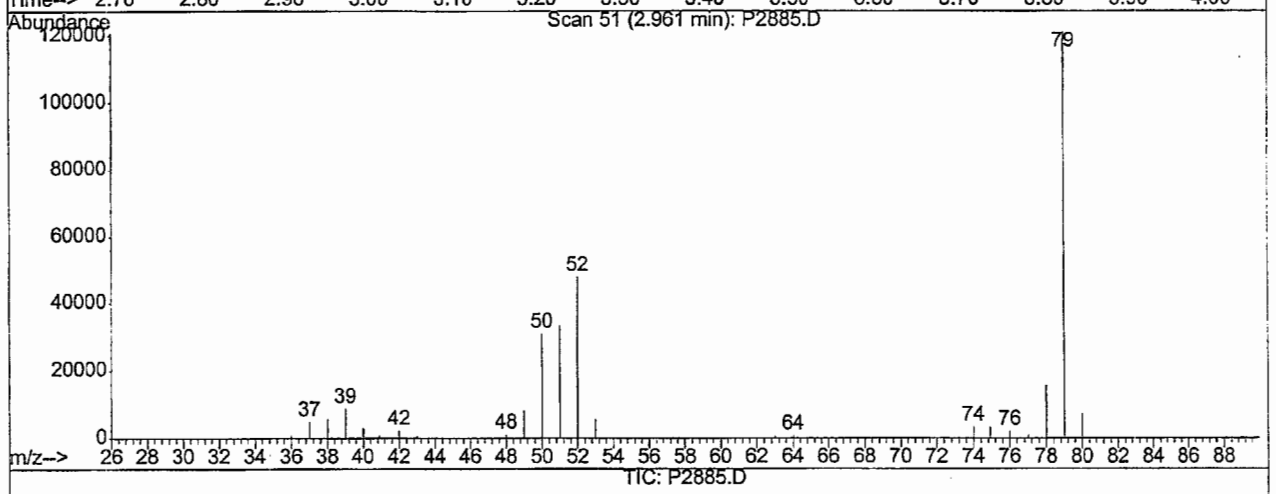
P2885.D 071205S2.M Tue Jul 12 11:42:12 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2885.D Vial: 7
Acq On : 12 Jul 2005 11:23 am Operator: JK SOP50
Sample : ICALSVSTD040 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 11:42 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:41:48 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.96min 41.19ng/uL m

response 250595

Ion	Exp%	Act%
79.00	100	100
52.00	38.00	36.69
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

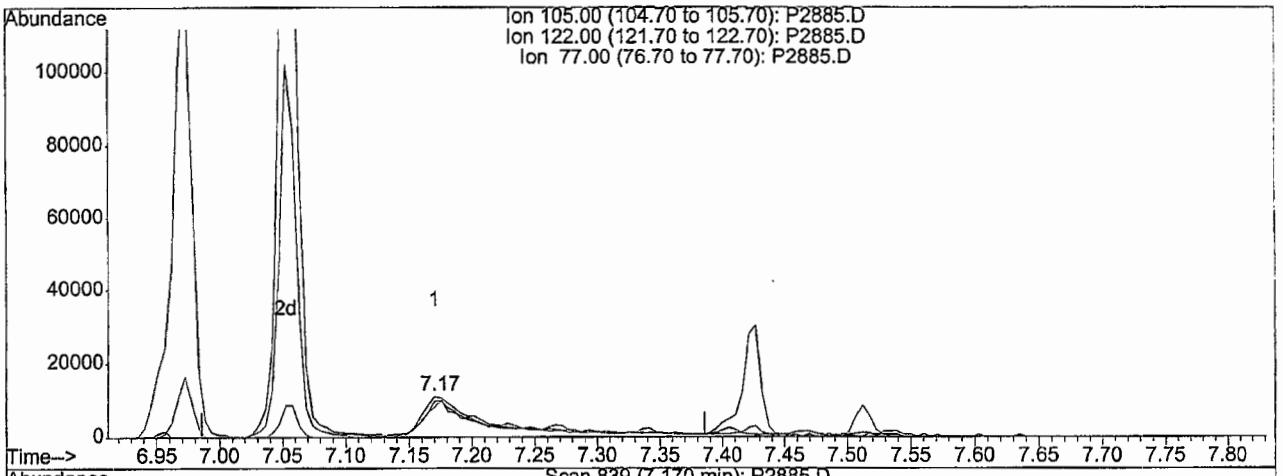
initials DK *date* 7-12-05

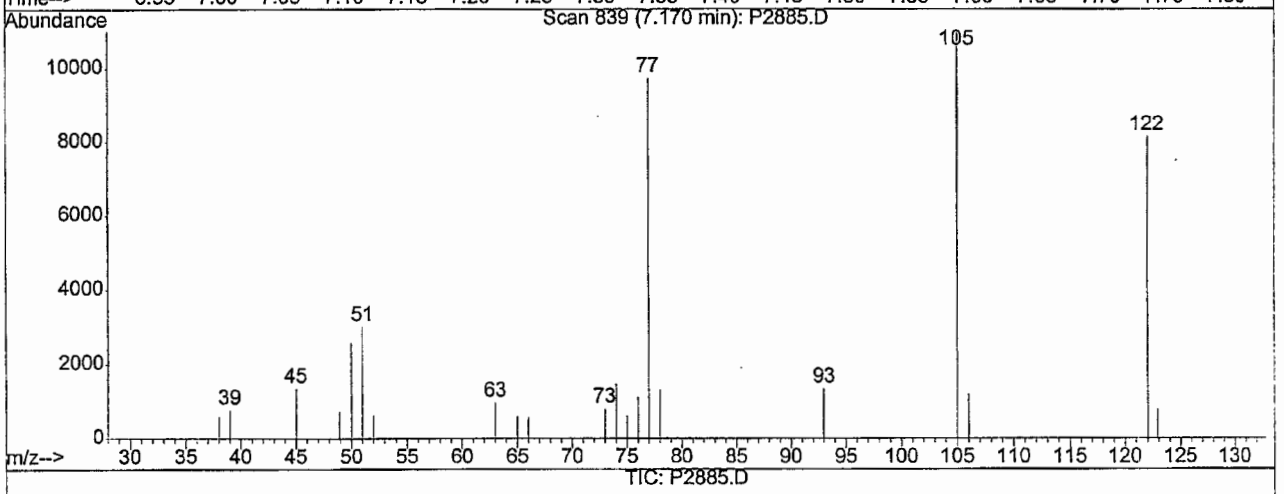
P2885.D 071205S2.M Tue Jul 12 11:42:16 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2885.D Vial: 7
Acq On : 12 Jul 2005 11:23 am Operator: JK SOP50
Sample : ICALSVSTD040 Inst : HPSV-2
Misc : ST050712-8 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 11:42 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:01:55 2005
Response via : Multiple Level Calibration





(33) Benzoic acid (T)

7.17min 30.35ng/uL

response 42022

Ion	Exp%	Act%
105.00	100	100
122.00	75.40	76.22
77.00	91.40	91.92
0.00	0.00	0.00

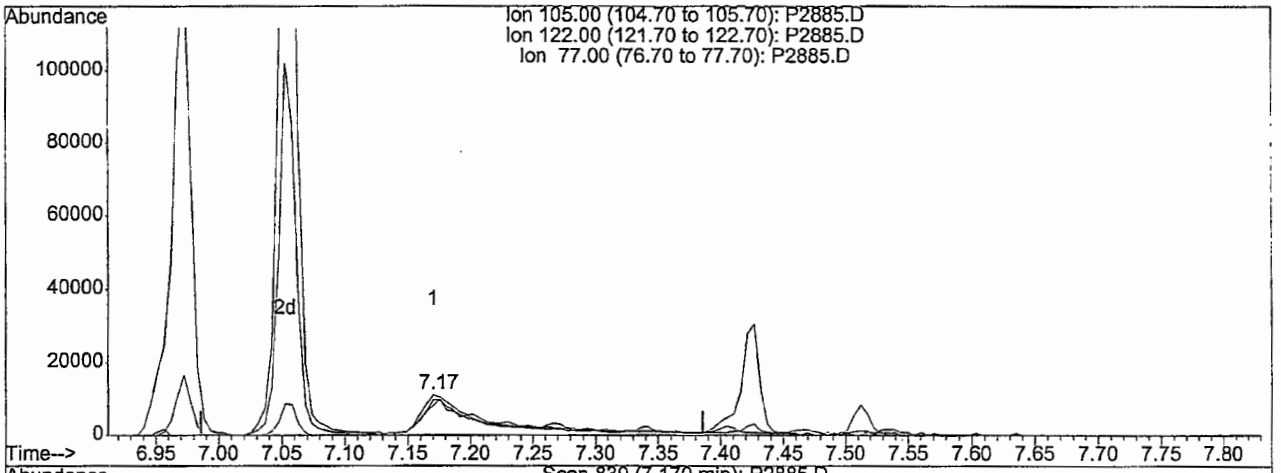
Before

P2885.D 071205S2.M Tue Jul 12 13:03:24 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2885.D Vial: 7
Acq On : 12 Jul 2005 11:23 am Operator: JK SOP50
Sample : ICALSVSTD040 Inst : HPSV-2
Misc : ST050712-8 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 13:03 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:01:55 2005
Response via : Multiple Level Calibration



(33) Benzoic acid (T)

7.17min 32.24ng/uL m

response 44635

Ion	Exp%	Act%
105.00	100	100
122.00	75.40	71.76
77.00	91.40	86.54
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JL *date* 12-7-05

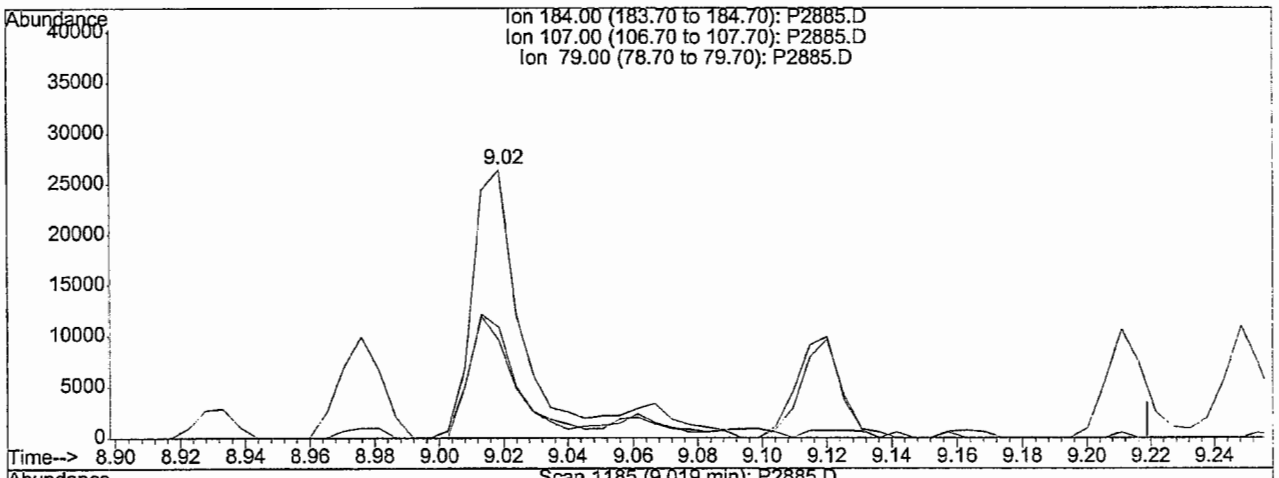
P2885.D 071205S2.M Tue Jul 12 13:03:36 2005

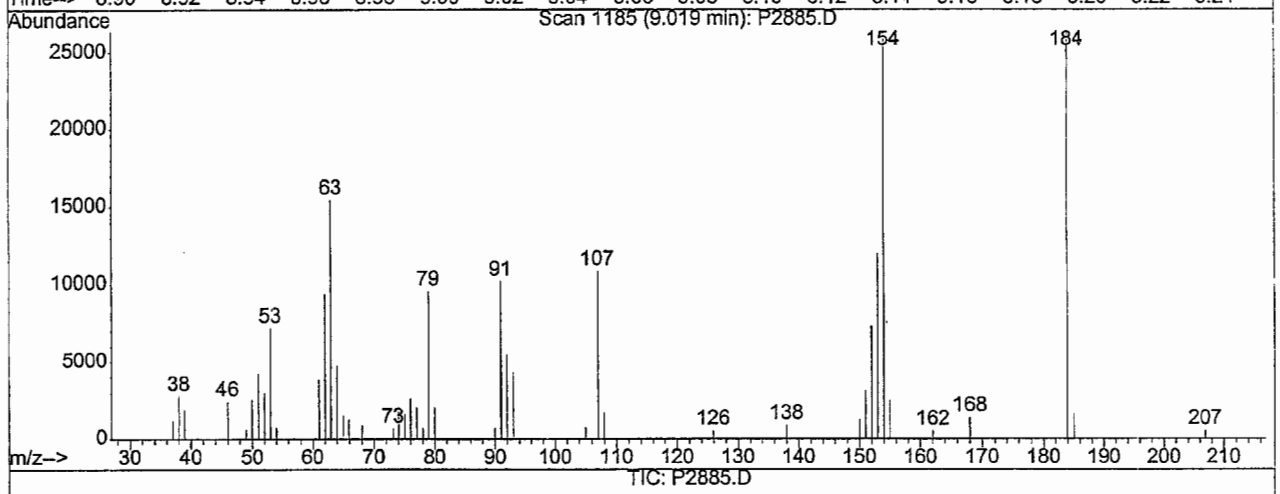
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2885.D
Acq On : 12 Jul 2005 11:23 am
Sample : ICALSVSTD040
Misc : ST050712-
MS Integration Params: rteint.p
Quant Time: Jul 12 11:42 2005

Vial: 7
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:41:48 2005
Response via : Multiple Level Calibration





TIC: P2885.D

(56) 2,4-Dinitrophenol (TP)

9.02min 41.23ng/uL

response 32561

Ion	Exp%	Act%
184.00	100	100
107.00	55.60	39.63
79.00	44.00	36.76
0.00	0.00	0.00

Before

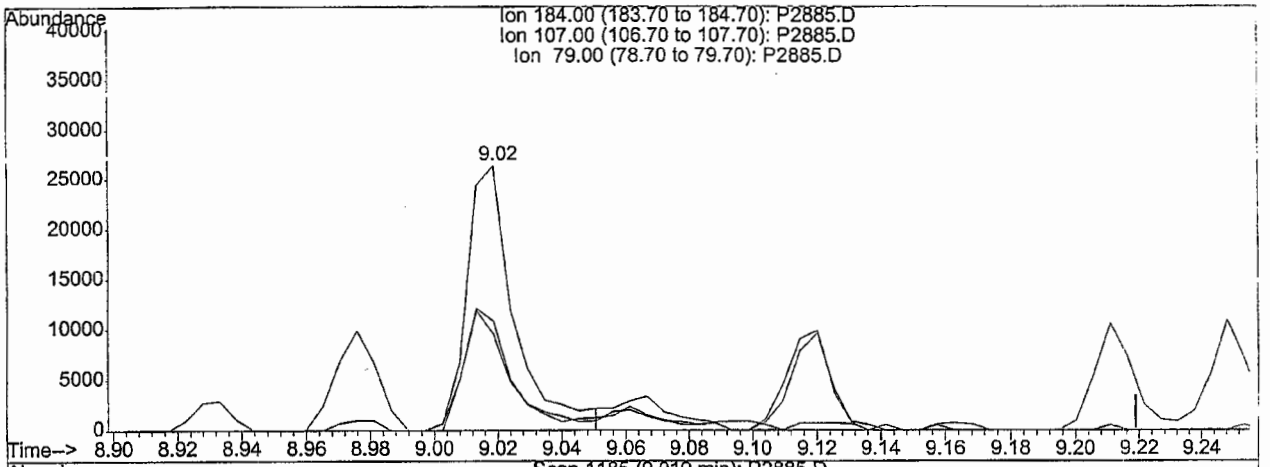
P2885.D 071205S2.M Tue Jul 12 11:42:53 2005

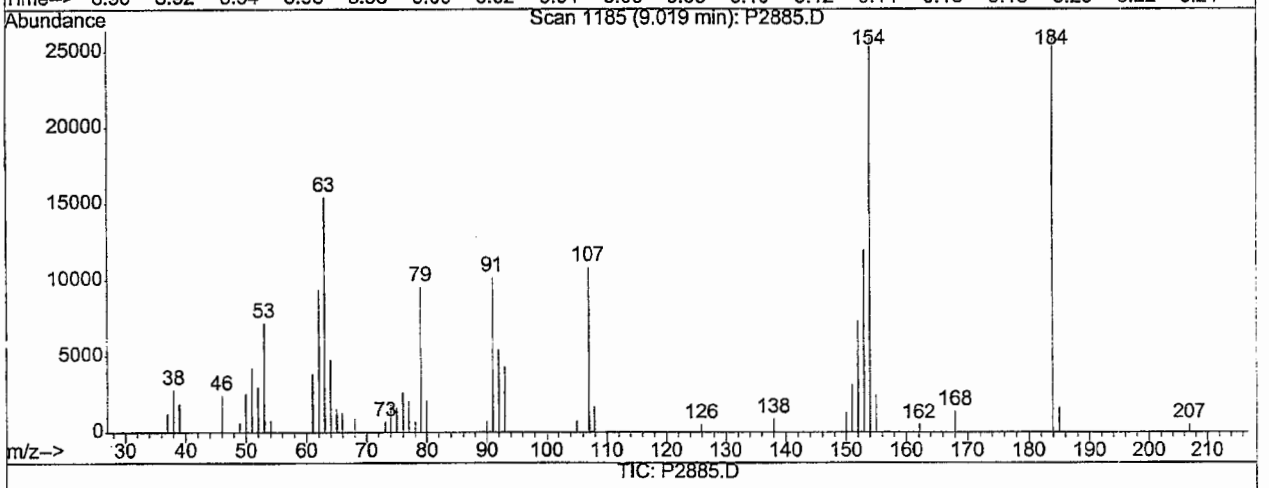
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2885.D
Acq On : 12 Jul 2005 11:23 am
Sample : ICALSVSTD040
Misc : ST050712-
MS Integration Params: rteint.p
Quant Time: Jul 12 11:42 2005

Vial: 7
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 11:41:48 2005
Response via : Multiple Level Calibration





(56) 2,4-Dinitrophenol (TP)

9.02min 34.89ng/uL m

response 27554

Ion	Exp%	Act%
184.00	100	100
107.00	55.60	46.83
79.00	44.00	43.45
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

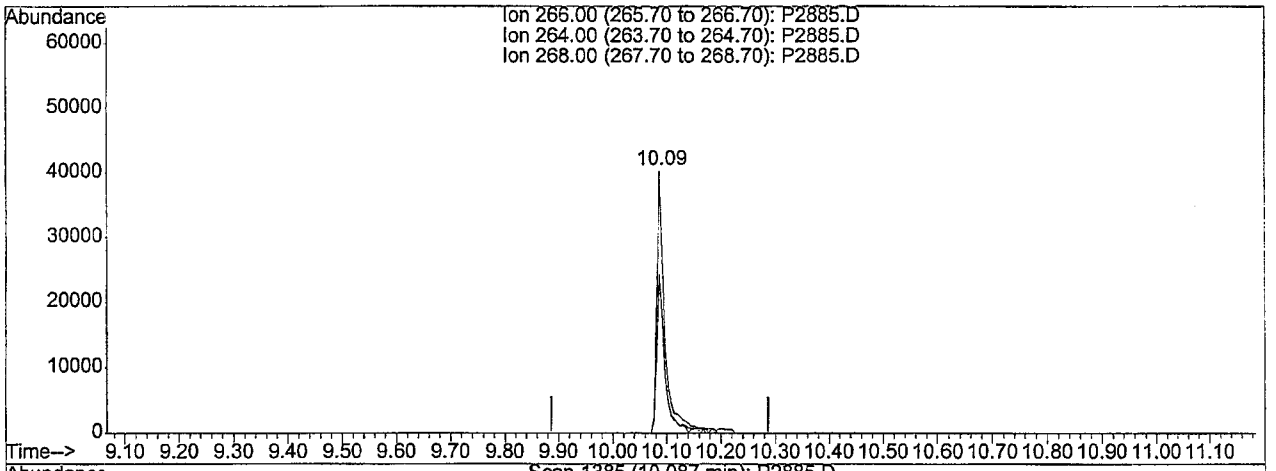
initials JK *date* 7-12-05

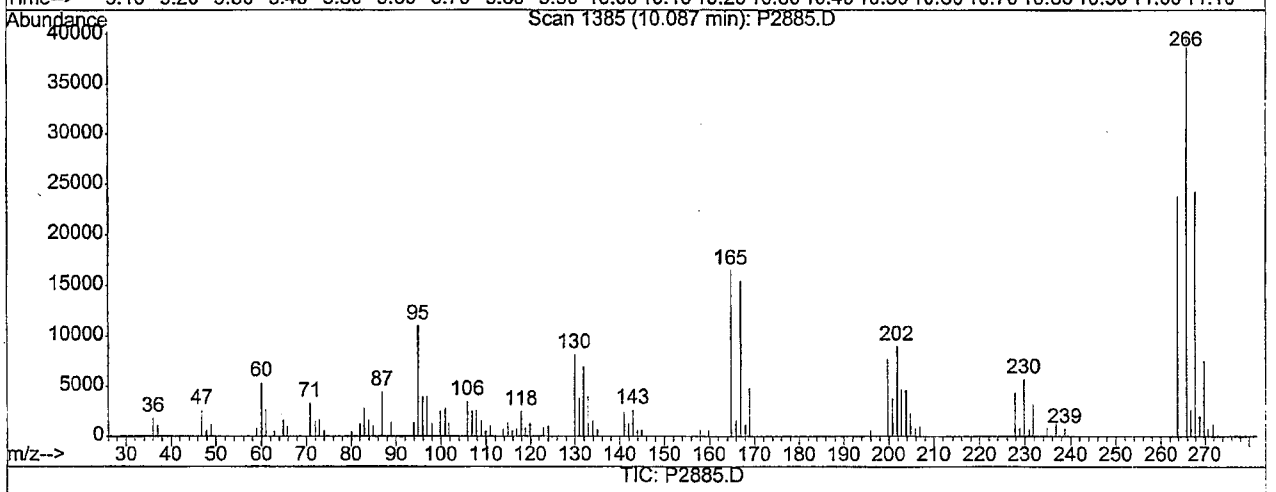
P2885.D 071205S2.M Tue Jul 12 11:42:58 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2885.D Vial: 7
Acq On : 12 Jul 2005 11:23 am Operator: JK SOP50
Sample : ICALSVSTD040 Inst : HPSV-2
Misc : ST050712-8 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 13:03 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:04:01 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.09min 39.95ng/uL

response 42418

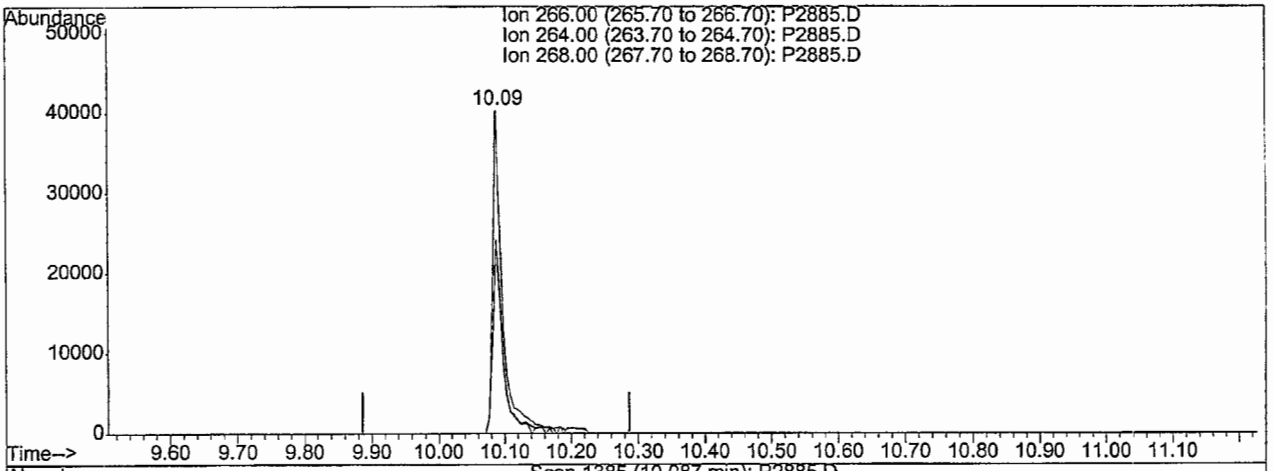
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	62.53
268.00	61.00	58.42
0.00	0.00	0.00

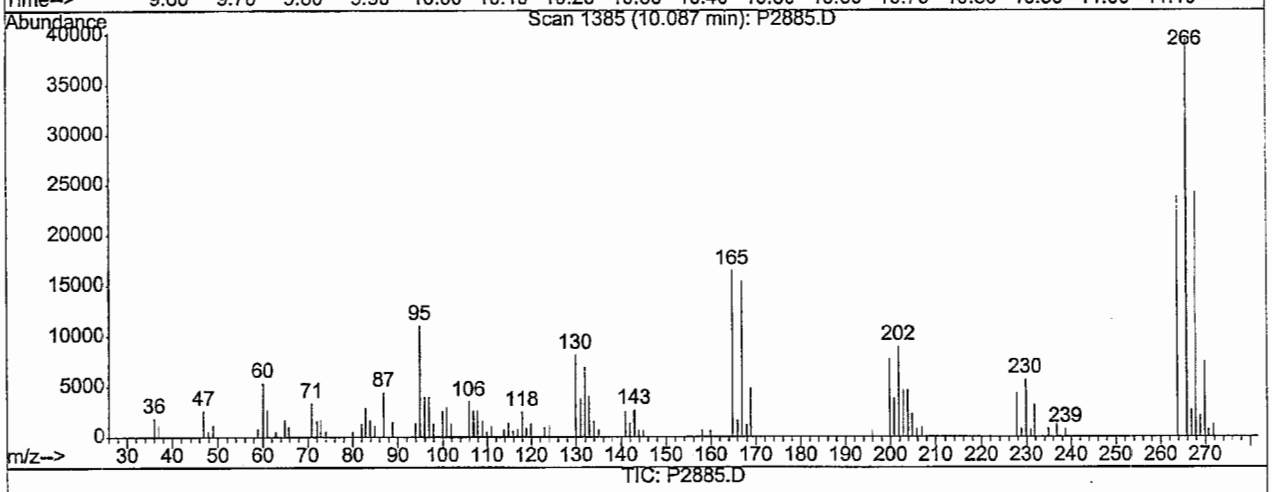
Before

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2885.D Vial: 7
Acq On : 12 Jul 2005 11:23 am Operator: JK SOP50
Sample : ICALSVSTD040 Inst : HPSV-2
Misc : ST050712-8 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 13:10 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:04:01 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.09min 41.02ng/uL m

response 43553

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	60.90
268.00	61.00	56.90
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

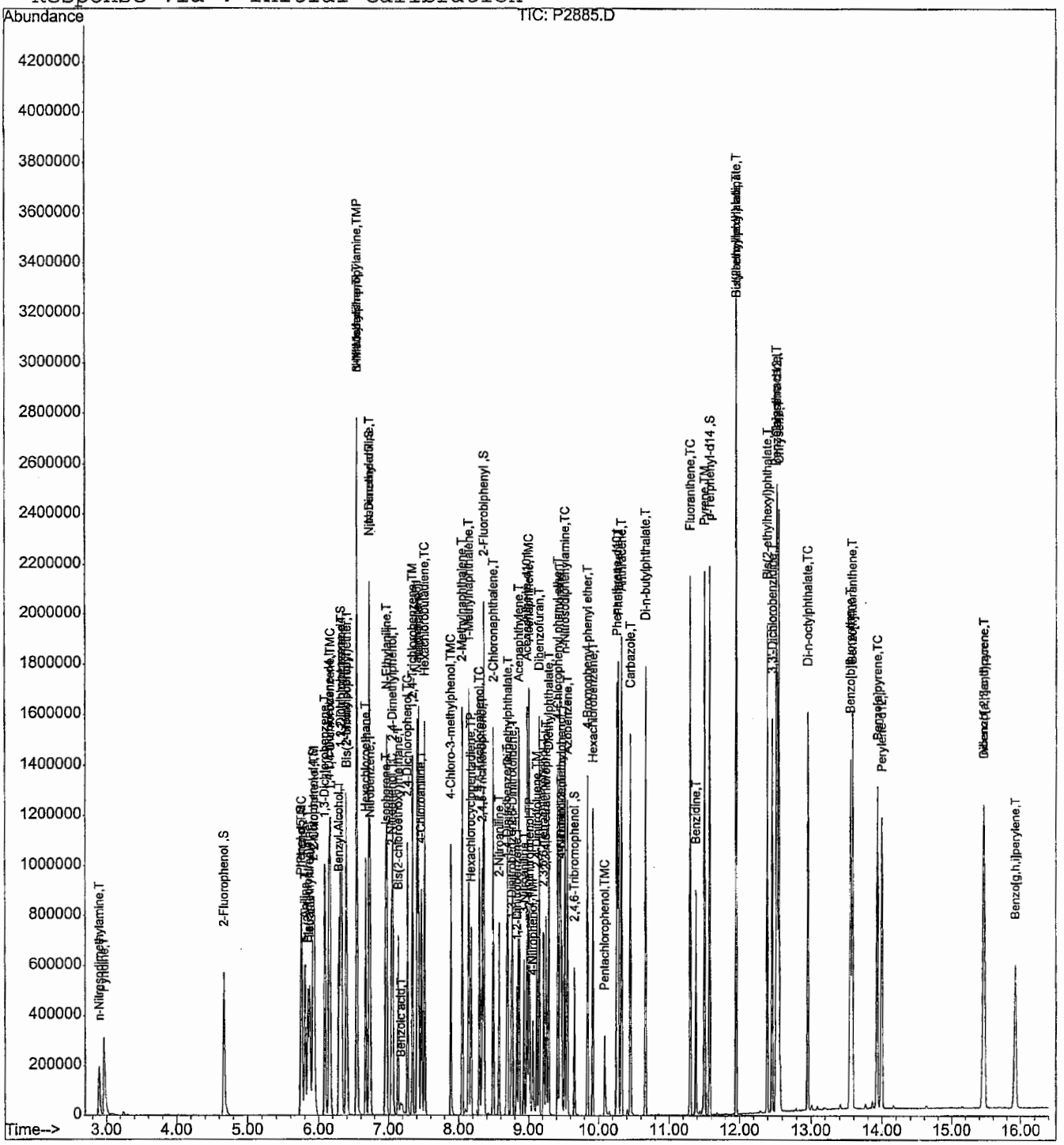
initials NC *date* 7-12-05

P2885.D 071205S2.M Tue Jul 12 13:10:38 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\071205\P2885.D Vial: 7
Acq On : 12 Jul 2005 11:23 am Operator: JK SOP506
Sample : ICALSVSTD040 Inst : HPSV-2
Misc : ST050712-8 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 13:10 2005 Quant Results File: 071205S2.RES

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:08:21 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D Vial: 8
Acq On : 12 Jul 2005 11:46 am Operator: JK SOP506 Rev
Sample : ICALSVSTD080 Inst : HPSV-2
Misc : ST050712-10 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:09 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.15	152	198516	40.00	ng/uL	0.00
24) Naphthalene-d8	7.41	136	644381	40.00	ng/uL	0.00
41) Acenaphthene-d10	8.98	164	349476	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.26	188	680961	40.00	ng/uL	0.00
79) Chrysene-d12	12.53	240	733034	40.00	ng/uL	0.00
90) Perylene-d12	14.00	264	548326	40.00	ng/uL	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.67	112	496552	83.59	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 111.45%#			
5) 2-Chlorophenol-d4	5.93	132	512027	84.28	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 112.37%#			
7) Phenol-d5	5.76	99	551859	86.65	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 115.53%#			
14) 1,2-Dichlorobenzene-d4	6.32	152	374216	83.76	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 167.52%#			
25) Nitrobenzene-d5	6.72	82	676198	90.32	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 180.64%#			
45) 2-Fluorobiphenyl	8.36	172	1139226	83.55	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 167.10%#			
67) 2,4,6-Tribromophenol	9.66	330	146010	100.52	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 134.03%#			
82) p-Terphenyl-d14	11.58	244	1305887	78.41	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 156.82%#			

Target Compounds						Qvalue
2) Pyridine	2.97	79	505140m	80.27	ng/uL	
3) n-Nitrosodimethylamine	2.91	74	283073m	83.47	ng/uL	
6) Aniline	5.81	93	614507	79.72	ng/uL	98
8) Phenol	5.77	94	572406m	82.02	ng/uL	
9) Tetramethylurea	5.89	72	836855	81.75	ng/uL	99
10) Bis(2-chloroethyl)ether	5.86	93	425274	80.23	ng/uL	99
11) 2-Chlorophenol	5.94	128	508967	82.96	ng/uL	99
12) 1,3-Dichlorobenzene	6.09	146	577082	79.77	ng/uL	100
13) 1,4-Dichlorobenzene	6.17	146	611819	81.22	ng/ul	99
15) 1,2-Dichlorobenzene	6.33	146	569190	82.42	ng/uL	99
16) Benzyl Alcohol	6.29	108	308660	85.51	ng/uL	99
17) Bis(2-chloroisopropyl)ethe	6.40	45	295322	89.92	ng/uL	96
18) 2-Methylphenol	6.40	107	395356	85.74	ng/uL	99
19) n-Nitroso-di-n-propylamine	6.55	70	451406	93.98	ng/uL	99
20) 3+4-Methylphenol	6.56	108	594437	91.25	ng/uL	99
21) N-Methylaniline	6.55	106	788780	89.32	ng/uL	99

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

JK 7-12-05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D Vial: 8
Acq On : 12 Jul 2005 11:46 am Operator: JK SOP506 Rev
Sample : ICALSVSTD080 Inst : HPSV-2
Misc : ST050712-10 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:09 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.67	117	234506	82.14 ng/uL	99
23) N,N-Dimethylaniline	6.73	120	806496	88.20 ng/uL	98
26) Nitrobenzene	6.74	77	870722	85.34 ng/uL	100
27) Isophorone	6.96	82	906199	84.55 ng/uL	99
28) N-Ethylaniline	6.98	106	1020655	85.27 ng/uL	100
29) 2-Nitrophenol	7.04	139	258098	87.34 ng/uL	99
30) 2,4-Dimethylphenol	7.06	107	535104	83.30 ng/uL	99
31) Bis(2-chloroethoxy)methane	7.14	93	511261	82.52 ng/uL	99
32) 2,4-Dichlorophenol	7.27	162	432536	83.32 ng/uL	100
33) Benzoic acid	7.20	105	138892	89.79 ng/uL	93
34) 1,2,4-Trichlorobenzene	7.34	180	526221	79.31 ng/uL	99
35) Naphthalene	7.43	128	1444727	81.99 ng/uL	100
36) 4-Chloroaniline	7.47	127	542560	83.52 ng/uL	99
37) Hexachlorobutadiene	7.51	225	338584	78.42 ng/uL	99
38) 4-Chloro-3-methylphenol	7.89	107	425914	85.53 ng/uL	99
39) 2-Methylnaphthalene	8.05	142	949142	81.27 ng/uL	99
40) 1-Methylnaphthalene	8.14	142	930981	82.29 ng/uL	99
42) Hexachlorocyclopentadiene	8.18	237	281355	114.77 ng/uL	100
43) 2,4,6-Trichlorophenol	8.29	196	302818	87.43 ng/uL	98
44) 2,4,5-Trichlorophenol	8.34	196	327634	88.69 ng/uL	99
46) 2-Chloronaphthalene	8.49	162	885595	82.69 ng/uL	99
47) 2-Nitroaniline	8.58	65	245227	85.65 ng/uL	100
48) 1,4-Dinitrobenzene	8.69	168	146098	90.38 ng/uL	99
49) Dimethylphthalate	8.70	163	917958	82.38 ng/uL	99
50) 1,3-Dinitrobenzene	8.76	168	159996	87.66 ng/uL	98
51) 2,6-Dinitrotoluene	8.77	165	231719	83.47 ng/uL	99
52) 1,2-Dinitrobenzene	8.84	168	103071	86.09 ng/uL	96
53) Acenaphthylene	8.86	152	1357831	83.92 ng/uL	99
54) 3-Nitroaniline	8.94	138	204034	89.58 ng/uL	99
55) Acenaphthene	9.01	154	898448	85.59 ng/uL	100
56) 2,4-Dinitrophenol	9.02	184	95148m	102.03 ng/uL	
57) 4-Nitrophenol	9.07	109	153272	94.61 ng/uL	99
58) Dibenzofuran	9.15	168	1185380	81.34 ng/uL	99
59) 2,4-Dinitrotoluene	9.13	165	302413	88.58 ng/uL	98
60) 2,3,5,6-Tetrachlorophenol	9.22	232	229246	102.69 ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	9.25	232	261674	93.86 ng/uL	99
62) Diethylphthalate	9.29	149	941826	86.67 ng/uL	100
63) Fluorene	9.45	166	972820	83.22 ng/uL	99
64) 4-Chlorophenyl phenyl ethe	9.42	204	499073	80.87 ng/uL	98
65) 4-Nitroaniline	9.48	138	222859	95.06 ng/uL	99
66) Azobenzene	9.56	77	939561	83.98 ng/uL	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D Vial: 8
Acq On : 12 Jul 2005 11:46 am Operator: JK SOP506 Rev
Sample : ICALSVSTD080 Inst : HPSV-2
Misc : ST050712-10 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:09 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

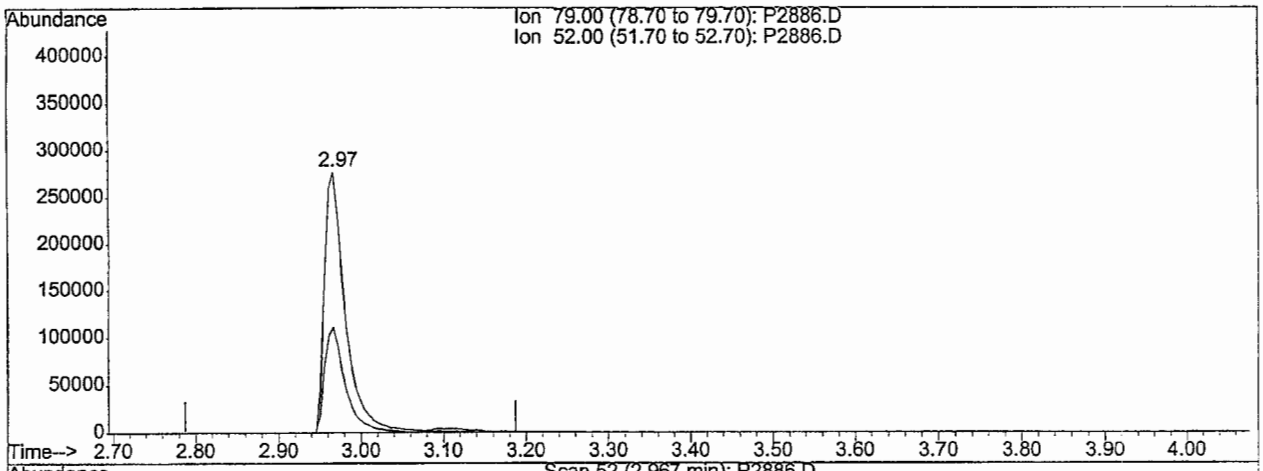
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.48	198	193646	91.93 ng/uL	98
70)	n-Nitrosodiphenylamine	9.53	169	824310	80.80 ng/uL	100
71)	4-Bromophenyl phenyl ether	9.85	248	315205	77.64 ng/uL	99
72)	Hexachlorobenzene	9.92	284	319960	76.55 ng/uL	99
73)	Pentachlorophenol	10.09	266	134688m	103.14 ng/uL	
74)	Phenanthrene	10.29	178	1514424	81.25 ng/uL	100
75)	Anthracene	10.33	178	1539816	82.58 ng/uL	100
76)	Carbazole	10.46	167	1341360	83.43 ng/uL	100
77)	Di-n-butylphthalate	10.66	149	1702361	80.74 ng/uL	100
78)	Fluoranthene	11.30	202	1713758	78.79 ng/uL	99
80)	Benzidine	11.39	184	856480	93.09 ng/uL	100
81)	Pyrene	11.51	202	1878028	78.04 ng/uL	100
83)	Butylbenzylphthalate	11.95	149	803161	81.71 ng/uL	99
84)	Bis(2-ethylhexyl) adipate	11.95	129	706292	85.69 ng/uL	99
85)	Benzo[a]anthracene	12.52	228	1899300	78.19 ng/uL	99
86)	3,3'-Dichlorobenzidine	12.46	252	692988	83.61 ng/uL	100
87)	Chrysene	12.56	228	1805994	79.66 ng/uL	100
88)	Bis(2-ethylhexyl)phthalate	12.40	149	1127593	82.23 ng/uL	99
89)	Di-n-octylphthalate	12.96	149	1895165	82.23 ng/uL	100
91)	Benzo[b]fluoranthene	13.55	252	1902540	85.50 ng/uL	100
92)	Benzo[k]fluoranthene	13.59	252	1605668	77.43 ng/uL	99
93)	Benzo[a]pyrene	13.94	252	1618338	81.11 ng/uL	100
94)	Indeno(1,2,3-c,d)pyrene	15.48	276	1000666	58.73 ng/uL	99
95)	Dibenzo[a,h]anthracene	15.47	278	883514	61.09 ng/uL	100
96)	Benzo[g,h,i]perylene	15.93	276	758230	55.00 ng/uL	99

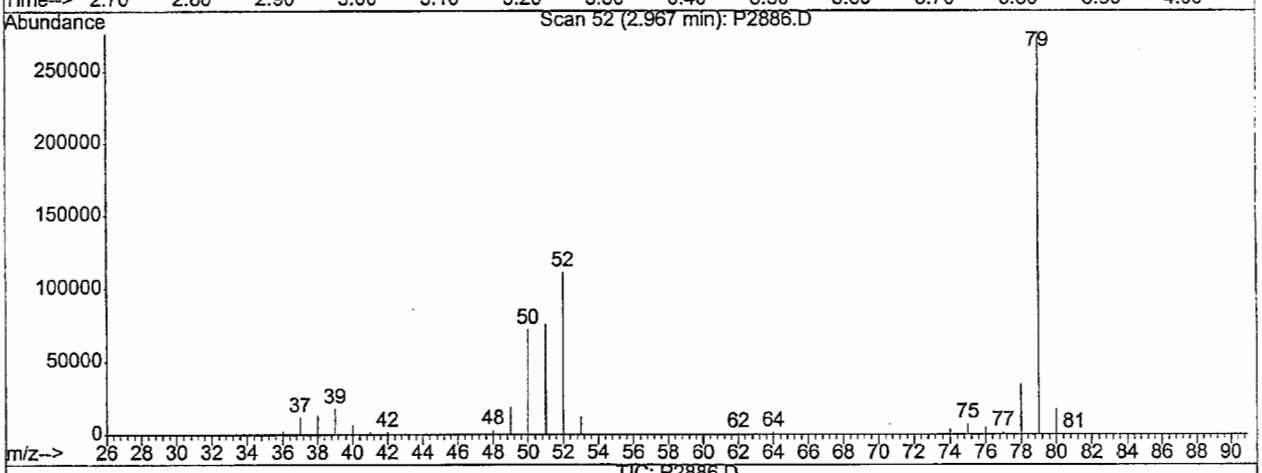
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D
Vial: 8
Acq On : 12 Jul 2005 11:46 am
Operator: JK SOP50
Sample : ICALSVSTD080
Inst : HPSV-2
Misc : ST050712-
Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:08 2005
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.97min 76.75ng/uL

response 483025

Ion	Exp%	Act%
79.00	100	100
52.00	38.00	41.56
0.00	0.00	0.00
0.00	0.00	0.00

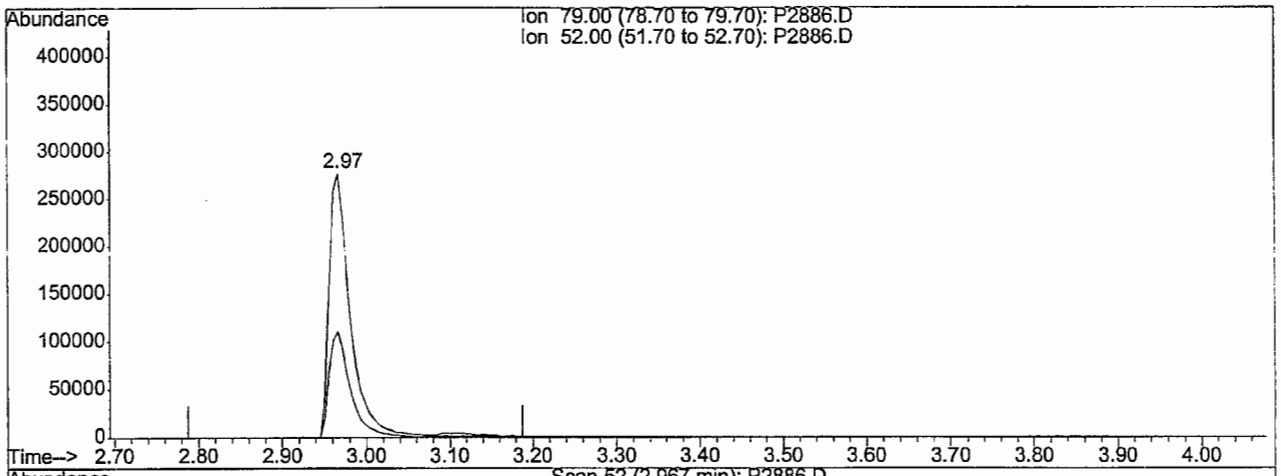
Before

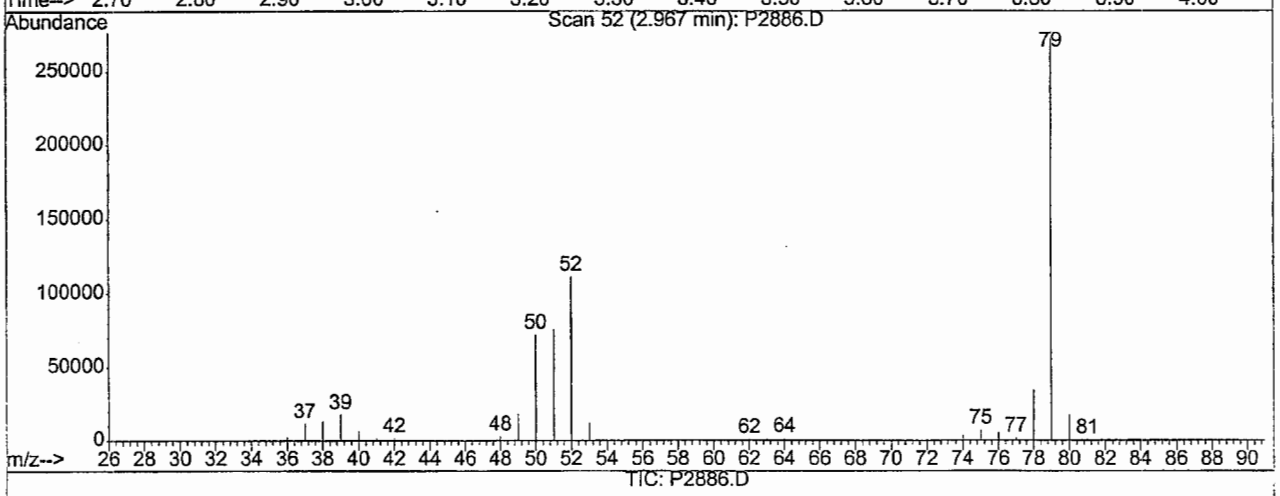
P2886.D 071205S2.M Tue Jul 12 12:08:28 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D Vial: 8
Acq On : 12 Jul 2005 11:46 am Operator: JK SOP50
Sample : ICALSVSTD080 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:08 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.97min 80.27ng/uL m

response 505140

Ion	Exp%	Act%
79.00	100	100
52.00	38.00	39.74
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

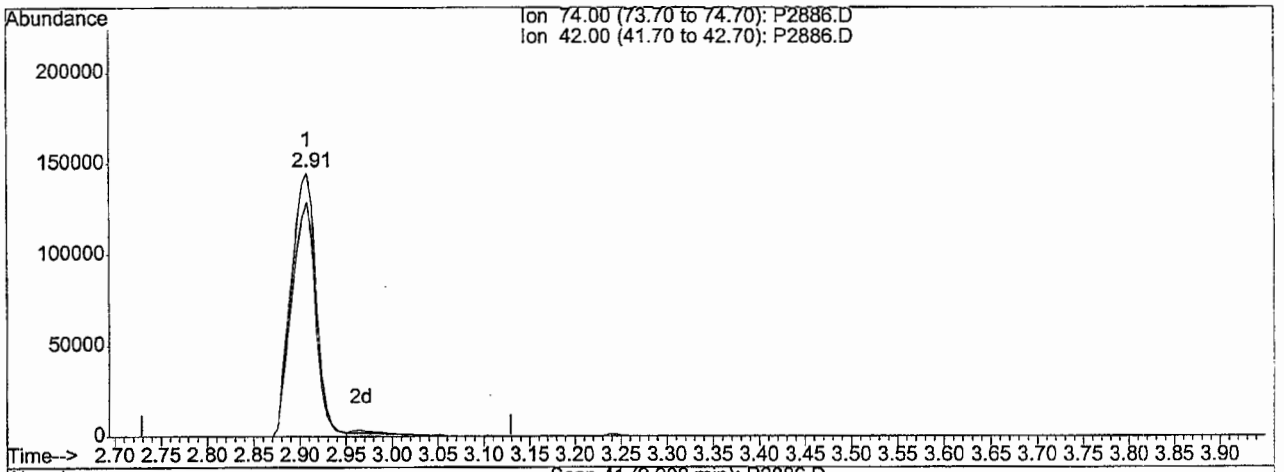
initials JK *date* 7-12-05

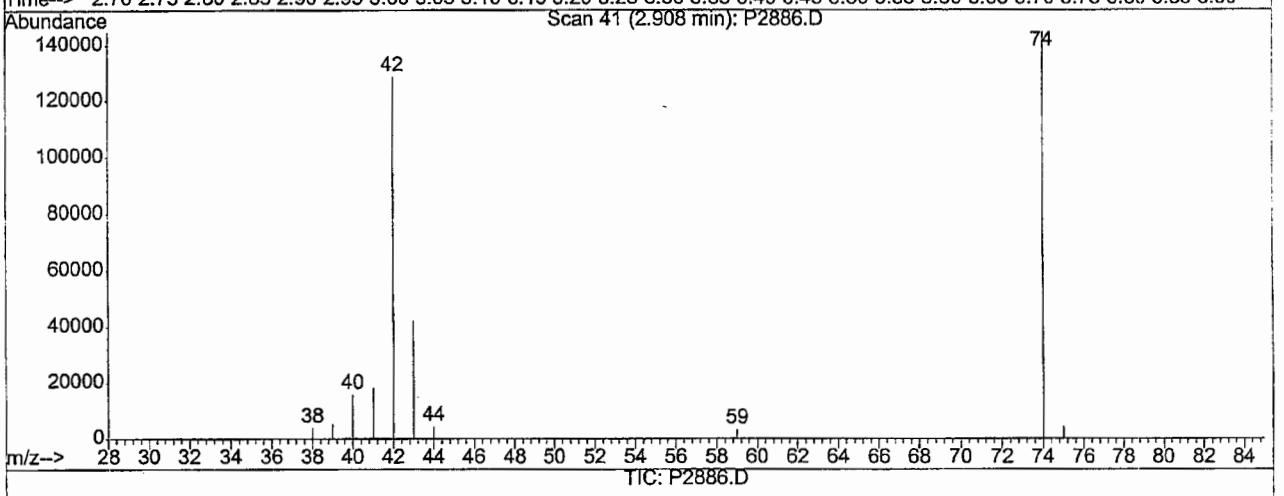
P2886.D 071205S2.M Tue Jul 12 12:08:32 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D Vial: 8
Acq On : 12 Jul 2005 11:46 am Operator: JK SOP50
Sample : ICALSVSTD080 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:08 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Multiple Level Calibration





TIC: P2886.D

(3) n-Nitrosodimethylamine (T)

2.91min 80.13ng/uL

response 271745

Ion	Exp%	Act%
74.00	100	100
42.00	87.20	88.89
0.00	0.00	0.00
0.00	0.00	0.00

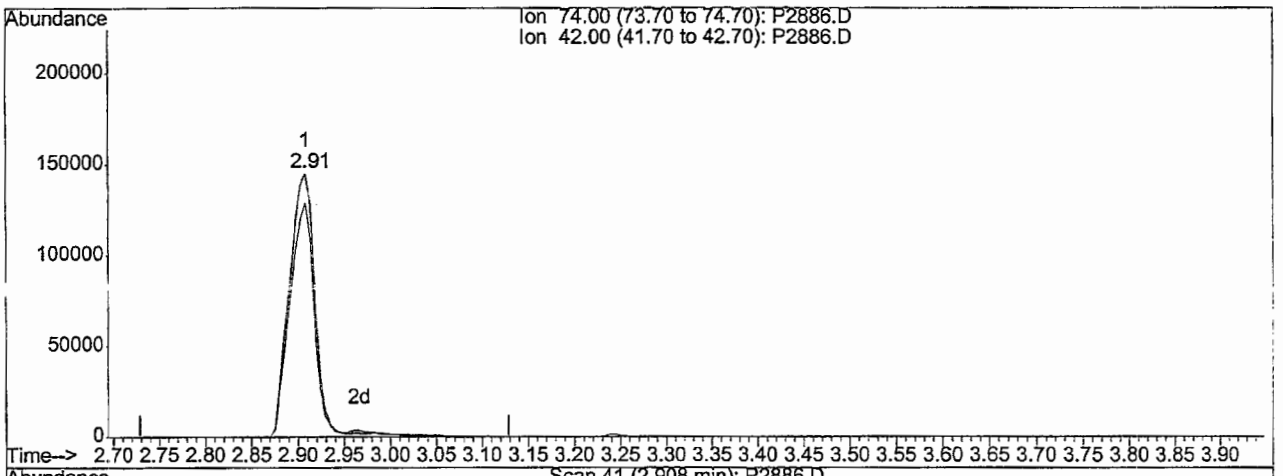
Before

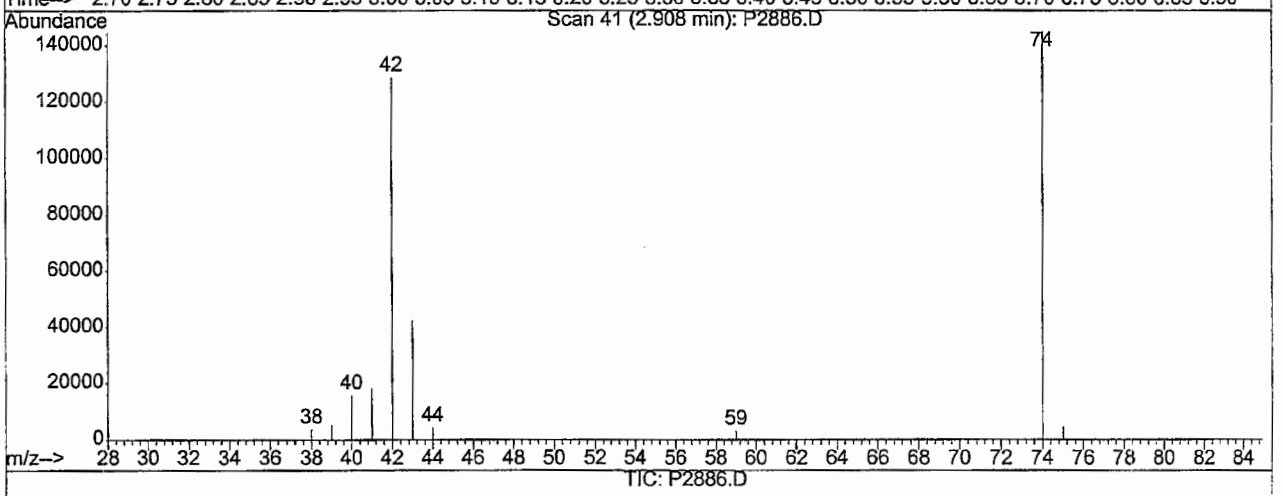
P2886.D 071205S2.M Tue Jul 12 12:08:37 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D Vial: 8
Acq On : 12 Jul 2005 11:46 am Operator: JK SOP50
Sample : ICALSVSTD080 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:08 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Multiple Level Calibration





(3) n-Nitrosodimethylamine (T)

2.91min 83.47ng/uL m

response 283073

Ion	Exp%	Act%
74.00	100	100
42.00	87.20	85.33
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JW *date* 7-12-05

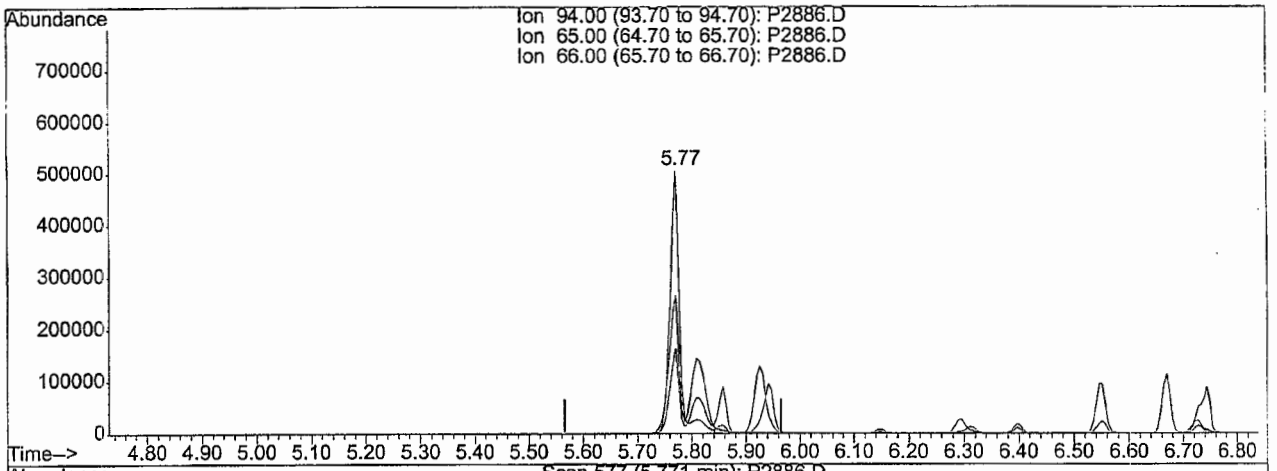
P2886.D 071205S2.M Tue Jul 12 12:08:41 2005

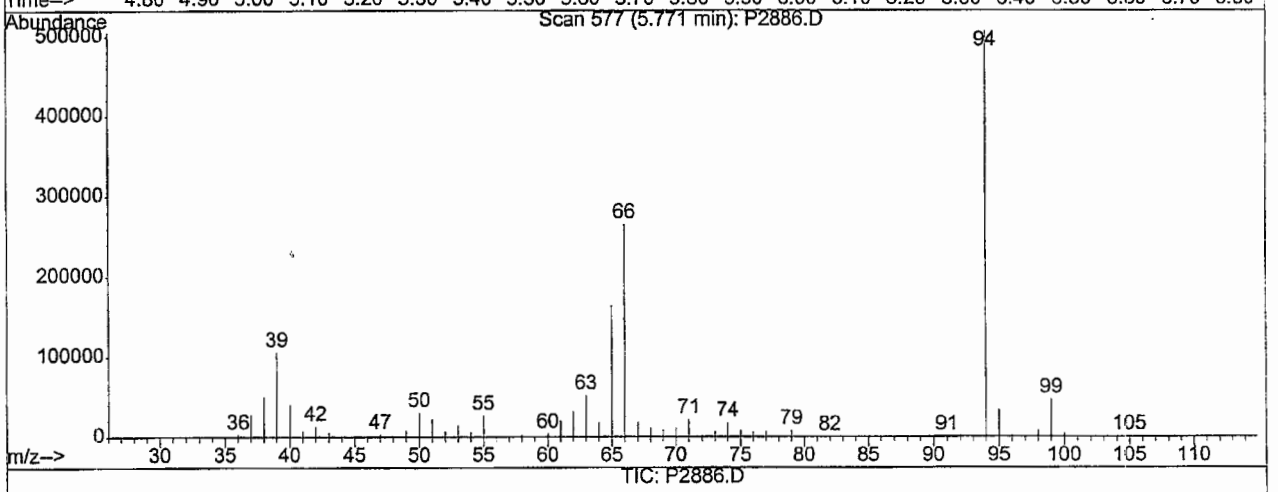
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D
Acq On : 12 Jul 2005 11:46 am
Sample : ICALSVSTD080
Misc : ST050712-
MS Integration Params: rteint.p
Quant Time: Jul 12 12:08 2005

Vial: 8
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Multiple Level Calibration





TIC: P2886.D

(8) Phenol (TMC)

5.77min 89.30ng/uL

response 623210

Ion	Exp%	Act%
94.00	100	100
65.00	33.70	30.84
66.00	59.00	55.22
0.00	0.00	0.00

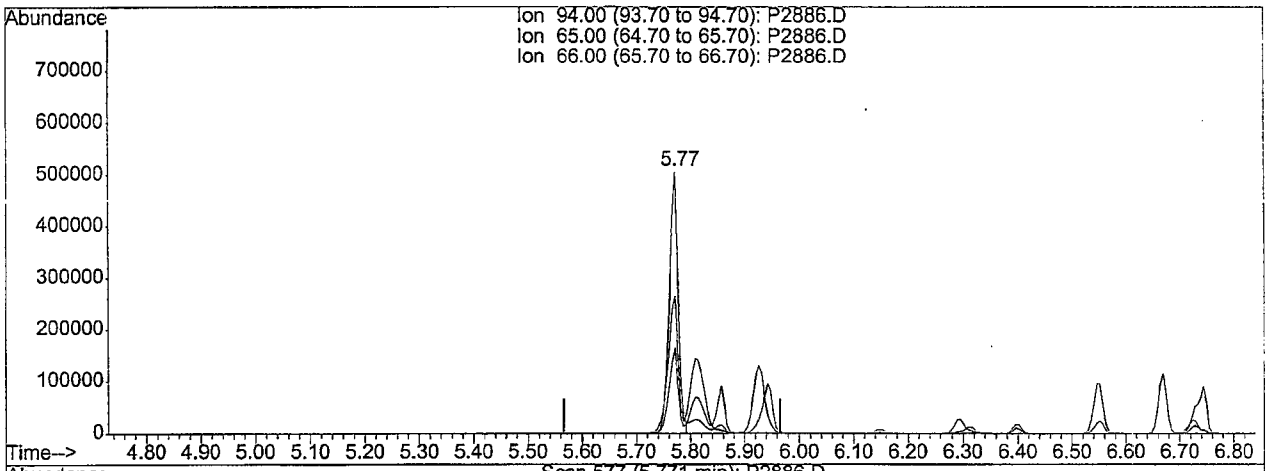
Before

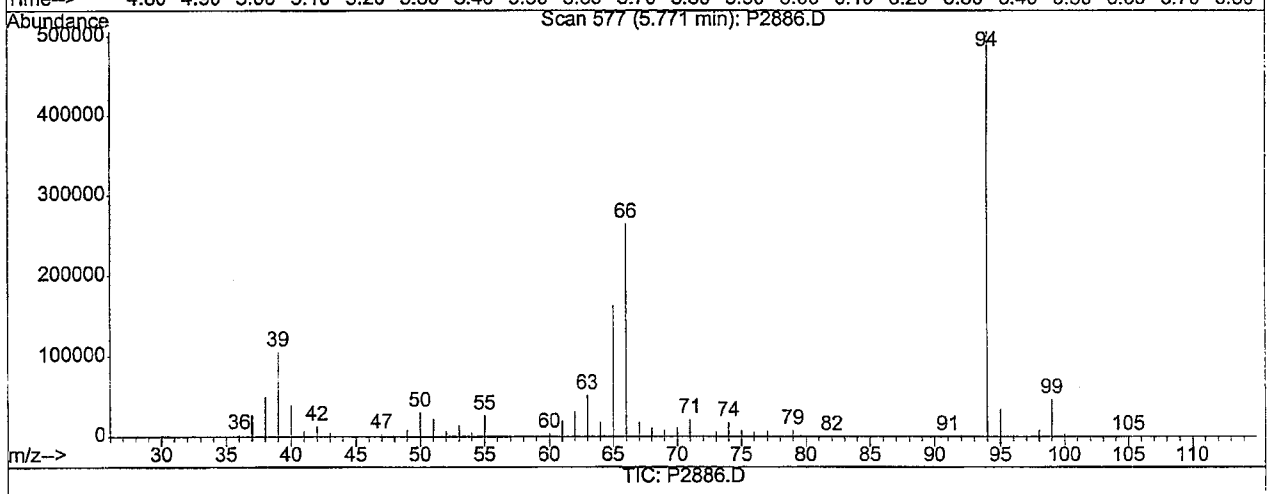
P2886.D 071205S2.M Tue Jul 12 12:08:50 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D Vial: 8
Acq On : 12 Jul 2005 11:46 am Operator: JK SOP50
Sample : ICALSVSTD080 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:08 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Multiple Level Calibration





(8) Phenol (TMC)

5.77min 82.02ng/uL m

response 572406

Ion	Exp%	Act%
94.00	100	100
65.00	33.70	33.57
66.00	59.00	60.12
0.00	0.00	0.00

MANUAL RE-INTEGRATION

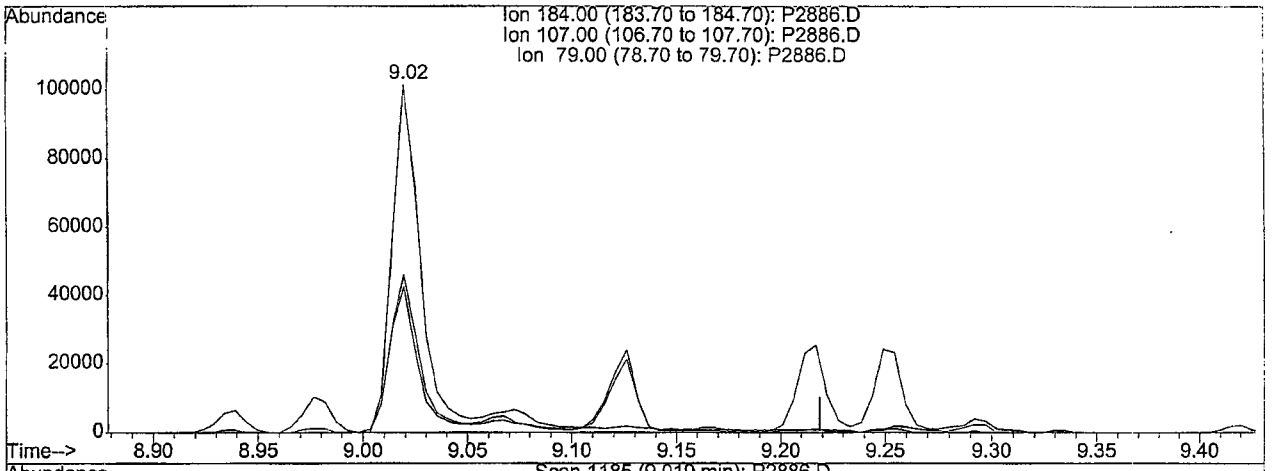
- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JC *date* 7-12-05

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D Vial: 8
Acq On : 12 Jul 2005 11:46 am Operator: JK SOP50
Sample : ICALSVSTD080 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:08 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Multiple Level Calibration



(56) 2,4-Dinitrophenol (TP)

9.02min 118.56ng/uL

response 110567

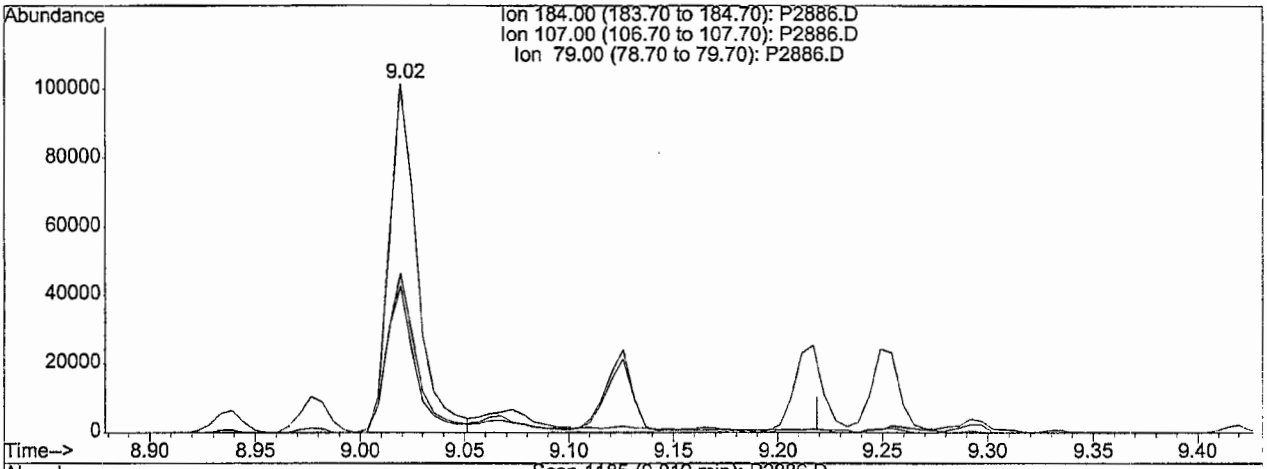
Ion	Exp%	Act%
184.00	100	100
107.00	55.60	46.29
79.00	44.00	37.09
0.00	0.00	0.00

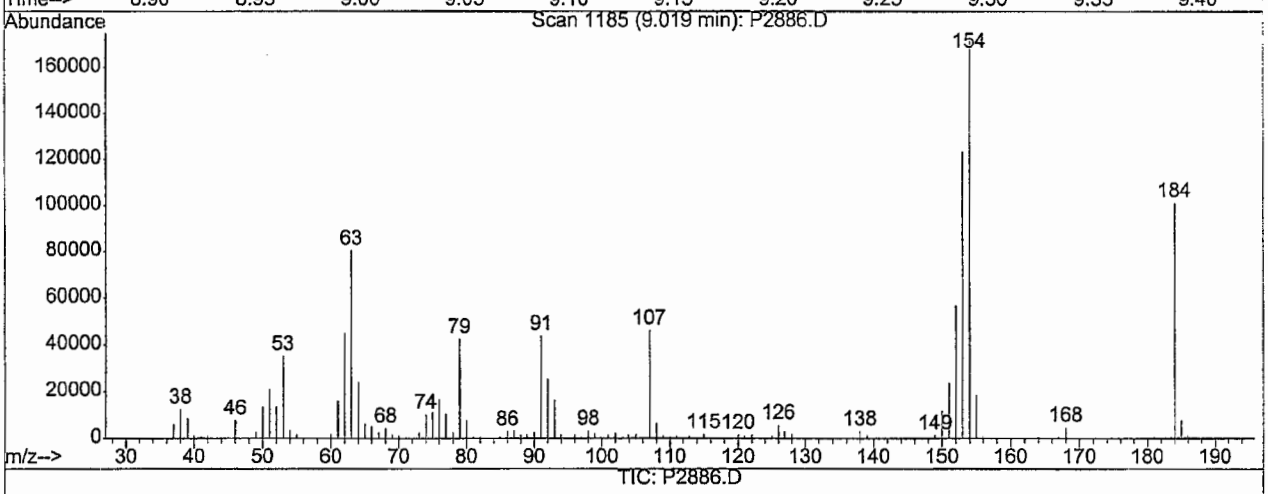
Before

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D Vial: 8
Acq On : 12 Jul 2005 11:46 am Operator: JK SOP50
Sample : ICALSVSTD080 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:09 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Multiple Level Calibration





(56) 2,4-Dinitrophenol (TP)

9.02min 102.03ng/uL m

response 95148

Ion	Exp%	Act%
184.00	100	100
107.00	55.60	53.79
79.00	44.00	43.10
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

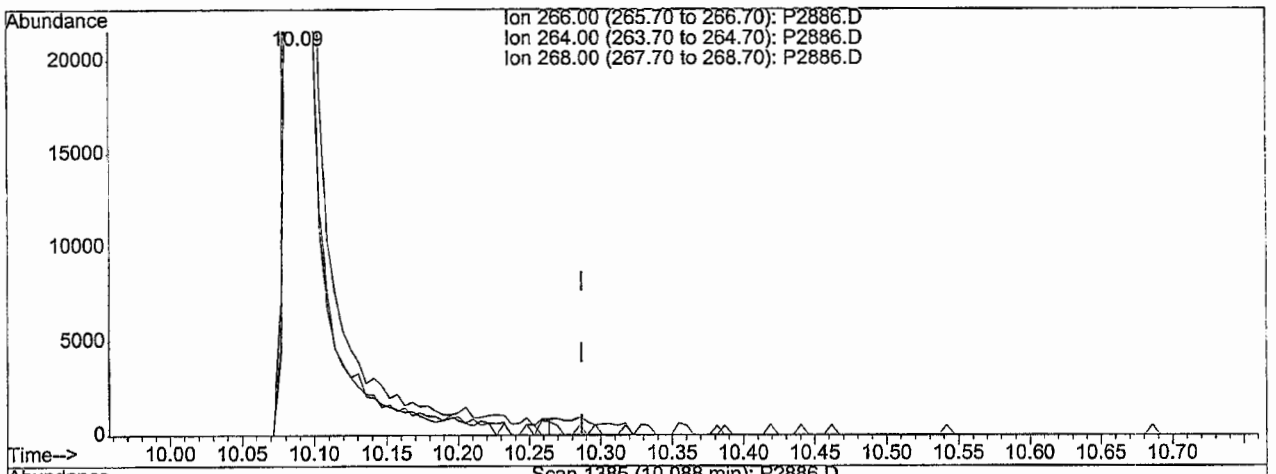
initials JH *date* 7-12-05

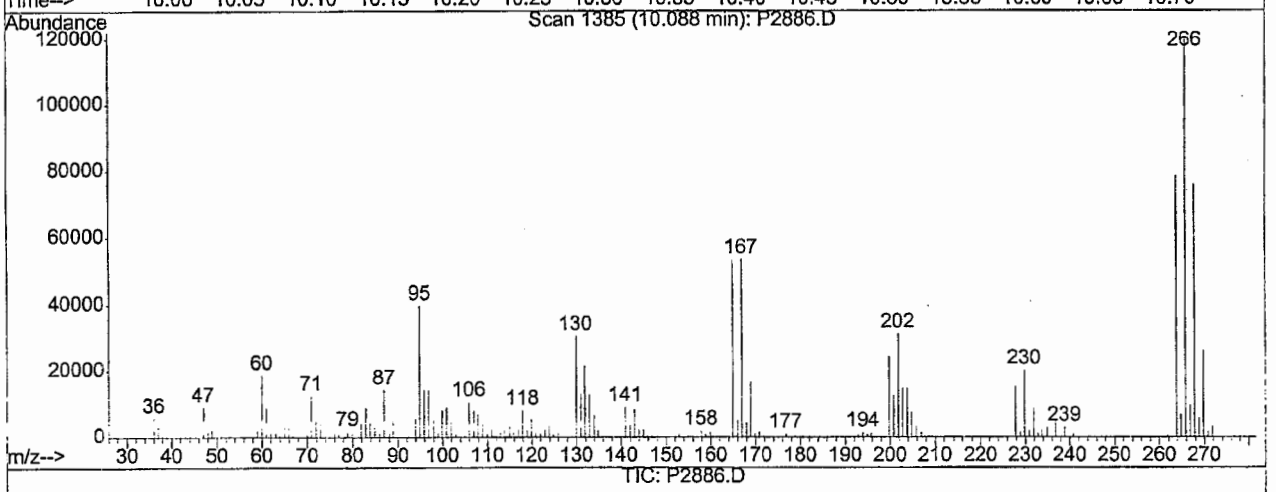
P2886.D 071205S2.M Tue Jul 12 12:09:35 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D Vial: 8
Acq On : 12 Jul 2005 11:46 am Operator: JK SOP50
Sample : ICALSVSTD080 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:09 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.09min 100.50ng/uL

response 131241

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	62.91
268.00	61.00	63.45
0.00	0.00	0.00

before

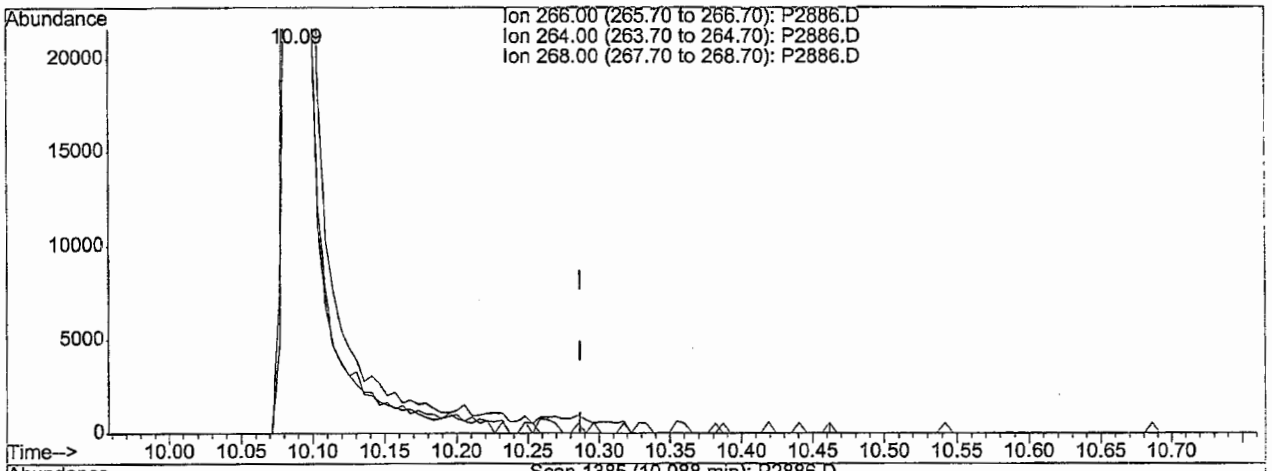
P2886.D 071205S2.M Tue Jul 12 12:09:53 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2886.D
Acq On : 12 Jul 2005 11:46 am
Sample : ICALSVSTD080
Misc : ST050712-
MS Integration Params: rteint.p
Quant Time: Jul 12 12:09 2005

Vial: 8
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:08:02 2005
Response via : Multiple Level Calibration



(73) Pentachlorophenol (TMC)

10.09min 103.14ng/uL m

response 134688

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	61.30
268.00	61.00	61.83
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JCI *date* 7-12-05

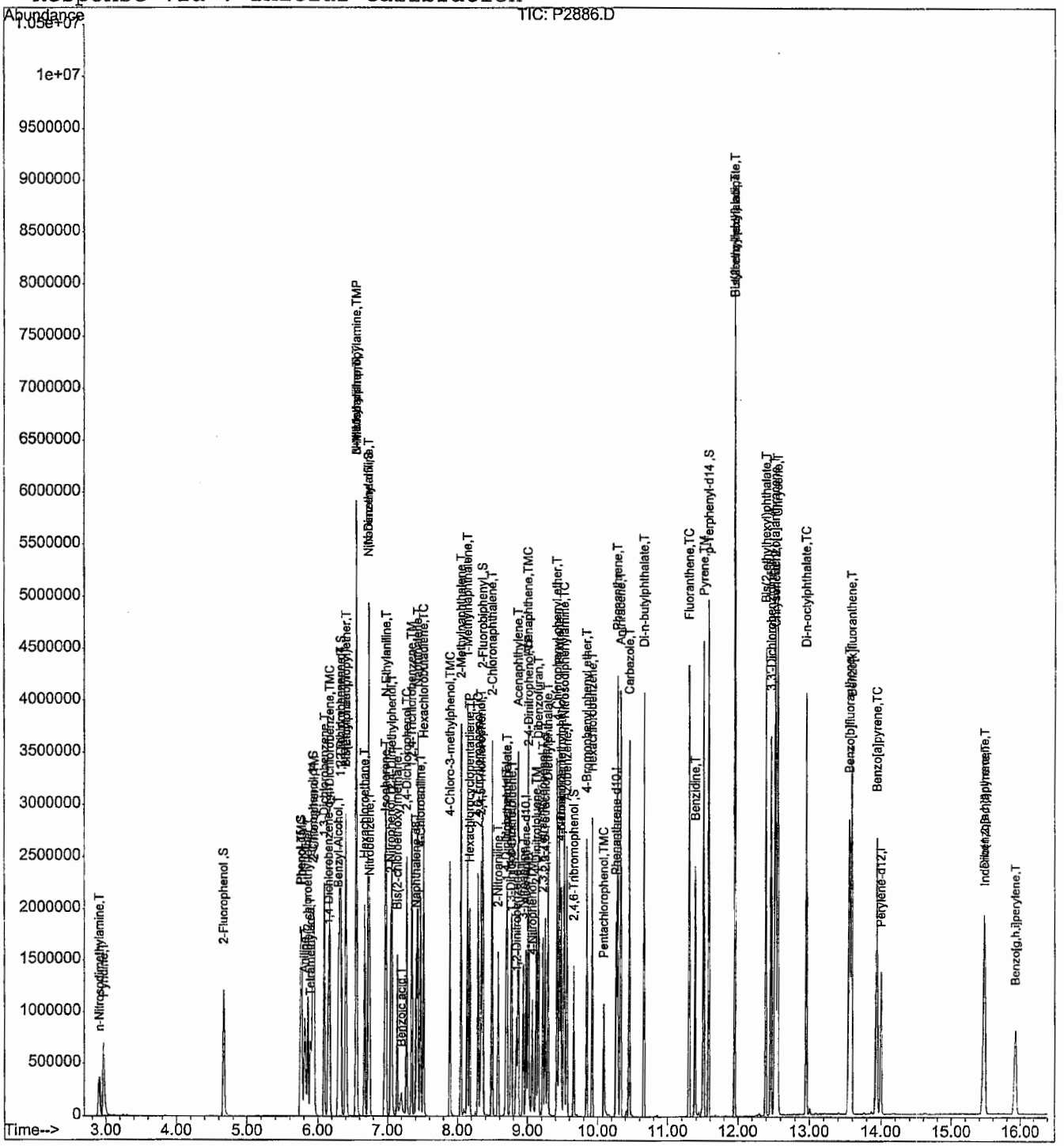
P2886.D 071205S2.M Tue Jul 12 12:09:58 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\071205\P2886.D
Acq On : 12 Jul 2005 11:46 am
Sample : ICALSVSTD080
Misc : ST050712-10
MS Integration Params: rteint.p
Quant Time: Jul 12 12:09 2005

Vial: 8
Operator: JK SOP506
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 071205S2.RES

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:10:24 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2887.D Vial: 9
Acq On : 12 Jul 2005 12:09 pm Operator: JK SOP506 Rev
Sample : ICALSVSTD100 Inst : HPSV-2
Misc : ST050712-11 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:33 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.15	152	199237	40.00	ng/uL	0.00
24) Naphthalene-d8	7.41	136	632341	40.00	ng/uL	0.00
41) Acenaphthene-d10	8.98	164	357020	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.26	188	695656	40.00	ng/uL	0.00
79) Chrysene-d12	12.53	240	756453	40.00	ng/uL	0.00
90) Perylene-d12	13.99	264	518483	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.67	112	619356	103.31	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 137.75%#			
5) 2-Chlorophenol-d4	5.93	132	655624	106.38	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 141.84%#			
7) Phenol-d5	5.76	99	707671	109.05	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 145.40%#			
14) 1,2-Dichlorobenzene-d4	6.32	152	473418	104.75	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 209.50%#			
25) Nitrobenzene-d5	6.72	82	848671	113.01	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 226.02%#			
45) 2-Fluorobiphenyl	8.36	172	1459524	104.07	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 208.14%#			
67) 2,4,6-Tribromophenol	9.66	330	187288	121.66	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 162.21%#			
82) p-Terphenyl-d14	11.57	244	1665172	97.32	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 194.64%#			
Target Compounds						Qvalue
2) Pyridine	2.97	79	629996m	99.58	ng/uL	
3) n-Nitrosodimethylamine	2.91	74	350076	101.96	ng/uL	99
6) Aniline	5.82	93	829448	106.12	ng/uL	93
8) Phenol	5.77	94	735911m	104.19	ng/uL	
9) Tetramethylurea	5.91	72	1072868	103.77	ng/uL	99
10) Bis(2-chloroethyl)ether	5.86	93	520385	98.12	ng/uL	94
11) 2-Chlorophenol	5.95	128	662417	106.43	ng/uL	99
12) 1,3-Dichlorobenzene	6.09	146	736424	101.22	ng/uL	99
13) 1,4-Dichlorobenzene	6.17	146	778919	102.58	ng/ul	100
15) 1,2-Dichlorobenzene	6.33	146	720719	103.39	ng/uL	100
16) Benzyl Alcohol	6.30	108	393121	107.21	ng/uL	99
17) Bis(2-chloroisopropyl)ethe	6.40	45	385609	114.22	ng/uL	94
18) 2-Methylphenol	6.40	107	498211	106.49	ng/uL	99
19) n-Nitroso-di-n-propylamine	6.55	70	568767	115.03	ng/uL	99
20) 3+4-Methylphenol	6.56	108	758352	113.40	ng/uL	98
21) N-Methylaniline	6.55	106	994104	110.24	ng/uL	100

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

gic 7-12-05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2887.D
Acq On : 12 Jul 2005 12:09 pm
Sample : ICALSVSTD100
Misc : ST050712-11
MS Integration Params: rteint.p
Quant Time: Jul 12 12:33 2005

Vial: 9
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22)	Hexachloroethane	6.67	117	297110	103.14 ng/uL	100
23)	N,N-Dimethylaniline	6.73	120	1014554	108.92 ng/uL	99
26)	Nitrobenzene	6.74	77	1112787	109.40 ng/uL	99
27)	Isophorone	6.97	82	1200938	111.91 ng/uL	99
28)	N-Ethylaniline	6.98	106	1339811	111.81 ng/uL	99
29)	2-Nitrophenol	7.04	139	324185	109.94 ng/uL	100
30)	2,4-Dimethylphenol	7.06	107	679175	106.56 ng/uL	99
31)	Bis(2-chloroethoxy)methane	7.14	93	654929	106.55 ng/uL	100
32)	2,4-Dichlorophenol	7.27	162	545402	106.00 ng/uL	99
33)	Benzoic acid	7.20	105	209962	126.23 ng/uL	93
34)	1,2,4-Trichlorobenzene	7.34	180	662844	101.54 ng/uL	99
35)	Naphthalene	7.43	128	1851442	106.00 ng/uL	100
36)	4-Chloroaniline	7.47	127	688032	106.72 ng/uL	99
37)	Hexachlorobutadiene	7.51	225	435155	102.31 ng/uL	98
38)	4-Chloro-3-methylphenol	7.89	107	547331	110.11 ng/uL	99
39)	2-Methylnaphthalene	8.05	142	1246173	107.39 ng/uL	99
40)	1-Methylnaphthalene	8.14	142	1190672	106.15 ng/uL	99
42)	Hexachlorocyclopentadiene	8.18	237	369417	138.13 ng/uL	99
43)	2,4,6-Trichlorophenol	8.29	196	398517	110.63 ng/uL	99
44)	2,4,5-Trichlorophenol	8.33	196	419375	109.38 ng/uL	99
46)	2-Chloronaphthalene	8.49	162	1157157	104.90 ng/uL	100
47)	2-Nitroaniline	8.58	65	319112	107.70 ng/uL	99
48)	1,4-Dinitrobenzene	8.69	168	190499	112.89 ng/uL	98
49)	Dimethylphthalate	8.71	163	1224391	106.41 ng/uL	99
50)	1,3-Dinitrobenzene	8.76	168	205973	108.84 ng/uL	99
51)	2,6-Dinitrotoluene	8.77	165	304127	106.15 ng/uL	99
52)	1,2-Dinitrobenzene	8.84	168	134926	108.71 ng/uL#	68
53)	Acenaphthylene	8.86	152	1762947	105.65 ng/uL	99
54)	3-Nitroaniline	8.94	138	264518	111.50 ng/uL	98
55)	Acenaphthene	9.01	154	1159986	106.92 ng/uL	100
56)	2,4-Dinitrophenol	9.02	184	134734m	130.45 ng/uL	
57)	4-Nitrophenol	9.07	109	196519	114.45 ng/uL	99
58)	Dibenzofuran	9.15	168	1554477	103.76 ng/uL	99
59)	2,4-Dinitrotoluene	9.13	165	383163	108.34 ng/uL	98
60)	2,3,5,6-Tetrachlorophenol	9.21	232	311694	129.87 ng/uL	99
61)	2,3,4,6-Tetrachlorophenol	9.25	232	336170	115.07 ng/uL	99
62)	Diethylphthalate	9.29	149	1221983	108.51 ng/uL	100
63)	Fluorene	9.45	166	1277775	105.94 ng/uL	99
64)	4-Chlorophenyl phenyl ethe	9.42	204	648028	102.38 ng/uL	98
65)	4-Nitroaniline	9.48	138	285340	115.96 ng/uL	99
66)	Azobenzene	9.56	77	1229476	106.42 ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2887.D
Acq On : 12 Jul 2005 12:09 pm
Sample : ICALSVSTD100
Misc : ST050712-11
MS Integration Params: rteint.p
Quant Time: Jul 12 12:33 2005

Vial: 9
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.49	198	263394	117.15 ng/uL	96
70)	n-Nitrosodiphenylamine	9.52	169	1074626	102.66 ng/uL	99
71)	4-Bromophenyl phenyl ether	9.84	248	409809	98.98 ng/uL	99
72)	Hexachlorobenzene	9.92	284	414187	97.42 ng/uL	99
73)	Pentachlorophenol	10.09	266	192841m	133.11 ng/uL	
74)	Phenanthrene	10.28	178	1961787	102.58 ng/uL	99
75)	Anthracene	10.33	178	1989163	103.77 ng/uL	100
76)	Carbazole	10.45	167	1712343	103.62 ng/uL	100
77)	Di-n-butylphthalate	10.66	149	2196624	101.69 ng/uL	100
78)	Fluoranthene	11.30	202	2223418	100.05 ng/uL	98
80)	Benzidine	11.38	184	1206397	122.33 ng/uL	99
81)	Pyrene	11.50	202	2385918	96.62 ng/uL	99
83)	Butylbenzylphthalate	11.95	149	1014388	100.01 ng/uL	99
84)	Bis(2-ethylhexyl) adipate	11.95	129	903131	105.25 ng/uL	98
85)	Benzo[a]anthracene	12.52	228	2437043	97.61 ng/uL	99
86)	3,3'-Dichlorobenzidine	12.47	252	900858	104.53 ng/uL	99
87)	Chrysene	12.56	228	2268925	97.40 ng/uL	99
88)	Bis(2-ethylhexyl)phthalate	12.39	149	1446205	101.88 ng/uL	99
89)	Di-n-octylphthalate	12.95	149	2397413	100.68 ng/uL	100
91)	Benzo[b]fluoranthene	13.55	252	2367712	110.55 ng/uL	100
92)	Benzo[k]fluoranthene	13.58	252	2007167	102.01 ng/uL	99
93)	Benzo[a]pyrene	13.94	252	1964116	103.50 ng/uL	100
94)	Indeno(1,2,3-c,d)pyrene	15.47	276	1058474	69.08 ng/uL	99
95)	Dibenzo[a,h]anthracene	15.46	278	943467	72.19 ng/uL	100
96)	Benzo[g,h,i]perylene	15.92	276	779880	63.47 ng/uL	99

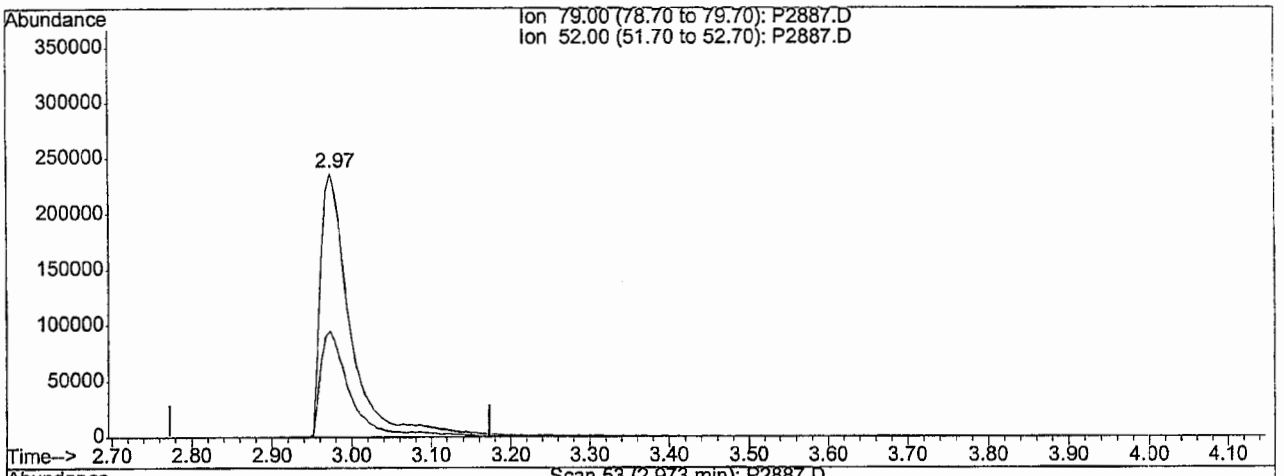
(#) = qualifier out of range (m) = manual integration

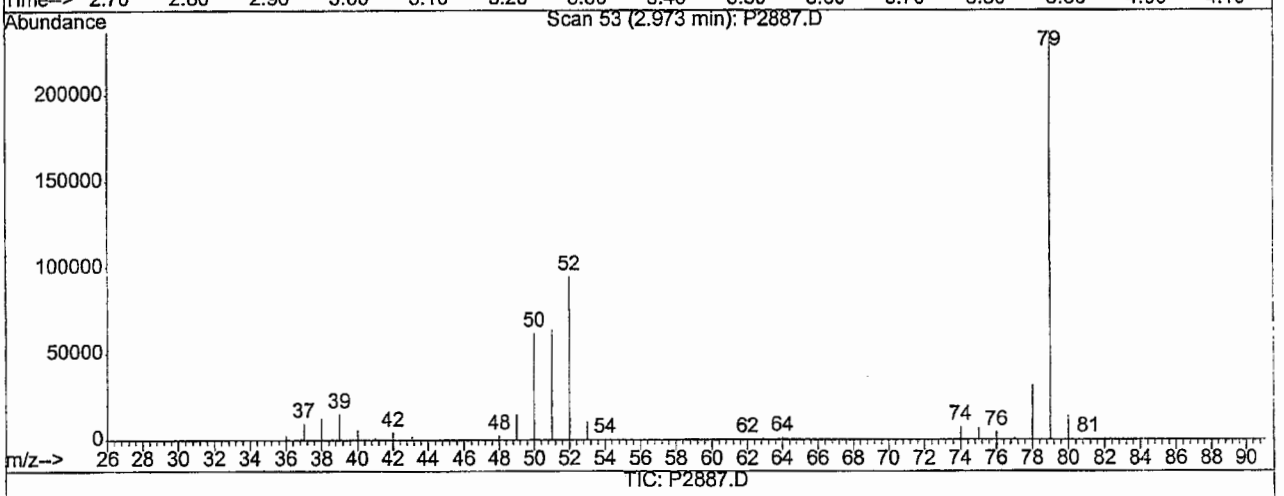
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2887.D
Acq On : 12 Jul 2005 12:09 pm
Sample : ICALSVSTD100
Misc : ST050712-11
MS Integration Params: rteint.p
Quant Time: Jul 12 12:32 2005

Vial: 9
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.97min 96.65ng/uL

response 611468

Ion	Exp%	Act%
79.00	100	100
52.00	38.00	40.21
0.00	0.00	0.00
0.00	0.00	0.00

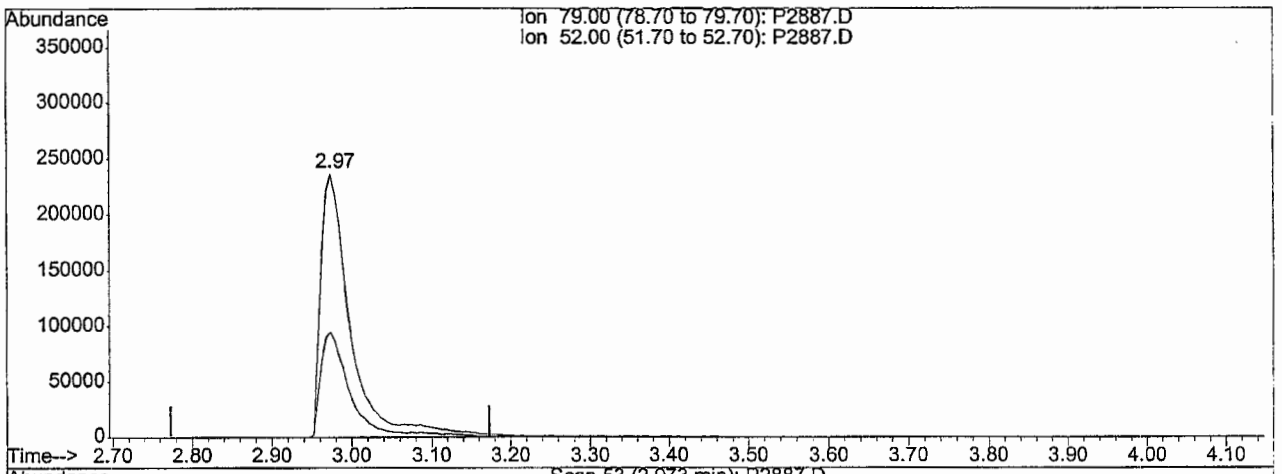
Before

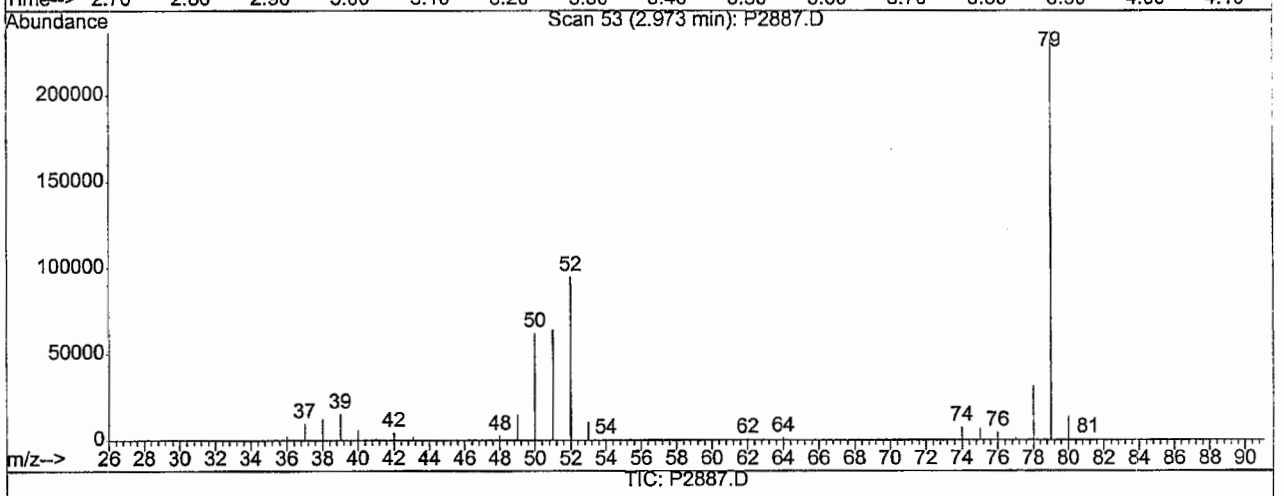
P2887.D 071205S2.M Tue Jul 12 12:32:33 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2887.D Vial: 9
Acq On : 12 Jul 2005 12:09 pm Operator: JK SOP50
Sample : ICALSVSTD100 Inst : HPSV-2
Misc : ST050712-11 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:32 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.97min 99.58ng/uL m

response 629996

Ion	Exp%	Act%
79.00	100	100
52.00	38.00	39.03
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☒ over-integrated peak's area
- ☒ under-integrated peak's area
- ☐ other _____

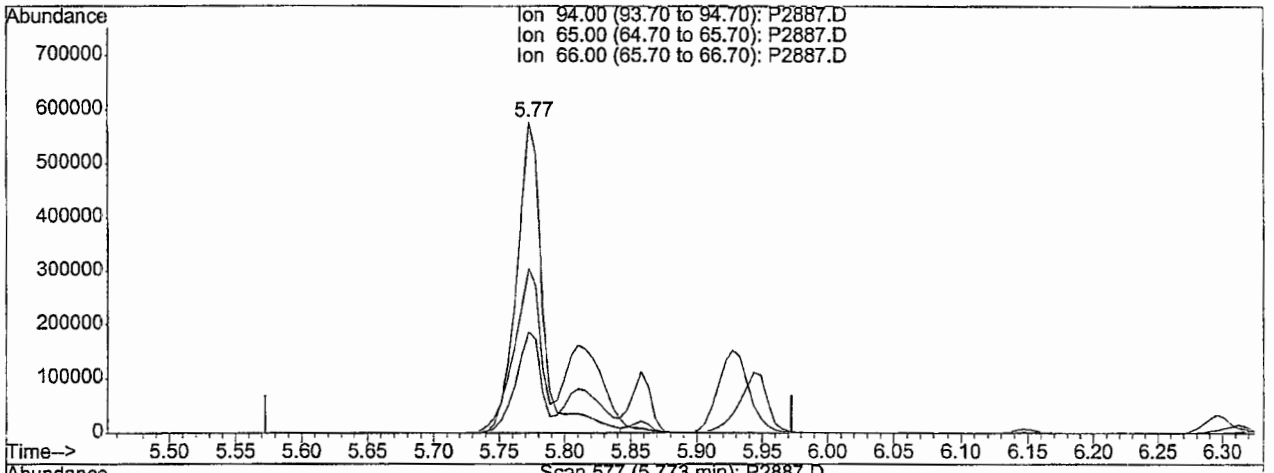
initials JK *date* 7-11-05

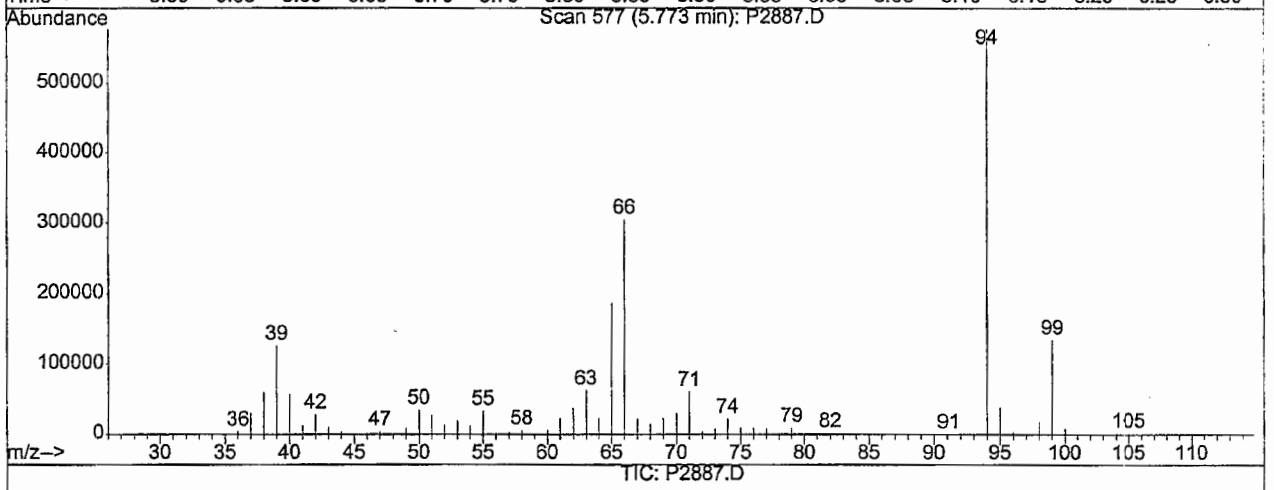
P2887.D 071205S2.M Tue Jul 12 12:32:37 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2887.D
Vial: 9
Acq On : 12 Jul 2005 12:09 pm
Operator: JK SOP50
Sample : ICALSVSTD100
Inst : HPSV-2
Misc : ST050712-11
Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:32 2005
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Multiple Level Calibration





(8) Phenol (TMC)

5.77min 114.06ng/uL

response 805651

Ion	Exp%	Act%
94.00	100	100
65.00	33.70	32.19
66.00	59.00	55.75
0.00	0.00	0.00

before

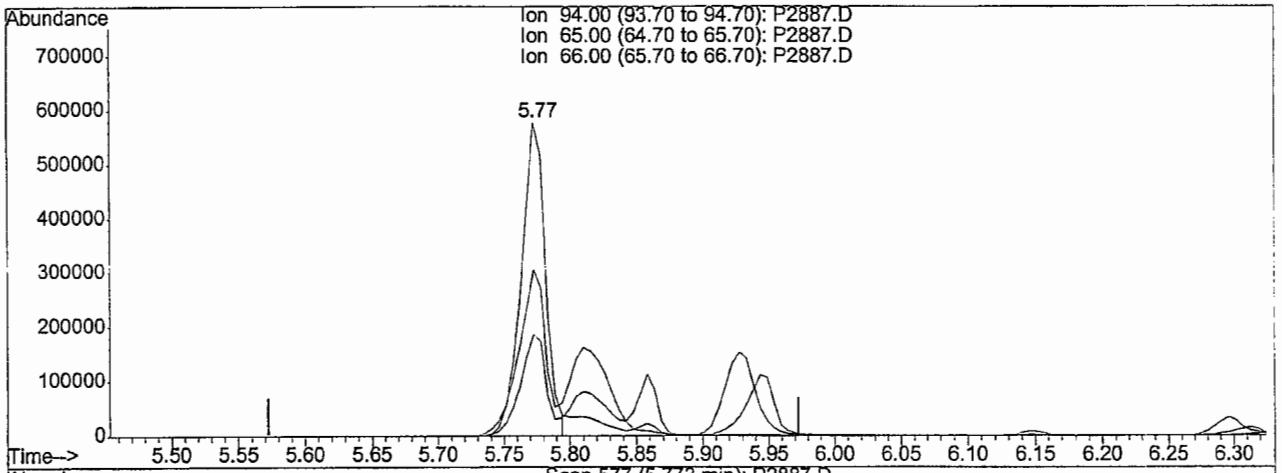
P2887.D 071205S2.M Tue Jul 12 12:32:49 2005

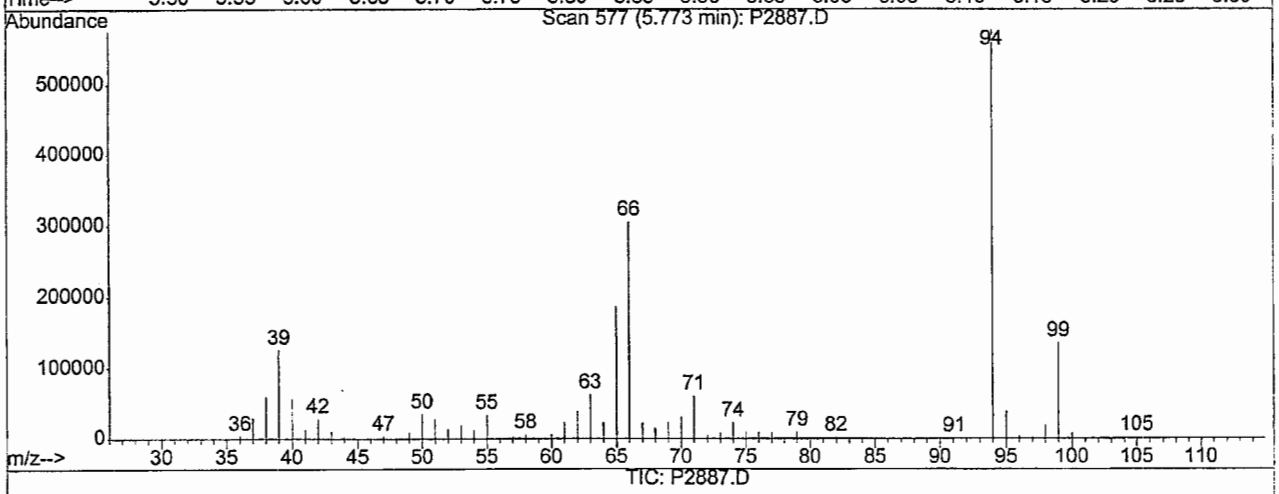
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2887.D
Acq On : 12 Jul 2005 12:09 pm
Sample : ICALSVSTD100
Misc : ST050712-11
MS Integration Params: rteint.p
Quant Time: Jul 12 12:32 2005

Vial: 9
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Multiple Level Calibration





TIC: P2887.D

(8) Phenol (TMC)

5.77min 104.19ng/uL m

response 735911

Ion	Exp%	Act%
94.00	100	100
65.00	33.70	35.24
66.00	59.00	61.03
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials XI *date* 7-12-05

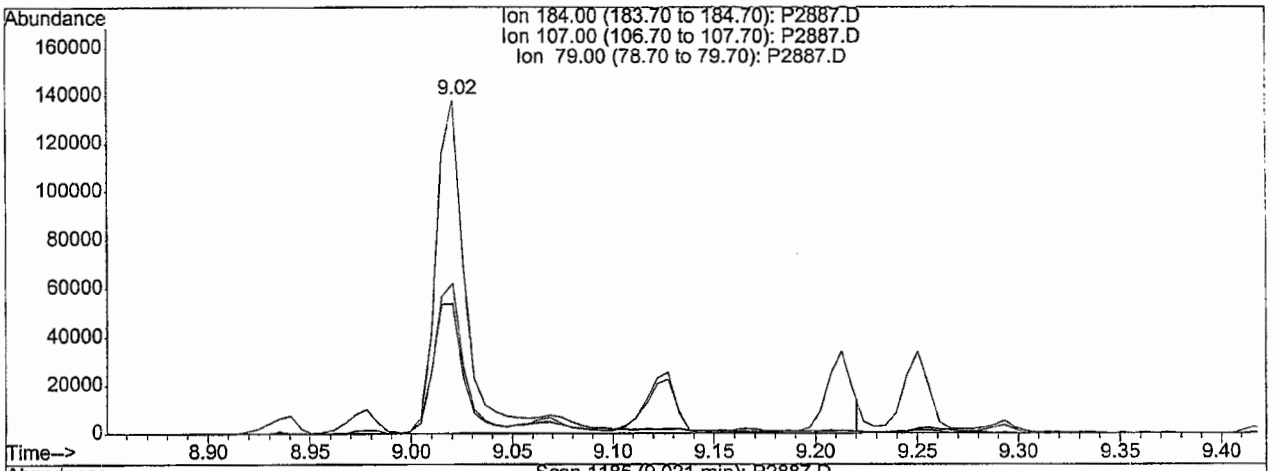
P2887.D 071205S2.M Tue Jul 12 12:32:59 2005

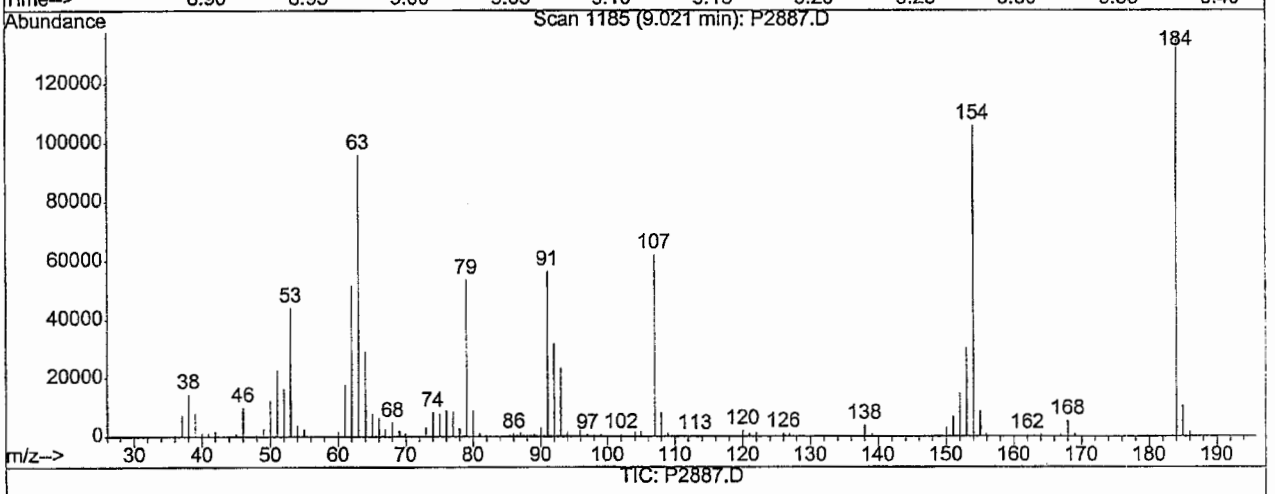
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2887.D
Acq On : 12 Jul 2005 12:09 pm
Sample : ICALSVSTD100
Misc : ST050712-11
MS Integration Params: rteint.p
Quant Time: Jul 12 12:32 2005

Vial: 9
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Multiple Level Calibration





(56) 2,4-Dinitrophenol (TP)

9.02min 150.10ng/uL

response 155026

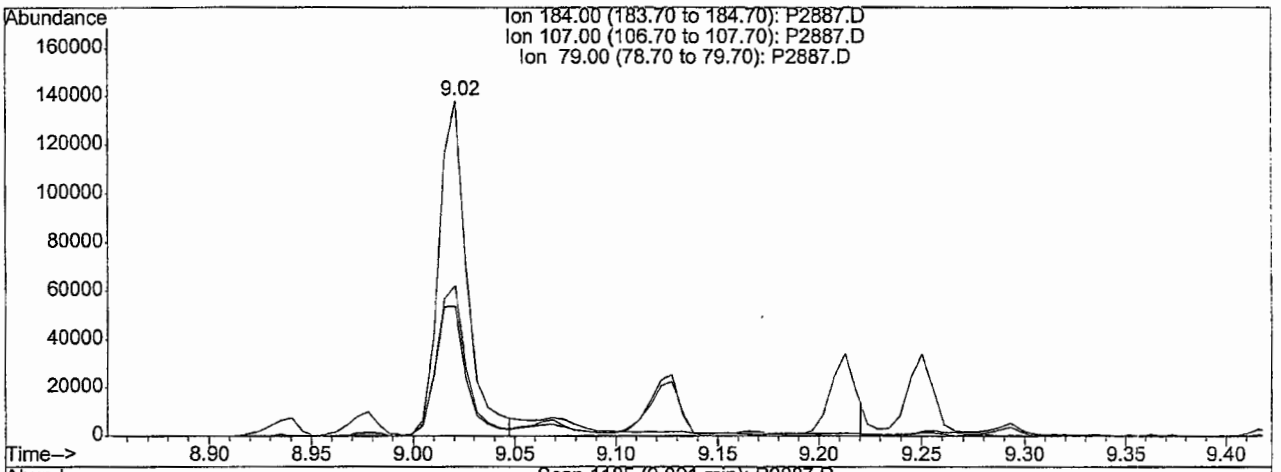
Ion	Exp%	Act%
184.00	100	100
107.00	55.60	46.93
79.00	44.00	37.19
0.00	0.00	0.00

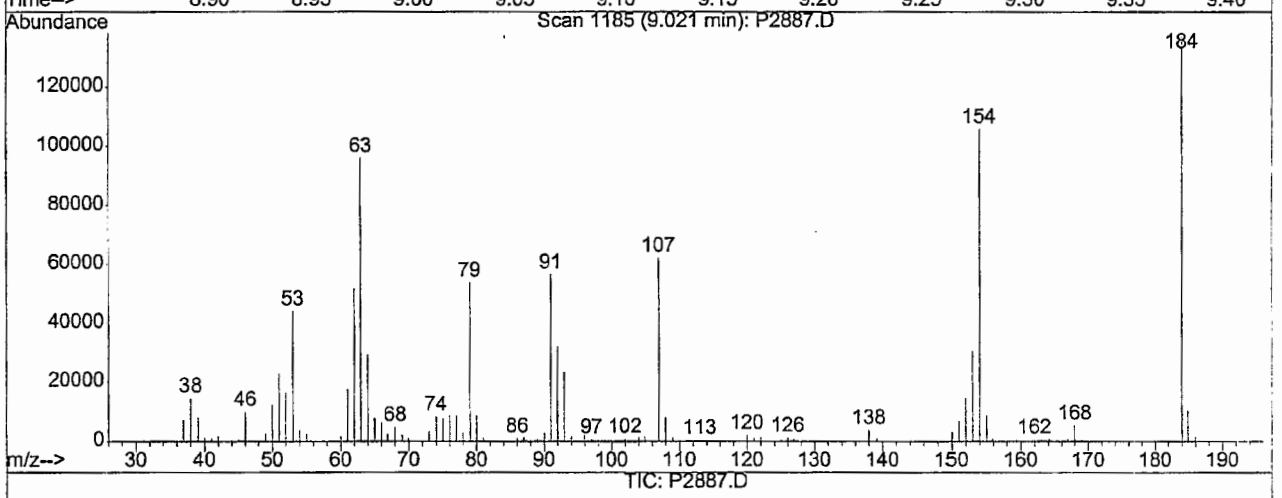
Before

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2887.D Vial: 9
Acq On : 12 Jul 2005 12:09 pm Operator: JK SOP50
Sample : ICALSVSTD100 Inst : HPSV-2
Misc : ST050712-11 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:33 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Multiple Level Calibration





TIC: P2887.D

(56) 2,4-Dinitrophenol (TP)

9.02min 130.45ng/uL m

response 134734

Ion	Exp%	Act%
184.00	100	100
107.00	55.60	53.99
79.00	44.00	42.80
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JL *date* 7-12-05

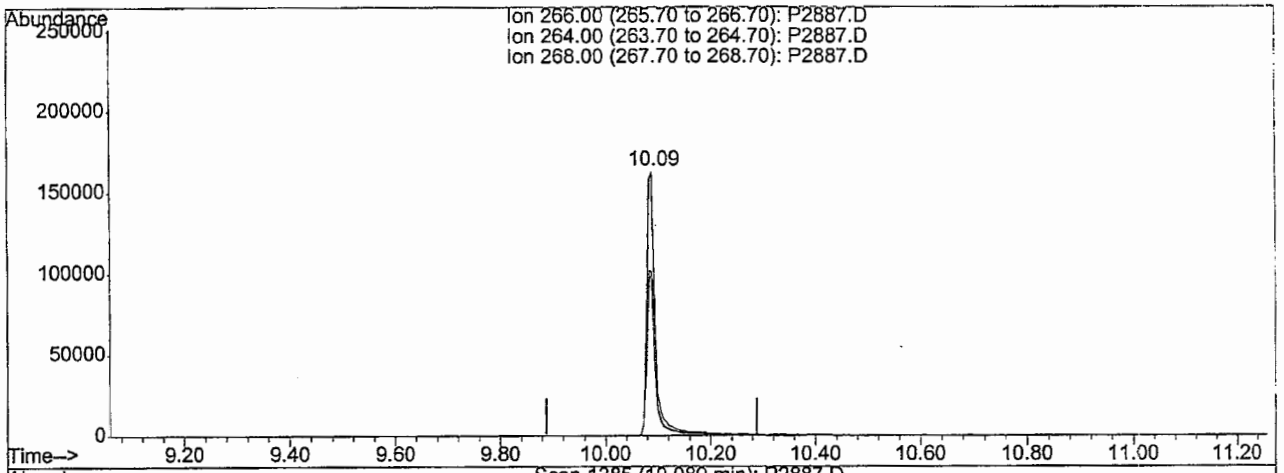
P2887.D 071205S2.M Tue Jul 12 12:33:41 2005

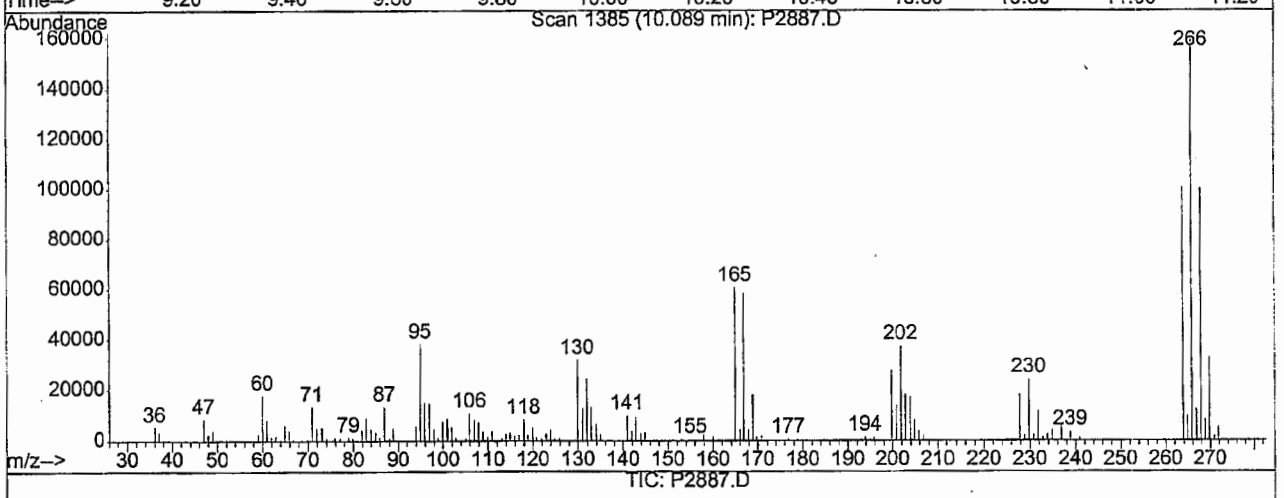
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2887.D
Acq On : 12 Jul 2005 12:09 pm
Sample : ICALSVSTD100
Misc : ST050712-11
MS Integration Params: rteint.p
Quant Time: Jul 12 12:33 2005

Vial: 9
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.09min 128.61ng/uL

response 186311

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	62.12
268.00	61.00	61.72
0.00	0.00	0.00

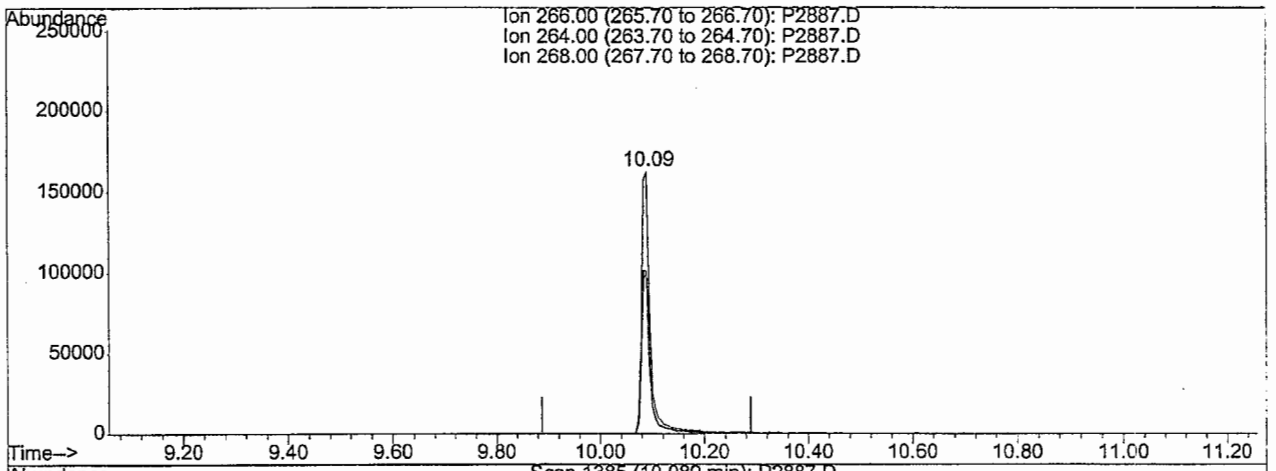
Before

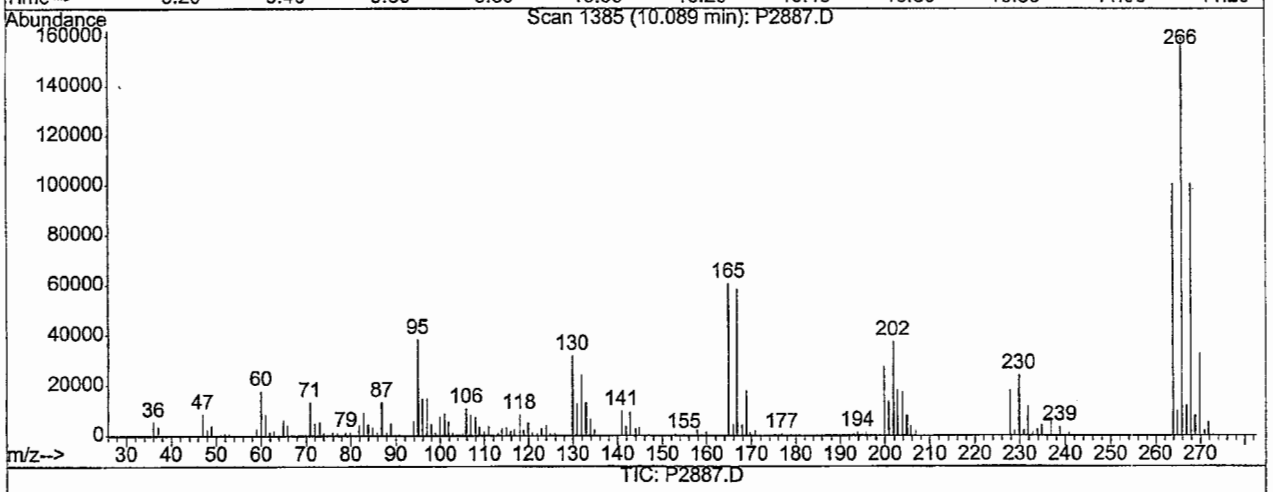
P2887.D 071205S2.M Tue Jul 12 12:33:56 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2887.D Vial: 9
Acq On : 12 Jul 2005 12:09 pm Operator: JK SOP50
Sample : ICALSVSTD100 Inst : HPSV-2
Misc : ST050712-11 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:33 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integratcr)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.09min 133.11ng/uL m

response 192841

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	60.02
268.00	61.00	59.63
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-12-05

P2887.D 071205S2.M Tue Jul 12 12:34:00 2005

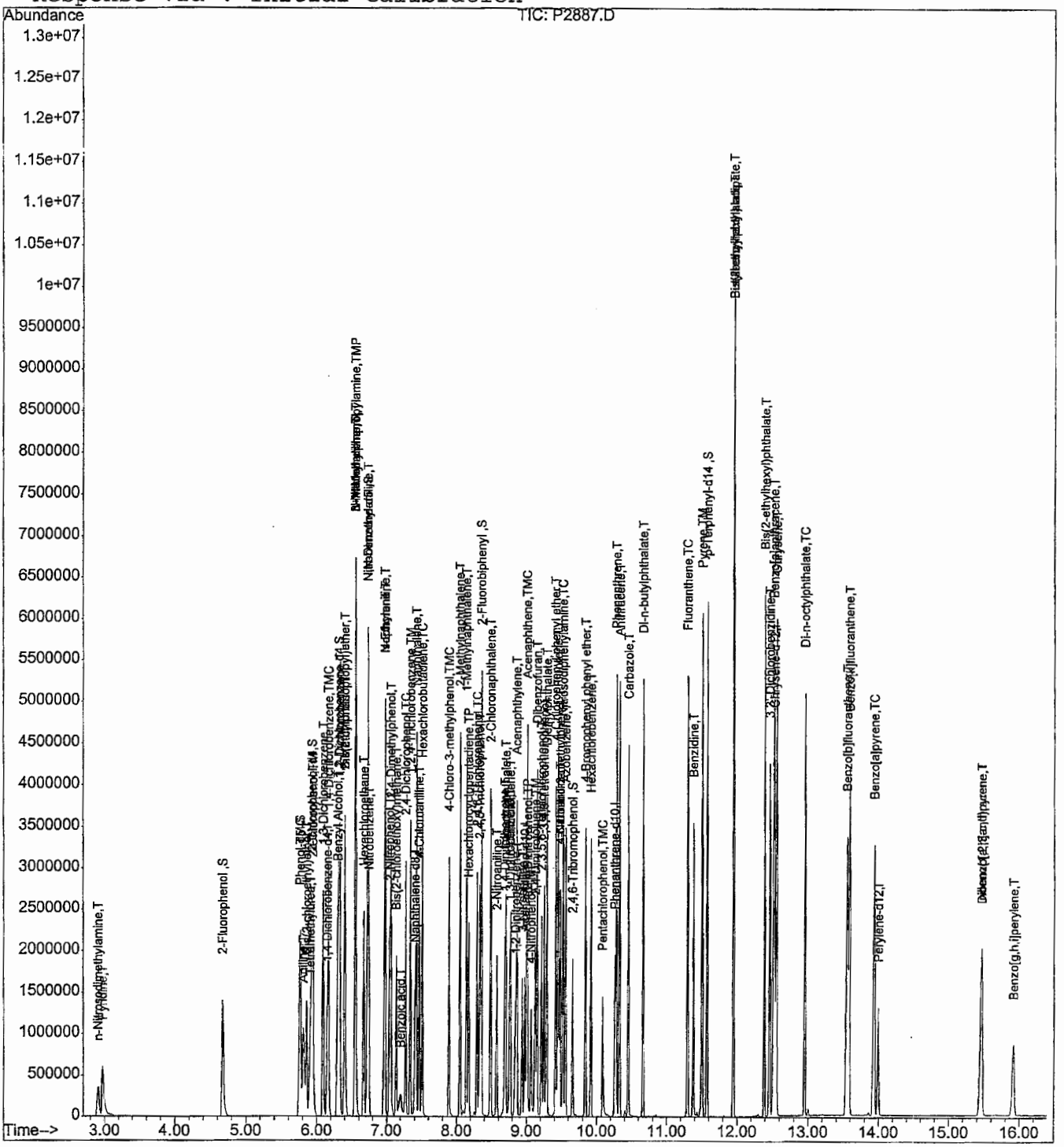
Quantitation Report

Data File : C:\HPCHEM\1\DATA\071205\P2887.D
Acq On : 12 Jul 2005 12:09 pm
Sample : ICALSVSTD100
Misc : ST050712-11
MS Integration Params: rteint.p
Quant Time: Jul 12 12:33 2005

Vial: 9
Operator: JK SOP506
Inst : HPSV-2
Multiplr: 1.00

Quant Results File: 071205S2.RES

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:31:58 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2888.D Vial: 10
Acq On : 12 Jul 2005 12:31 pm Operator: JK SOP506 Rev
Sample : ICALSVSTD120 Inst : HPSV-2
Misc : ST050712-12 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:57 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.15	152	198948	40.00	ng/uL	0.00
24) Naphthalene-d8	7.41	136	639763	40.00	ng/uL	0.00
41) Acenaphthene-d10	8.98	164	354539	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.26	188	694450	40.00	ng/uL	0.00
79) Chrysene-d12	12.53	240	736093	40.00	ng/uL	0.00
90) Perylene-d12	13.99	264	511867	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.67	112	752851	125.01	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 166.68%#			
5) 2-Chlorophenol-d4	5.93	132	809805	130.02	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 173.36%#			
7) Phenol-d5	5.76	99	862091	131.25	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 175.00%#			
14) 1,2-Dichlorobenzene-d4	6.31	152	579030	127.20	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 254.40%#			
25) Nitrobenzene-d5	6.73	82	1049105	135.53	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 271.06%#			
45) 2-Fluorobiphenyl	8.36	172	1774970	126.46	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 252.92%#			
67) 2,4,6-Tribromophenol	9.66	330	229610	145.61	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 194.15%#			
82) p-Terphenyl-d14	11.58	244	1912340	115.47	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 230.94%#			

Target Compounds						Qvalue
2) Pyridine	2.98	79	695593	110.84	ng/uL	96
3) n-Nitrosodimethylamine	2.92	74	388714	114.08	ng/uL	99
6) Aniline	5.81	93	966415	123.33	ng/uL	91
8) Phenol	5.78	94	858867m	121.88	ng/uL	
9) Tetramethylurea	5.91	72	1269044	122.55	ng/uL	98
10) Bis(2-chloroethyl)ether	5.86	93	571325	109.26	ng/uL	92
11) 2-Chlorophenol	5.95	128	754535	121.23	ng/uL	98
12) 1,3-Dichlorobenzene	6.10	146	848851	117.23	ng/uL	100
13) 1,4-Dichlorobenzene	6.17	146	880774	116.63	ng/ul	100
15) 1,2-Dichlorobenzene	6.33	146	829814	119.31	ng/uL	99
16) Benzyl Alcohol	6.30	108	463123	125.63	ng/uL	98
17) Bis(2-chloroisopropyl)ethe	6.41	45	457692	133.57	ng/uL	91
18) 2-Methylphenol	6.41	107	594229	126.25	ng/uL	98
19) n-Nitroso-di-n-propylamine	6.55	70	654941	130.92	ng/uL	99
20) 3+4-Methylphenol	6.56	108	864113	128.15	ng/uL	98
21) N-Methylaniline	6.55	106	1171875	128.78	ng/uL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2888.D
Acq On : 12 Jul 2005 12:31 pm
Sample : ICALSVSTD120
Misc : ST050712-12
MS Integration Params: rteint.p
Quant Time: Jul 12 12:57 2005

Vial: 10
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22)	Hexachloroethane	6.67	117	341084	118.76 ng/uL	99
23)	N,N-Dimethylaniline	6.73	120	1220332	129.68 ng/uL	96
26)	Nitrobenzene	6.75	77	1274893	123.38 ng/uL	99
27)	Isophorone	6.97	82	1383169	126.42 ng/uL	98
28)	N-Ethylaniline	6.98	106	1596138	130.08 ng/uL	99
29)	2-Nitrophenol	7.05	139	370525	123.65 ng/uL	98
30)	2,4-Dimethylphenol	7.06	107	755956	117.57 ng/uL	100
31)	Bis(2-chloroethoxy)methane	7.14	93	737218	118.73 ng/uL	100
32)	2,4-Dichlorophenol	7.28	162	596152	115.17 ng/uL	99
33)	Benzoic acid	7.21	105	223688	130.12 ng/uL	90
34)	1,2,4-Trichlorobenzene	7.35	180	752765	114.70 ng/uL	100
35)	Naphthalene	7.43	128	2105312	119.24 ng/uL	100
36)	4-Chloroaniline	7.47	127	784281	120.21 ng/uL	99
37)	Hexachlorobutadiene	7.52	225	488832	114.36 ng/uL	99
38)	4-Chloro-3-methylphenol	7.89	107	606349	120.50 ng/uL	100
39)	2-Methylnaphthalene	8.05	142	1408226	119.96 ng/uL	99
40)	1-Methylnaphthalene	8.14	142	1366152	120.33 ng/uL	99
42)	Hexachlorocyclopentadiene	8.17	237	402265	146.66 ng/uL	99
43)	2,4,6-Trichlorophenol	8.30	196	432928	120.90 ng/uL	98
44)	2,4,5-Trichlorophenol	8.33	196	473190	123.73 ng/uL	99
46)	2-Chloronaphthalene	8.49	162	1297656	118.65 ng/uL	100
47)	2-Nitroaniline	8.58	65	348608	118.67 ng/uL	98
48)	1,4-Dinitrobenzene	8.69	168	216560	128.00 ng/uL	100
49)	Dimethylphthalate	8.71	163	1368130	119.77 ng/uL	99
50)	1,3-Dinitrobenzene	8.76	168	236075	124.89 ng/uL	97
51)	2,6-Dinitrotoluene	8.78	165	339017	119.26 ng/uL	100
52)	1,2-Dinitrobenzene	8.85	168	151182	122.32 ng/uL#	67
53)	Acenaphthylene	8.86	152	1966495	118.84 ng/uL	99
54)	3-Nitroaniline	8.94	138	295336	124.67 ng/uL	98
55)	Acenaphthene	9.01	154	1302306	120.77 ng/uL	100
56)	2,4-Dinitrophenol	9.02	184	150846m	142.26 ng/uL	
57)	4-Nitrophenol	9.07	109	220471	127.65 ng/uL	99
58)	Dibenzofuran	9.16	168	1719115	116.09 ng/uL	99
59)	2,4-Dinitrotoluene	9.13	165	443498	125.46 ng/uL	99
60)	2,3,5,6-Tetrachlorophenol	9.22	232	343848	140.71 ng/uL	99
61)	2,3,4,6-Tetrachlorophenol	9.25	232	388101	131.88 ng/uL	100
62)	Diethylphthalate	9.30	149	1403287	124.77 ng/uL	100
63)	Fluorene	9.45	166	1437990	120.05 ng/uL	99
64)	4-Chlorophenyl phenyl ethe	9.42	204	732574	116.97 ng/uL	100
65)	4-Nitroaniline	9.48	138	318910	129.10 ng/uL	99
66)	Azobenzene	9.56	77	1413088	122.76 ng/uL	98

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2888.D
Acq On : 12 Jul 2005 12:31 pm
Sample : ICALSVSTD120
Misc : ST050712-12
MS Integration Params: rteint.p
Quant Time: Jul 12 12:57 2005

Vial: 10
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

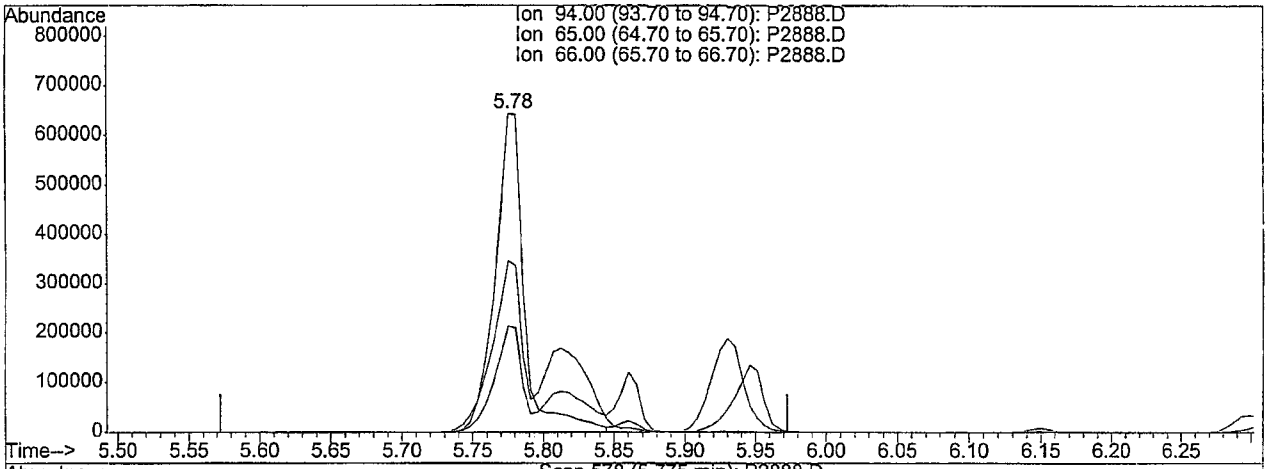
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.49	198	286719	126.39 ng/uL	99
70)	n-Nitrosodiphenylamine	9.53	169	1226835	117.72 ng/uL	100
71)	4-Bromophenyl phenyl ether	9.85	248	462865	112.93 ng/uL	100
72)	Hexachlorobenzene	9.92	284	469563	111.72 ng/uL	99
73)	Pentachlorophenol	10.09	266	213668m	142.09 ng/uL	
74)	Phenanthrene	10.28	178	2221305	116.79 ng/uL	100
75)	Anthracene	10.33	178	2230440	116.98 ng/uL	100
76)	Carbazole	10.45	167	1908962	116.24 ng/uL	100
77)	Di-n-butylphthalate	10.66	149	2466163	115.04 ng/uL	100
78)	Fluoranthene	11.30	202	2417921	110.26 ng/uL	98
80)	Benzidine	11.38	184	1261366	129.89 ng/uL	99
81)	Pyrene	11.51	202	2602954	109.66 ng/uL	99
83)	Butylbenzylphthalate	11.95	149	1082499	110.87 ng/uL	99
84)	Bis(2-ethylhexyl) adipate	11.95	129	969641	116.59 ng/uL	98
85)	Benzo[a]anthracene	12.52	228	2607384	108.76 ng/uL	99
86)	3,3'-Dichlorobenzidine	12.46	252	982376	117.49 ng/uL	99
87)	Chrysene	12.55	228	2411570	107.91 ng/uL	100
88)	Bis(2-ethylhexyl)phthalate	12.39	149	1587125	115.51 ng/uL	99
89)	Di-n-octylphthalate	12.95	149	2609790	113.50 ng/uL	100
91)	Benzo[b]fluoranthene	13.55	252	2642934	124.35 ng/uL	99
92)	Benzo[k]fluoranthene	13.59	252	2266151m	118.78 ng/uL	
93)	Benzo[a]pyrene	13.94	252	2099920	113.01 ng/uL	100
94)	Indeno(1,2,3-c,d)pyrene	15.47	276	1238856	85.29 ng/uL	100
95)	Dibenzo[a,h]anthracene	15.46	278	1089790	87.71 ng/uL	99
96)	Benzo[g,h,i]perylene	15.92	276	932702	80.50 ng/uL	99

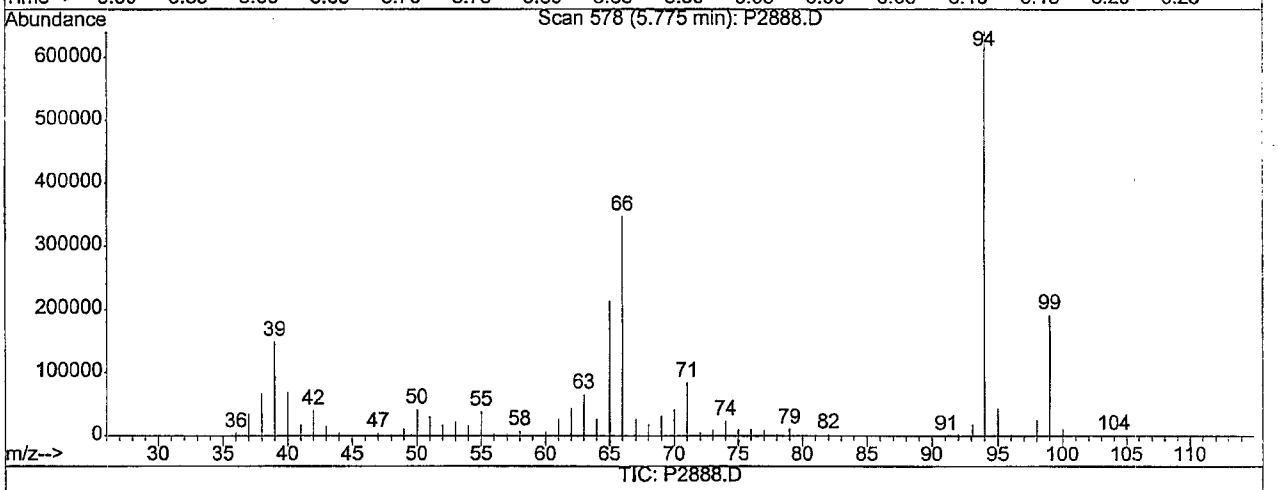
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2888.D
Vial: 10
Acq On : 12 Jul 2005 12:31 pm
Operator: JK SOP50
Sample : ICALSVSTD120
Inst : HPSV-2
Misc : ST050712-12
Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:55 2005
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Multiple Level Calibration





TIC: P2888.D

(8) Phenol (TMC)

5.78min 131.09ng/uL

response 923744

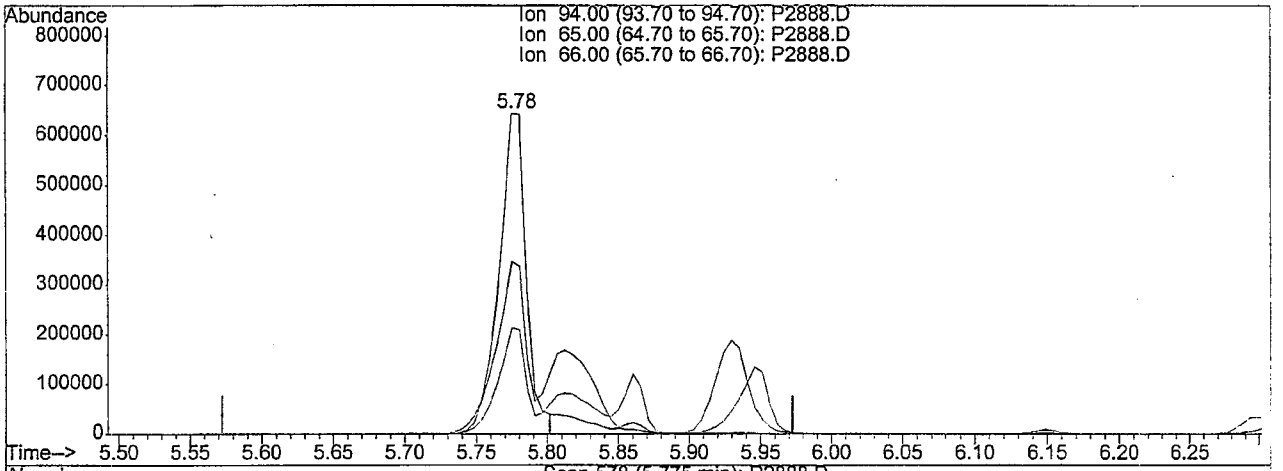
Ion	Exp%	Act%
94.00	100	100
65.00	33.70	32.72
66.00	59.00	57.30
0.00	0.00	0.00

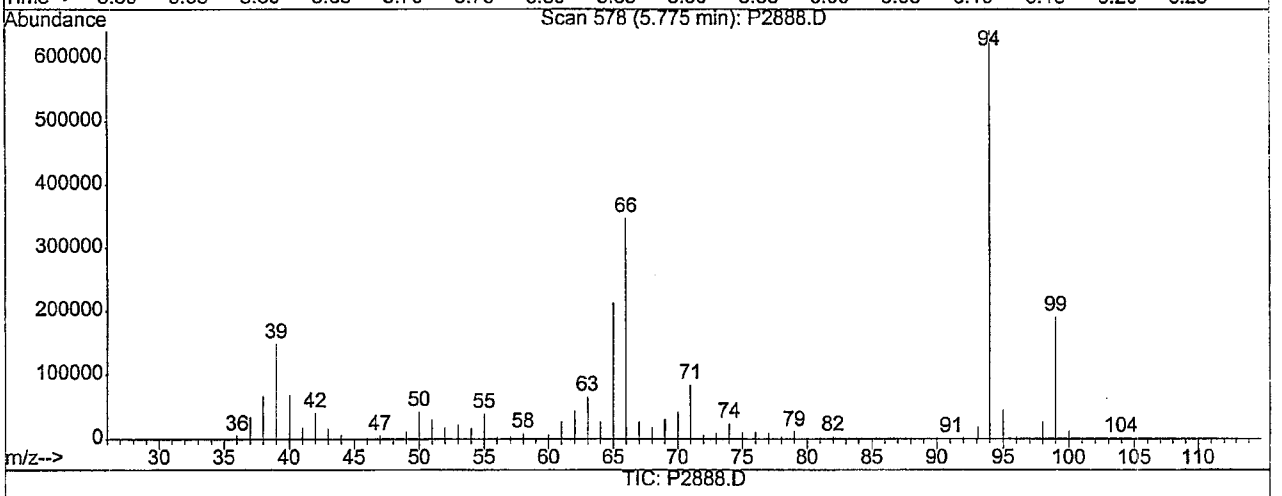
Before

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2888.D
Vial: 10
Acq On : 12 Jul 2005 12:31 pm
Operator: JK SOP50
Sample : ICALSVSTD120
Inst : HPSV-2
Misc : ST050712-12
Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:56 2005
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Multiple Level Calibration





TIC: P2888.D

(8) Phenol (TMC)

5.78min 121.88ng/uL m

response 858867

Ion	Exp%	Act%
94.00	100	100
65.00	33.70	35.19
66.00	59.00	61.63
0.00	0.00	0.00

MANUAL RE-INTEGRATION

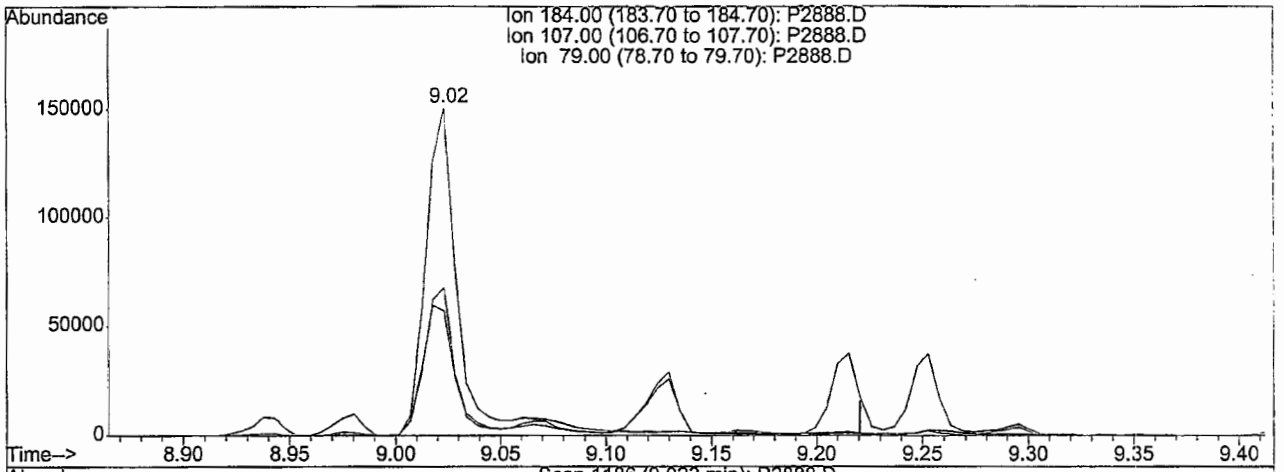
- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

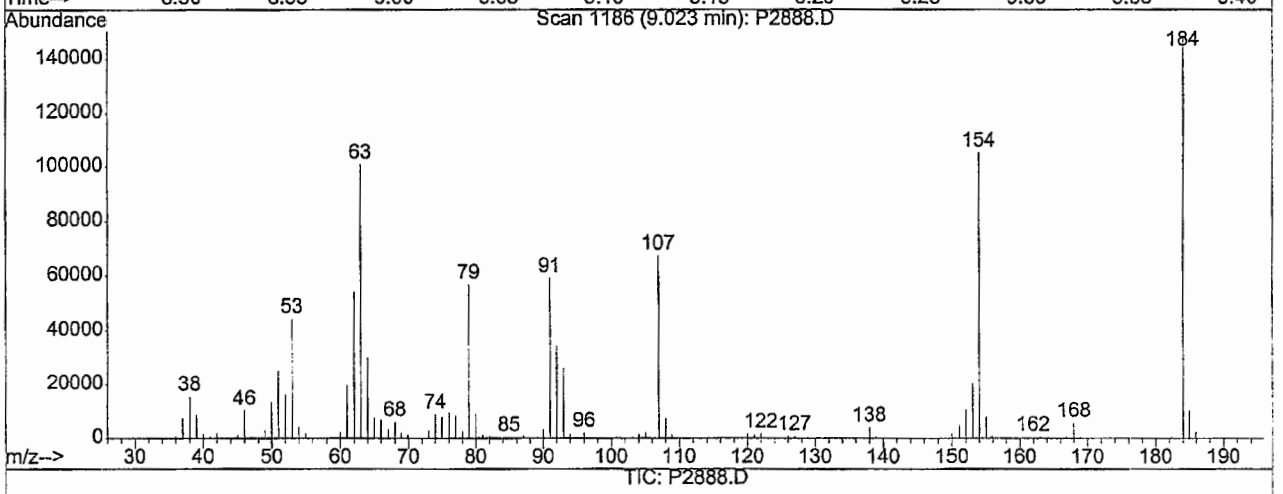
initials JLC *date* 7-12-05

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2888.D
Vial: 10
Acq On : 12 Jul 2005 12:31 pm
Operator: JK SOP50
Sample : ICALSVSTD120
Inst : HPSV-2
Misc : ST050712-12
Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:56 2005
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Multiple Level Calibration





(56) 2,4-Dinitrophenol (TP)

9.02min 162.43ng/uL

response 172227

Ion	Exp%	Act%
184.00	100	100
107.00	55.60	45.41
79.00	44.00	37.39
0.00	0.00	0.00

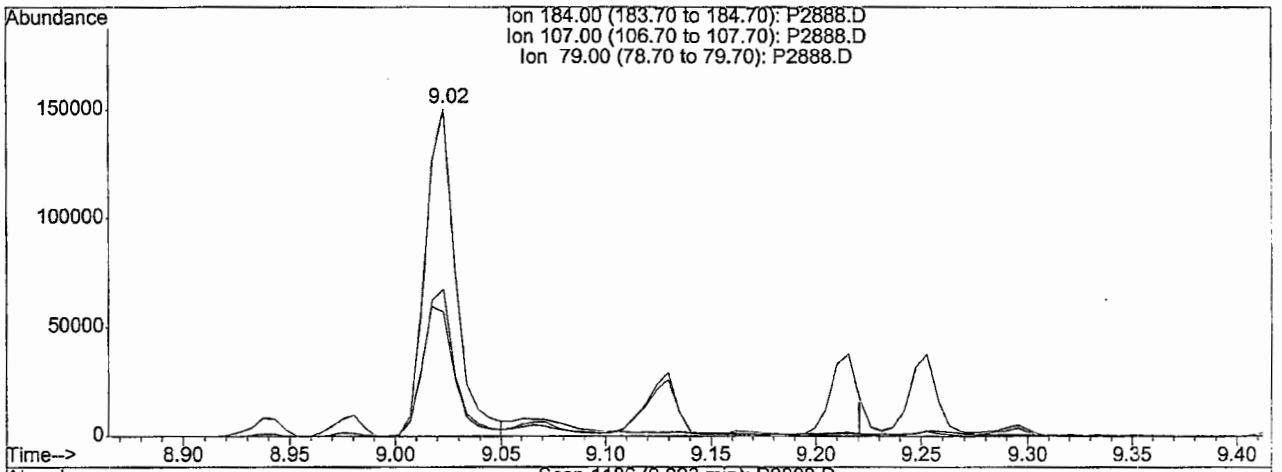
Before

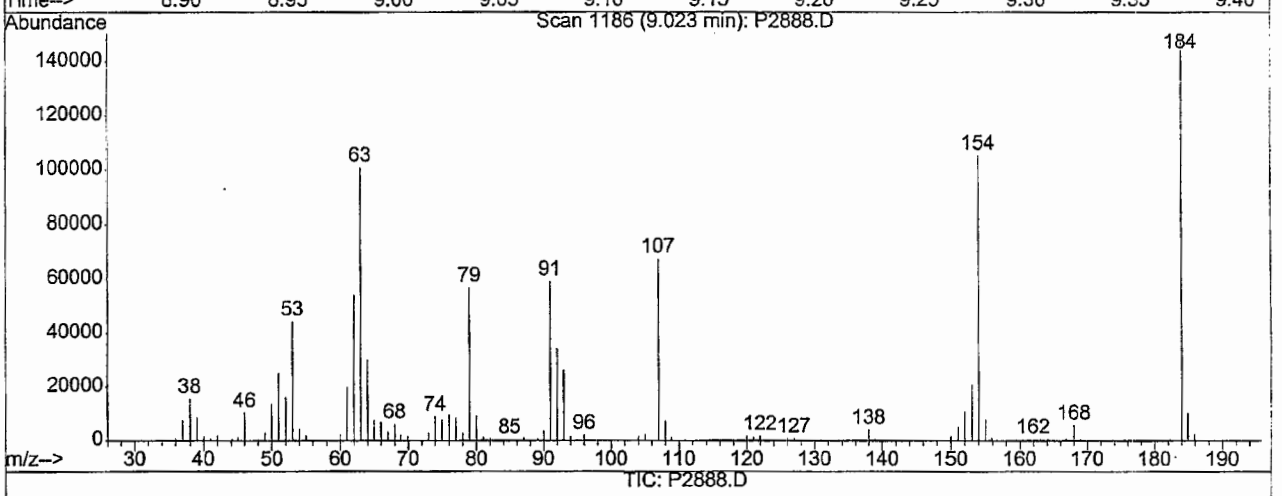
P2888.D 071205S2.M Tue Jul 12 12:57:16 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2888.D Vial: 10
Acq On : 12 Jul 2005 12:31 pm Operator: JK SOP50
Sample : ICALSVSTD120 Inst : HPSV-2
Misc : ST050712-12 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:57 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Multiple Level Calibration





(56) 2,4-Dinitrophenol (TP)

9.02min 142.26ng/uL m

response 150846

Ion	Exp%	Act%
184.00	100	100
107.00	55.60	51.85
79.00	44.00	42.69
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

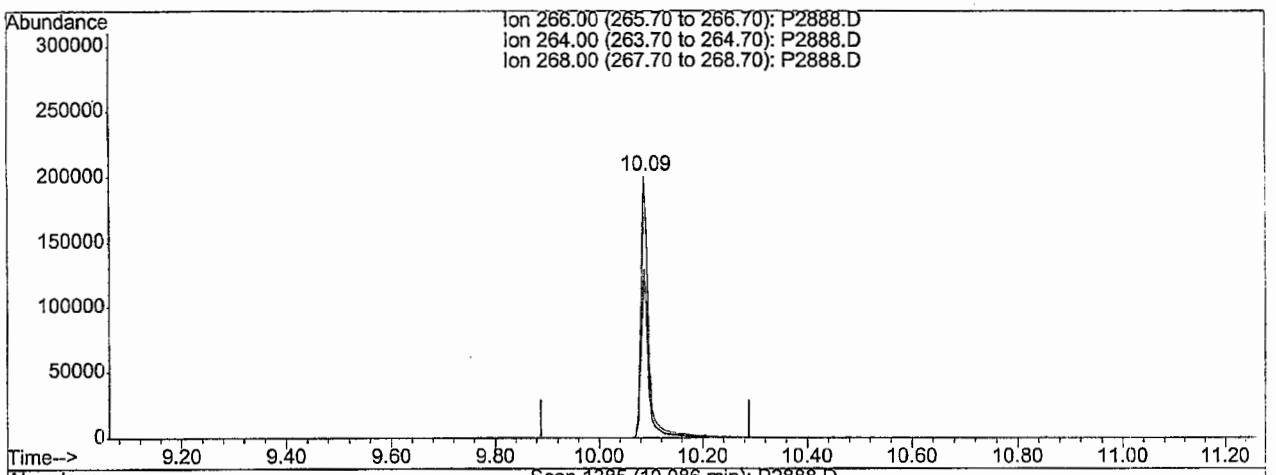
initials JU *date* 7-12-05

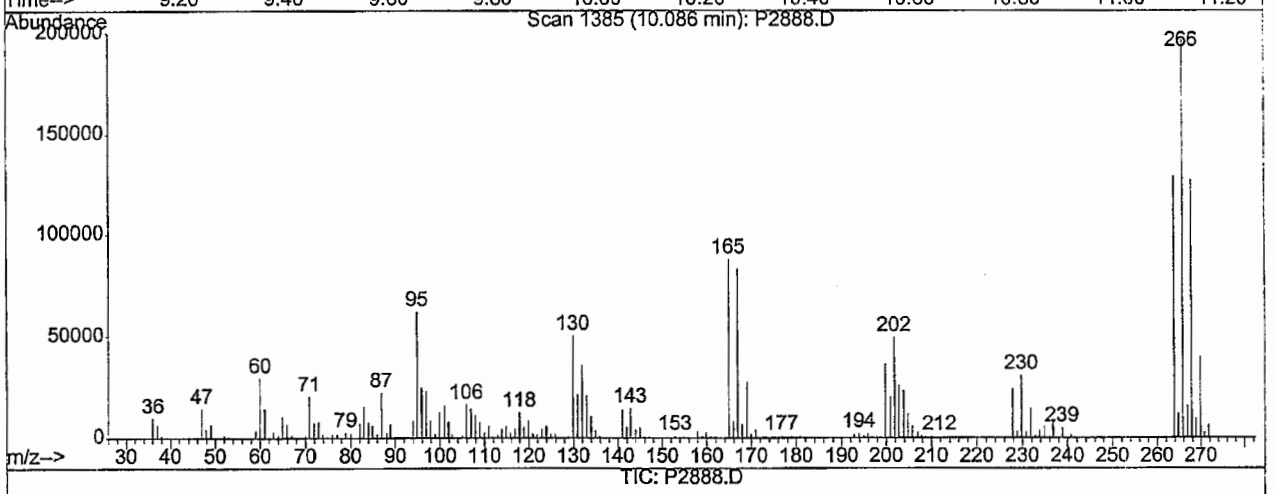
P2888.D 071205S2.M Tue Jul 12 12:57:21 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2888.D
Vial: 10
Acq On : 12 Jul 2005 12:31 pm
Operator: JK SOP50
Sample : ICALSVSTD120
Inst : HPSV-2
Misc : ST050712-12
Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 12:57 2005
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.09min 137.75ng/uL

response 207133

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	63.44
268.00	61.00	62.47
0.00	0.00	0.00

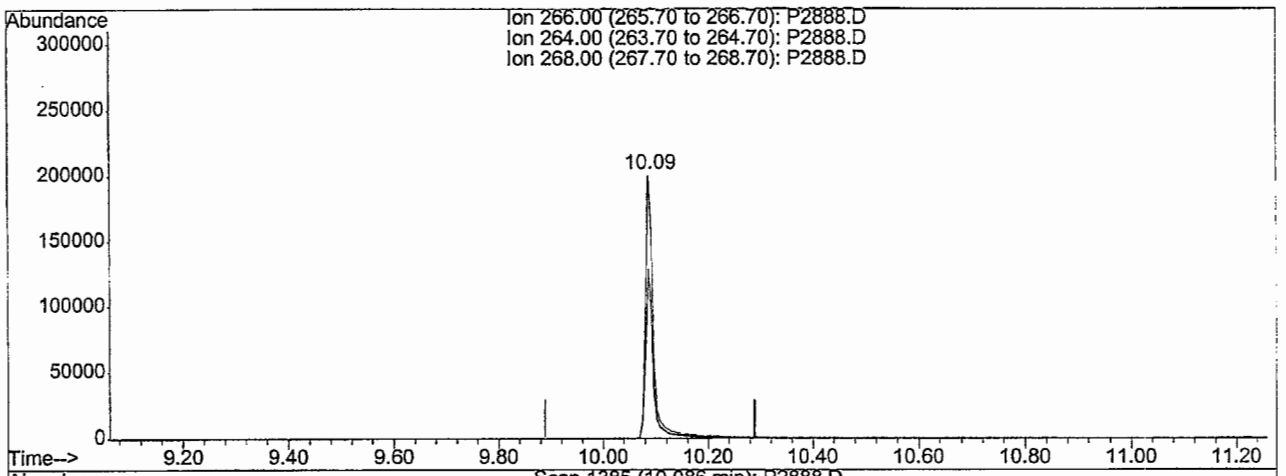
Before

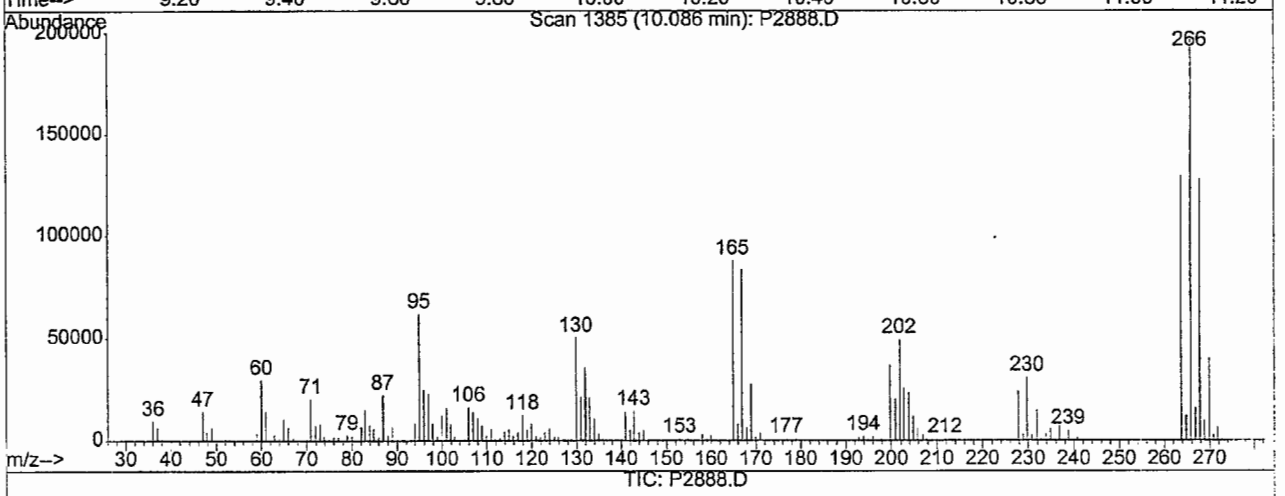
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2888.D
Acq On : 12 Jul 2005 12:31 pm
Sample : ICALSVSTD120
Misc : ST050712-12
MS Integration Params: rteint.p
Quant Time: Jul 12 12:57 2005

Vial: 10
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

10.09min 142.09ng/uL m

response 213668

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	61.50
268.00	61.00	60.56
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-12-05

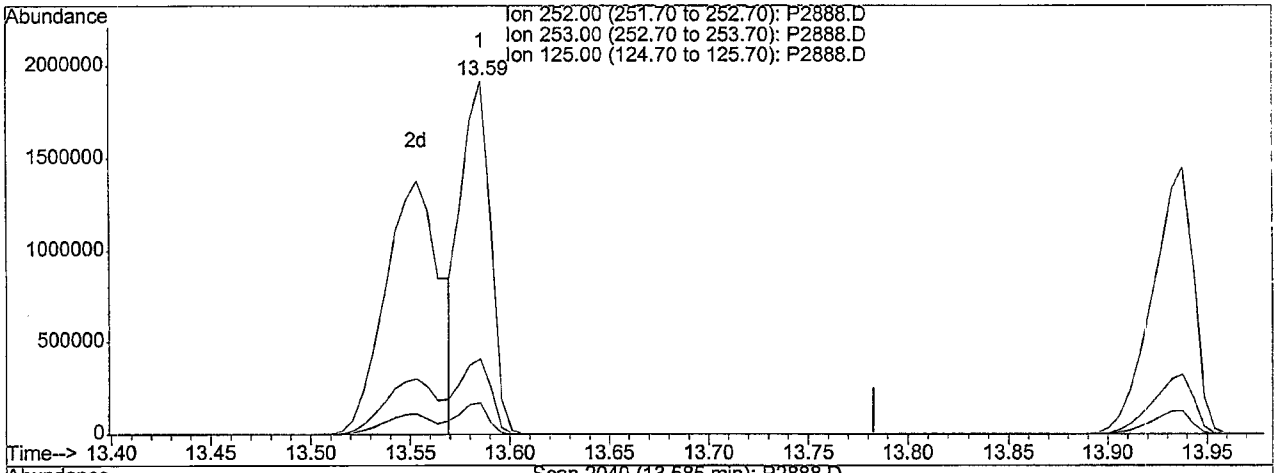
P2888.D 071205S2.M Tue Jul 12 12:57:38 2005

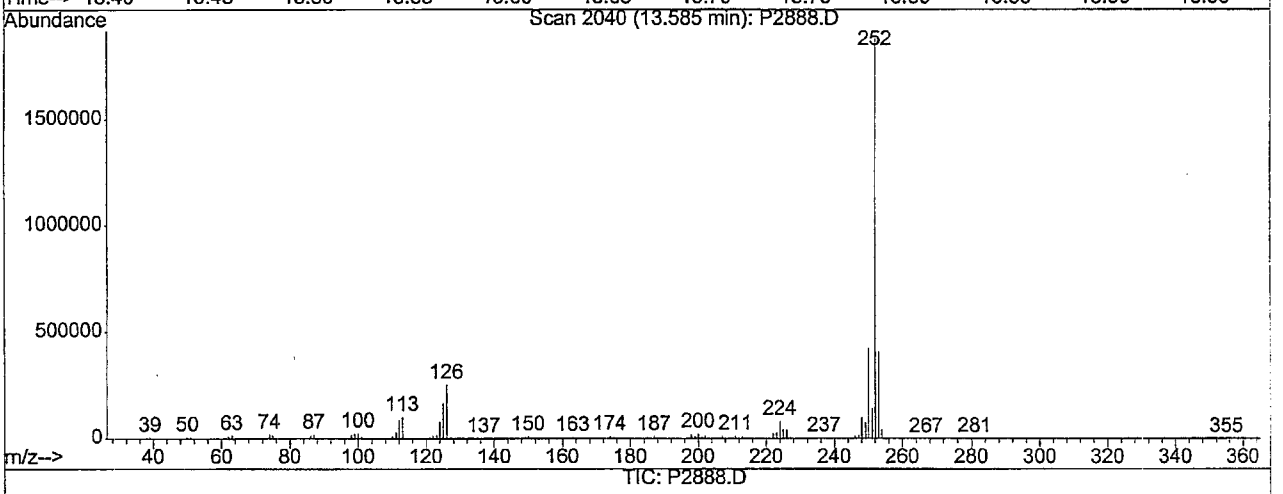
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2888.D
Acq On : 12 Jul 2005 12:31 pm
Sample : ICALSVSTD120
Misc : ST050712-12
MS Integration Params: rteint.p
Quant Time: Jul 12 12:57 2005

Vial: 10
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Multiple Level Calibration





(92) Benzo[k]fluoranthene (T)

13.59min 104.74ng/uL

response 1998170

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.69
125.00	7.30	9.27
0.00	0.00	0.00

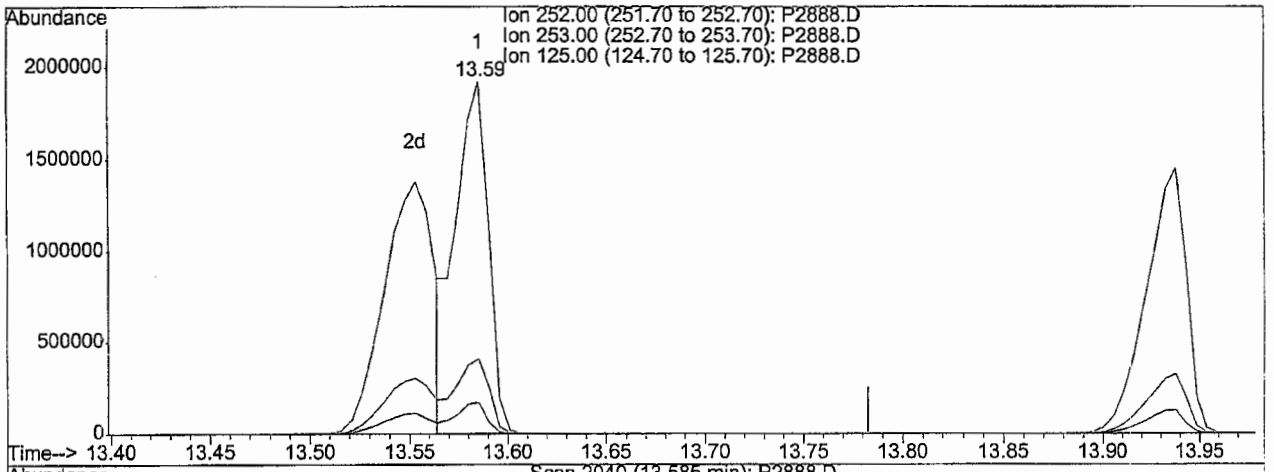
Before

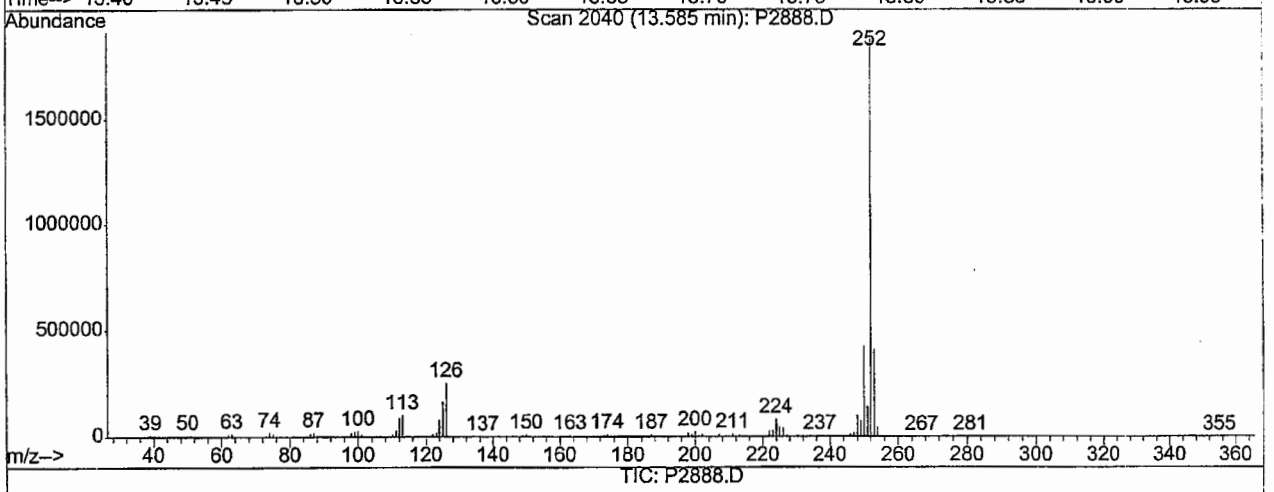
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2888.D
Acq On : 12 Jul 2005 12:31 pm
Sample : ICALSVSTD120
Misc : ST050712-12
MS Integration Params: rteint.p
Quant Time: Jul 12 12:57 2005

Vial: 10
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Multiple Level Calibration





(92) Benzo[k]fluoranthene (T)

13.59min 118.78ng/uL m

response 2266151

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	19.13
125.00	7.30	8.17
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JL *date* 7-12-05

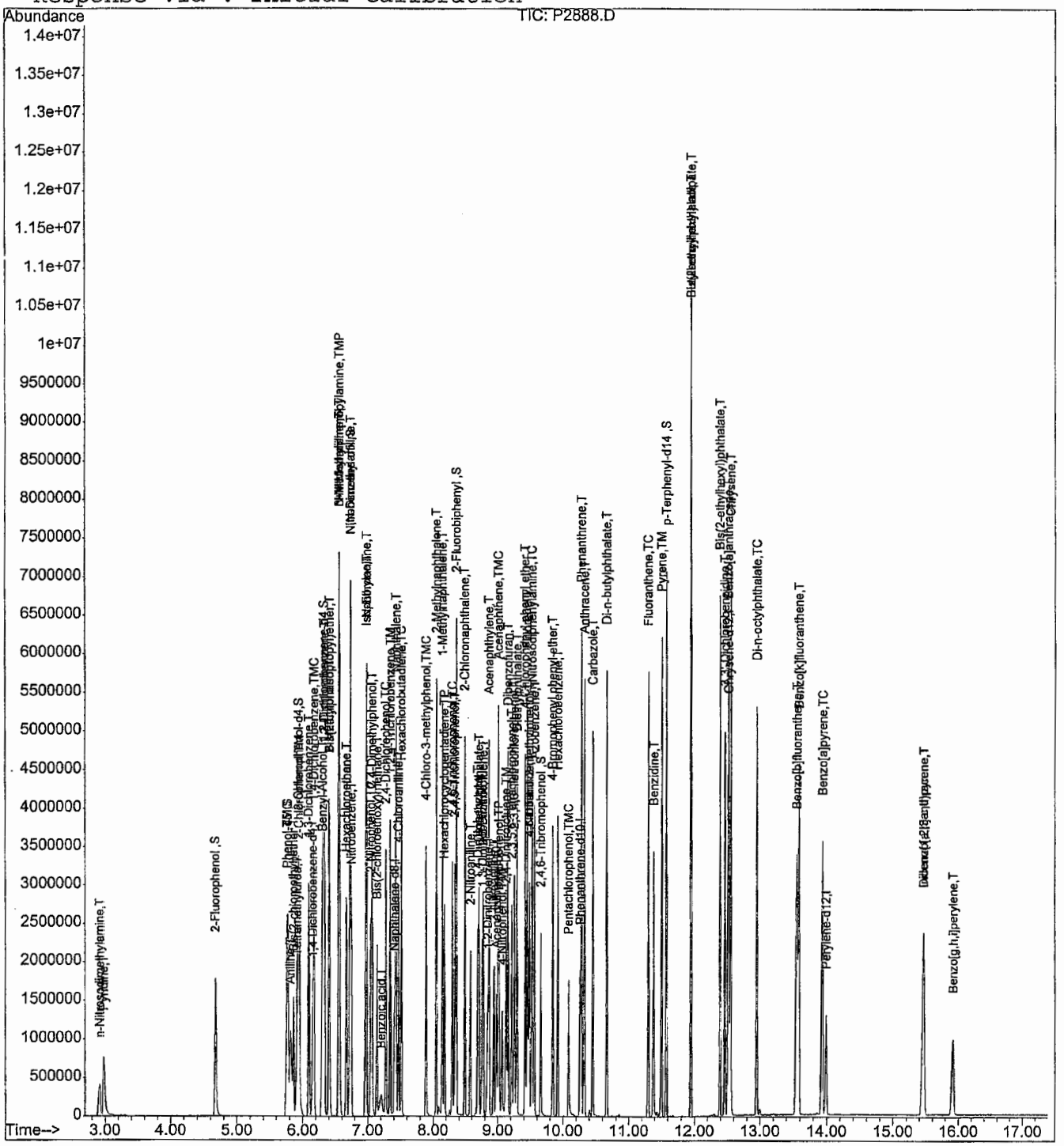
P2888.D 071205S2.M Tue Jul 12 12:57:57 2005

Quantitation Report

Data File : C:\HPCHEM\1\DATA\071205\P2888.D
Acq On : 12 Jul 2005 12:31 pm
Sample : ICALSVSTD120
Misc : ST050712-12
MS Integration Params: rteint.p
Quant Time: Jul 12 12:57 2005

Vial: 10
Operator: JK SOP506
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 071205S2.RES

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 12:55:36 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2889.D Vial: 11
Acq On : 12 Jul 2005 1:04 pm Operator: JK SOP506 Rev
Sample : ICVSVSTD050 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 13:27 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:16:38 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.15	152	189524	40.00 ng/uL	0.00
24) Naphthalene-d8	7.41	136	608225	40.00 ng/uL	0.00
41) Acenaphthene-d10	8.98	164	333516	40.00 ng/uL	0.00
68) Phenanthrene-d10	10.26	188	616276	40.00 ng/uL	0.00
79) Chrysene-d12	12.53	240	650651	40.00 ng/uL	0.00
90) Perylene-d12	14.00	264	544347	40.00 ng/uL	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	0.00	112	0	0.00 ng/uL	
Spiked Amount 75.000	Range 21 - 100		Recovery = 0.00%#		
5) 2-Chlorophenol-d4	0.00	132	0	0.00 ng/uL	
Spiked Amount 75.000	Range 33 - 110		Recovery = 0.00%#		
7) Phenol-d5	5.87	99	1446	0.23 ng/uL	0.11
Spiked Amount 75.000	Range 15 - 104		Recovery = 0.31%#		
14) 1,2-Dichlorobenzene-d4	6.15	152	177130	40.85 ng/uL	-0.17
Spiked Amount 50.000	Range 16 - 110		Recovery = 81.70%		
25) Nitrobenzene-d5	6.67	82	53886	7.32 ng/uL	-0.05
Spiked Amount 50.000	Range 34 - 111		Recovery = 14.64%#		
45) 2-Fluorobiphenyl	8.33	172	195	0.01 ng/uL	-0.03
Spiked Amount 50.000	Range 21 - 106		Recovery = 0.02%#		
67) 2,4,6-Tribromophenol	0.00	330	0	0.00 ng/uL	
Spiked Amount 75.000	Range 23 - 100		Recovery = 0.00%#		
82) p-Terphenyl-d14	11.57	244	218	0.01 ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 0.02%#		

Target Compounds					Qvalue
2) Pyridine	2.98	79	293165	49.04 ng/uL	98
3) n-Nitrosodimethylamine	2.91	74	146192	45.04 ng/uL	99
6) Aniline	5.80	93	390541	52.32 ng/uL	100
8) Phenol	5.76	94	304266	45.77 ng/uL	94
9) Tetramethylurea	5.87	72	492727	49.95 ng/uL	99
10) Bis(2-chloroethyl)ether	5.85	93	254194	51.03 ng/uL	97
11) 2-Chlorophenol	5.94	128	287812	48.54 ng/uL	91
12) 1,3-Dichlorobenzene	6.09	146	370145	53.66 ng/uL	99
13) 1,4-Dichlorobenzene	6.17	146	369933	51.42 ng/ul	99
15) 1,2-Dichlorobenzene	6.33	146	344742	52.03 ng/uL	98
16) Benzyl Alcohol	6.29	108	182008	51.83 ng/uL	94
17) Bis(2-chloroisopropyl)ethe	6.40	45	152403	46.69 ng/uL	93
18) 2-Methylphenol	6.39	107	221107	49.31 ng/uL	99
19) n-Nitroso-di-n-propylamine	6.54	70	238529	50.05 ng/uL	99
20) 3+4-Methylphenol	6.55	108	319188	49.69 ng/uL	98
21) N-Methylaniline	6.54	106	440770	50.85 ng/uL	98

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

gc 7-12-05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2889.D
Acq On : 12 Jul 2005 1:04 pm
Sample : ICVSVSTD050
Misc : ST050712-
MS Integration Params: rteint.p
Quant Time: Jul 12 13:27 2005

Vial: 11
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:16:38 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22)	Hexachloroethane	6.67	117	142888	52.22 ng/uL	97
23)	N,N-Dimethylaniline	6.72	120	434098	48.43 ng/uL	99
26)	Nitrobenzene	6.74	77	489292	49.81 ng/uL	98
27)	Isophorone	6.96	82	572923	55.08 ng/uL	99
28)	N-Ethylaniline	6.97	106	582348	49.92 ng/uL	99
29)	2-Nitrophenol	7.04	139	147576	51.80 ng/uL	100
30)	2,4-Dimethylphenol	7.05	107	336390	55.03 ng/uL	98
31)	Bis(2-chloroethoxy)methane	7.13	93	301561	51.08 ng/uL	100
32)	2,4-Dichlorophenol	7.27	162	245325	49.85 ng/uL	99
33)	Benzoic acid	7.18	105	67108m	40.74 ng/uL	
34)	1,2,4-Trichlorobenzene	7.34	180	328394	52.63 ng/uL	99
35)	Naphthalene	7.43	128	847909	50.51 ng/uL	100
36)	4-Chloroaniline	7.46	127	336790	54.30 ng/uL	99
37)	Hexachlorobutadiene	7.51	225	241127	59.34 ng/uL	97
38)	4-Chloro-3-methylphenol	7.89	107	243070	50.81 ng/uL	99
39)	2-Methylnaphthalene	8.05	142	585149	52.43 ng/uL	99
40)	1-Methylnaphthalene	8.14	142	526393	48.77 ng/uL	99
42)	Hexachlorocyclopentadiene	8.18	237	164560	59.59 ng/uL	99
43)	2,4,6-Trichlorophenol	8.29	196	178602	53.02 ng/uL	99
44)	2,4,5-Trichlorophenol	8.33	196	194548	54.08 ng/uL	98
46)	2-Chloronaphthalene	8.49	162	550939	53.55 ng/uL	99
47)	2-Nitroaniline	8.57	65	151137	54.69 ng/uL	100
48)	1,4-Dinitrobenzene	8.68	168	91525	57.51 ng/uL	95
49)	Dimethylphthalate	8.70	163	551954	51.37 ng/uL	100
50)	1,3-Dinitrobenzene	8.75	168	92745	52.16 ng/uL	96
51)	2,6-Dinitrotoluene	8.77	165	142397	53.25 ng/uL	98
52)	1,2-Dinitrobenzene	8.83	168	61387	52.80 ng/uL	94
53)	Acenaphthylene	8.86	152	810016	52.04 ng/uL	100
54)	3-Nitroaniline	8.93	138	122896	55.15 ng/uL	96
55)	Acenaphthene	9.00	154	535595	52.80 ng/uL	99
56)	2,4-Dinitrophenol	9.01	184	52271m	53.91 ng/uL	
57)	4-Nitrophenol	9.06	109	88590	54.52 ng/uL	99
58)	Dibenzofuran	9.15	168	738526	53.02 ng/uL	100
59)	2,4-Dinitrotoluene	9.12	165	183089	55.06 ng/uL	99
60)	2,3,5,6-Tetrachlorophenol	9.21	232	129683	56.41 ng/uL	99
61)	2,3,4,6-Tetrachlorophenol	9.25	232	149795	54.11 ng/uL	97
62)	Diethylphthalate	9.29	149	540231	51.06 ng/uL	99
63)	Fluorene	9.45	166	573623	50.91 ng/uL	99
64)	4-Chlorophenyl phenyl ethe	9.41	204	288912	49.04 ng/uL	99
65)	4-Nitroaniline	9.46	138	133877	57.61 ng/uL	98
66)	Azobenzene	9.55	77	578895	53.46 ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071205\P2889.D
Acq On : 12 Jul 2005 1:04 pm
Sample : ICVSVSTD050
Misc : ST050712-
MS Integration Params: rteint.p
Quant Time: Jul 12 13:27 2005

Vial: 11
Operator: JK SOP506 Rev
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:16:38 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

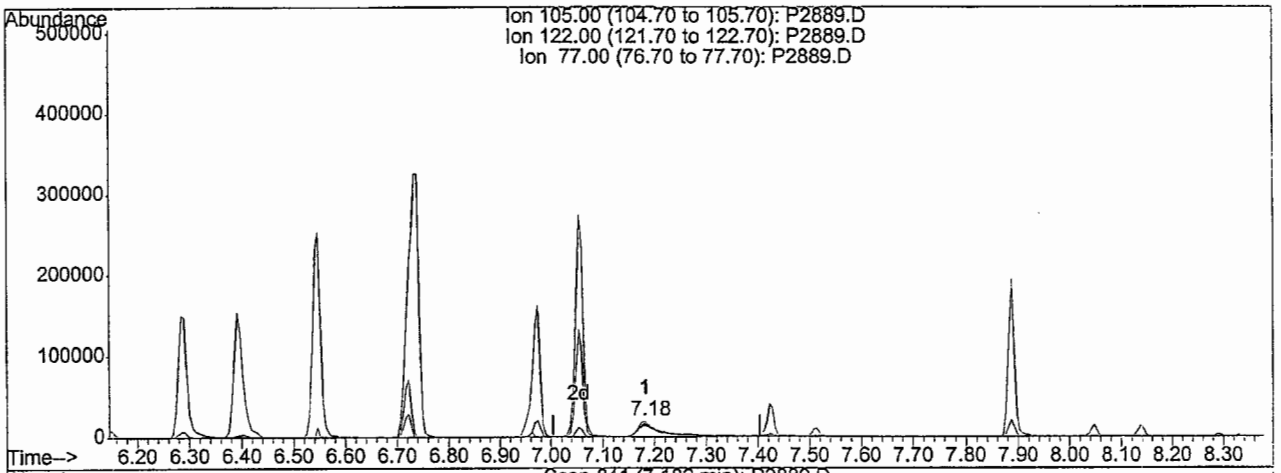
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.47	198	116476	57.86 ng/uL	95
70)	n-Nitrosodiphenylamine	9.52	169	460791	49.82 ng/uL	99
71)	4-Bromophenyl phenyl ether	9.84	248	165758	45.57 ng/uL	99
72)	Hexachlorobenzene	9.92	284	203230	54.49 ng/uL	99
73)	Pentachlorophenol	10.09	266	86552	58.93 ng/uL	99
74)	Phenanthrene	10.28	178	881542	52.23 ng/uL	100
75)	Anthracene	10.32	178	894984	52.89 ng/uL	100
76)	Carbazole	10.45	167	801036	54.96 ng/uL	100
77)	Di-n-butylphthalate	10.66	149	968303	50.90 ng/uL	100
78)	Fluoranthene	11.30	202	1064124	54.68 ng/uL	99
80)	Benzidine	11.38	184	501238	58.39 ng/uL	100
81)	Pyrene	11.50	202	1136341	54.16 ng/uL	99
83)	Butylbenzylphthalate	11.95	149	464495	53.82 ng/uL	98
84)	Bis(2-ethylhexyl) adipate	11.95	129	395283	53.77 ng/uL	97
85)	Benzo[a]anthracene	12.51	228	1086526	51.27 ng/uL	100
86)	3,3'-Dichlorobenzidine	12.46	252	406740	55.03 ng/uL	100
87)	Chrysene	12.55	228	1032993	52.29 ng/uL	99
88)	Bis(2-ethylhexyl)phthalate	12.39	149	640312	52.72 ng/uL	99
89)	Di-n-octylphthalate	12.95	149	1057681	52.04 ng/uL	99
91)	Benzo[b]fluoranthene	13.55	252	1138174	50.36 ng/uL	99
92)	Benzo[k]fluoranthene	13.58	252	983226	47.76 ng/uL	99
93)	Benzo[a]pyrene	13.93	252	1040116	52.64 ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.47	276	875567	56.68 ng/uL	99
95)	Dibenzo[a,h]anthracene	15.46	278	727614	55.07 ng/uL	99
96)	Benzo[g,h,i]perylene	15.92	276	649502	52.71 ng/uL	100

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

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2889.D
Vial: 11
Acq On : 12 Jul 2005 1:04 pm
Operator: JK SOP50
Sample : ICVSVSTD050
Inst : HPSV-2
Misc : ST050712-
Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 13:25 2005
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:16:38 2005
Response via : Multiple Level Calibration



TIC: P2889.D

(33) Benzoic acid (T)

7.18min 39.66ng/uL

response 65332

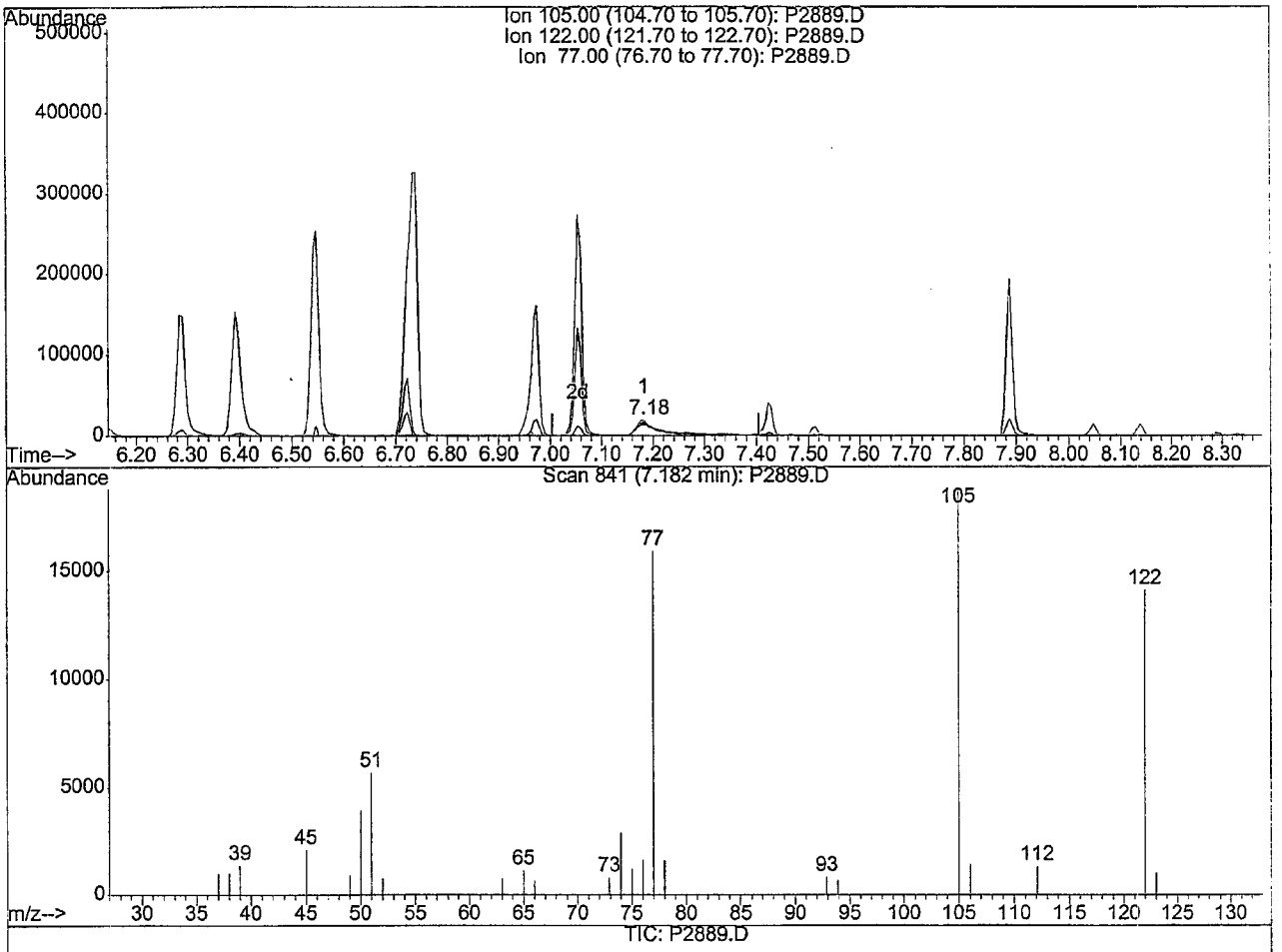
Ion	Exp%	Act%
105.00	100	100
122.00	75.40	73.94
77.00	91.40	89.60
0.00	0.00	0.00

Before

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2889.D
Vial: 11
Acq On : 12 Jul 2005 1:04 pm
Operator: JK SOP50
Sample : ICVSVSTD050
Inst : HPSV-2
Misc : ST050712-
Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 13:26 2005
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:16:38 2005
Response via : Multiple Level Calibration



(33) Benzoic acid (T)

7.18min 40.74ng/uL m

response 67108

Ion	Exp%	Act%
105.00	100	100
122.00	75.40	71.99
77.00	91.40	87.23
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

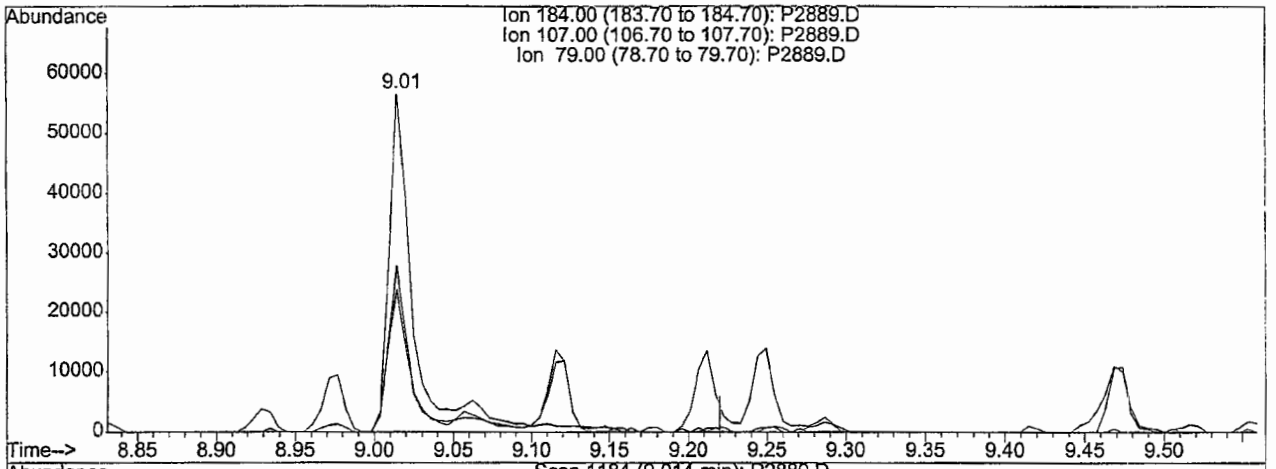
initials JK *date* 7-12-05

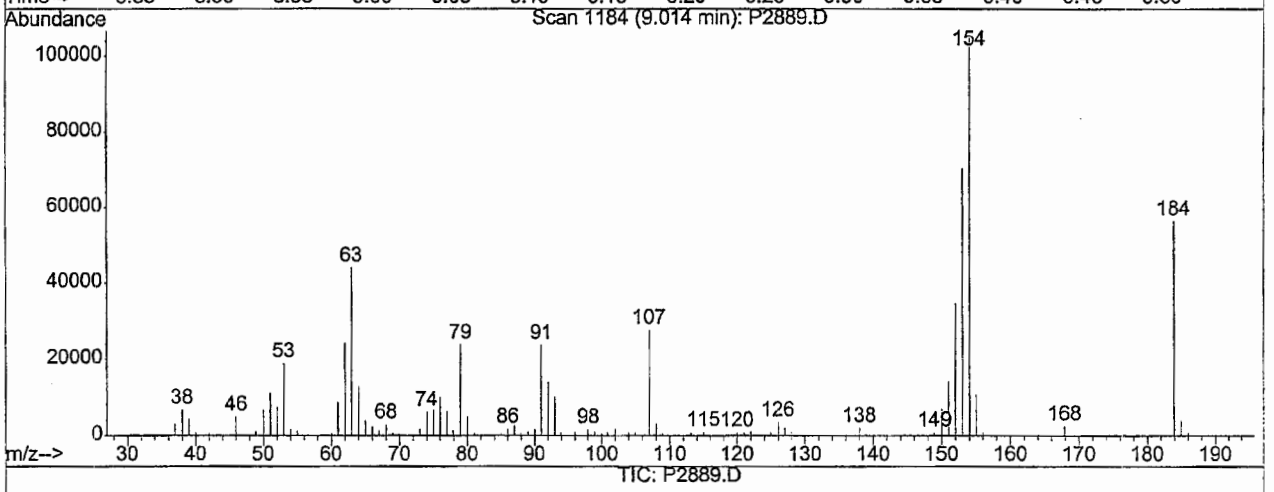
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2889.D
Acq On : 12 Jul 2005 1:04 pm
Sample : ICVSVSTD050
Misc : ST050712-
MS Integration Params: rteint.p
Quant Time: Jul 12 13:26 2005

Vial: 11
Operator: JK SOP50
Inst : HPSV-2
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:16:38 2005
Response via : Multiple Level Calibration





(56) 2,4-Dinitrophenol (TP)

9.01min 65.92ng/uL

response 63912

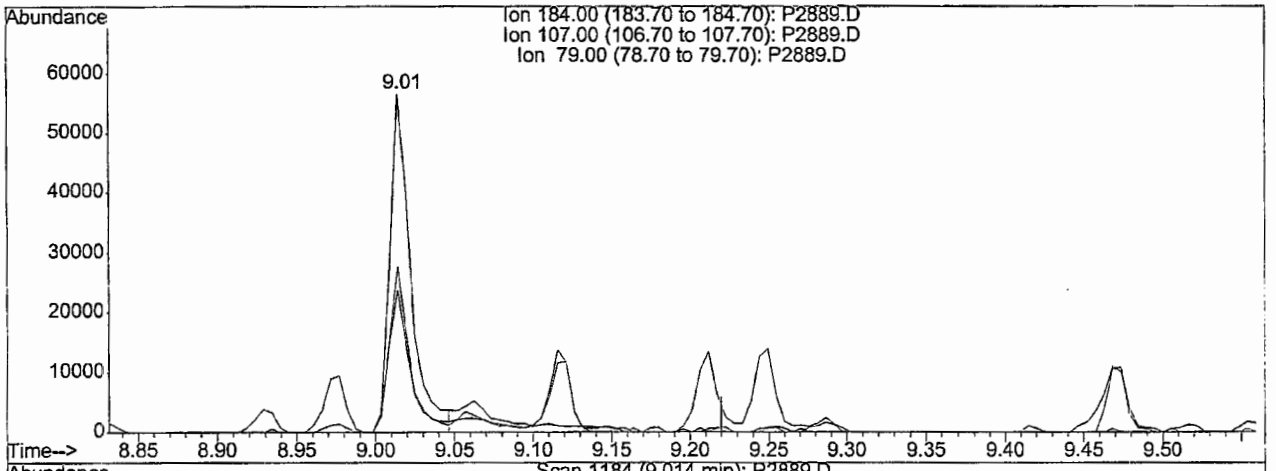
Ion	Exp%	Act%
184.00	100	100
107.00	55.60	46.23
79.00	44.00	35.38
0.00	0.00	0.00

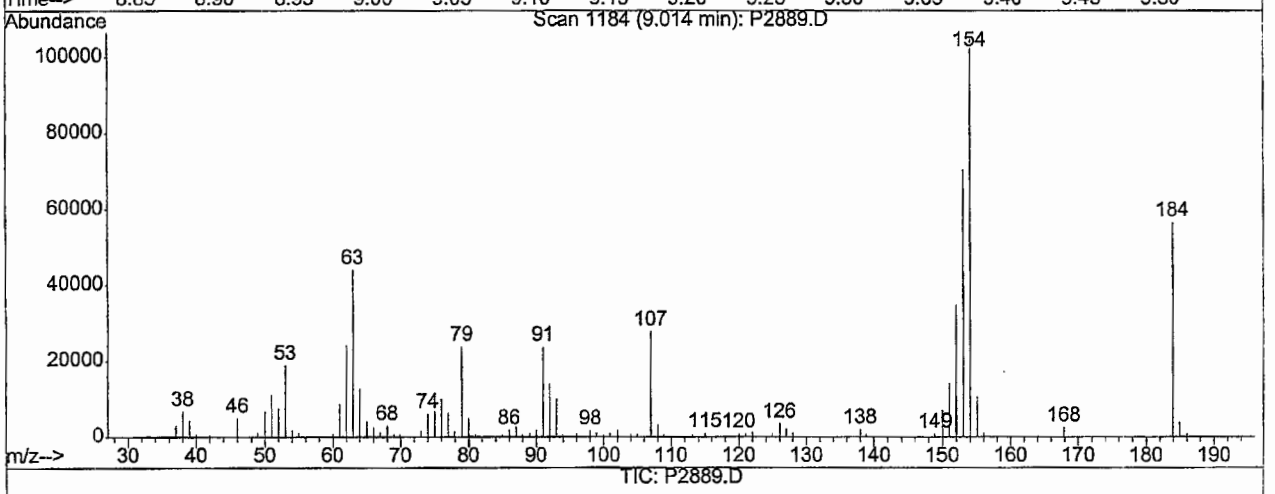
P2889.D 071205S2.M Tue Jul 12 13:27:00 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071205\P2889.D Vial: 11
Acq On : 12 Jul 2005 1:04 pm Operator: JK SOP50
Sample : ICVSVSTD050 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 13:27 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:16:38 2005
Response via : Multiple Level Calibration





TIC: P2889.D

(56) 2,4-Dinitrophenol (TP)

9.01min 53.91ng/uL m

response 52271

Ion	Exp%	Act%
184.00	100	100
107.00	55.60	56.52
79.00	44.00	43.26
0.00	0.00	0.00

MANUAL RE-INTEGRATION

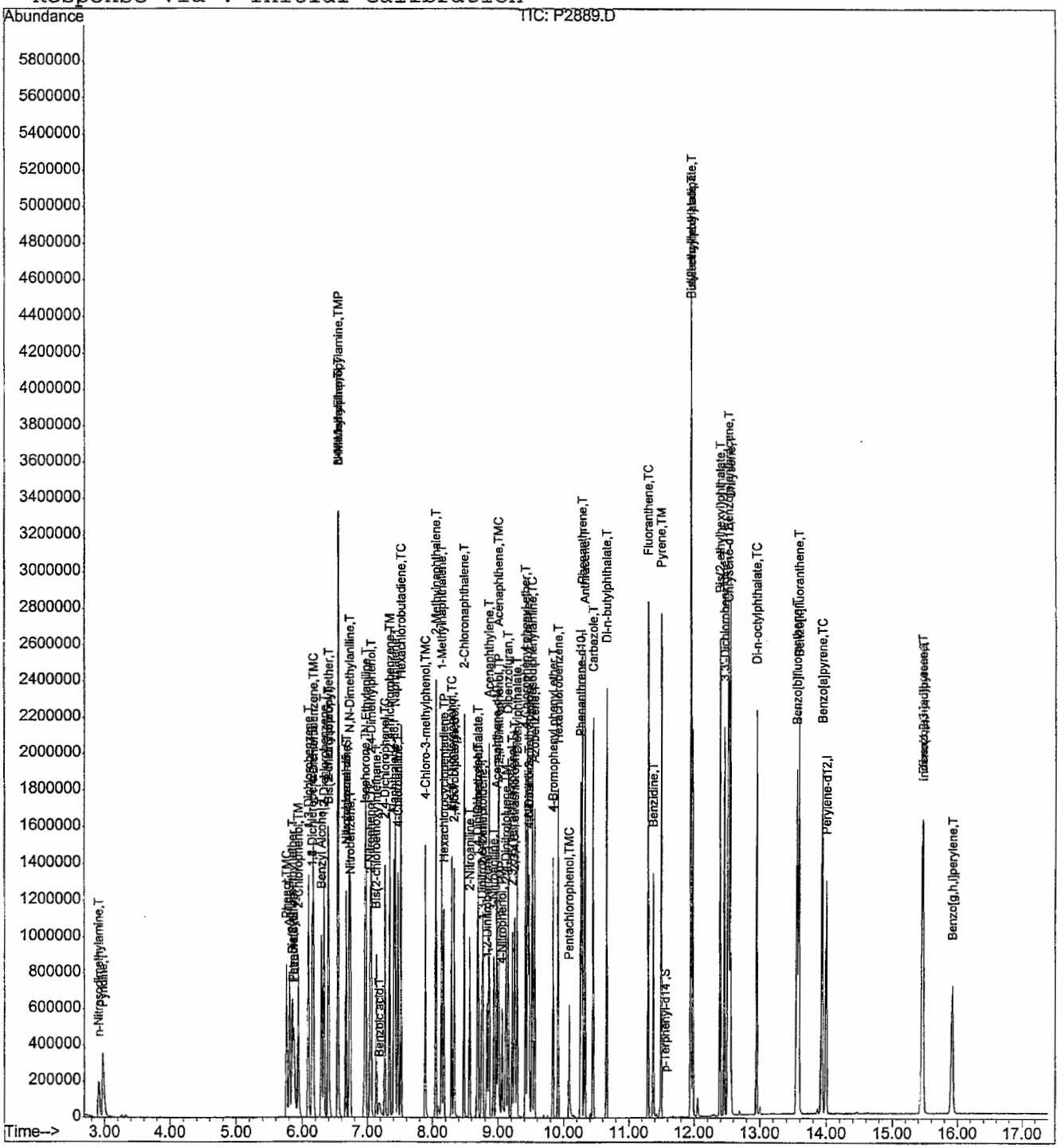
- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-12-05

Quantitation Report

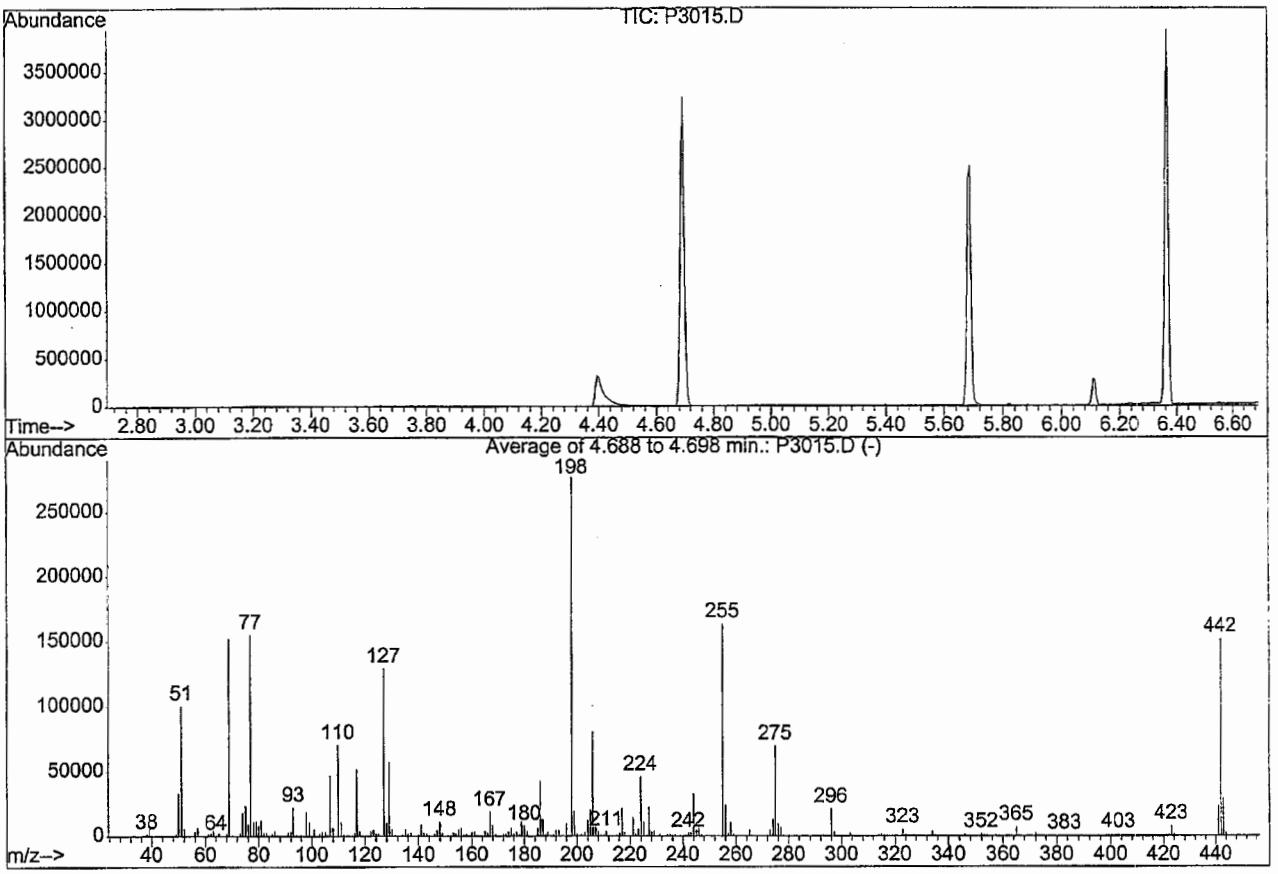
Data File : C:\HPCHEM\1\DATA\071205\P2889.D Vial: 11
Acq On : 12 Jul 2005 1:04 pm Operator: JK SOP506
Sample : ICVSVSTD050 Inst : HPSV-2
Misc : ST050712- Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 12 13:27 2005 Quant Results File: 071205S2.RES

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 12 13:16:38 2005
Response via : Initial Calibration



DFTPP

Data File : C:\HPCHEM\1\DATA\071805\P3015.D Vial: 1
Acq On : 18 Jul 2005 10:24 am Operator: JK SOP50
Sample : 50ppm dftpp + pcp + benzidine + ddt Inst : HPSV-2
Misc : ST050321-4 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\DFTPP10.M (RTE Integrator)
Title : DFTPP



AutoFind: Scans 486, 487, 488; Background Corrected with Scan 480

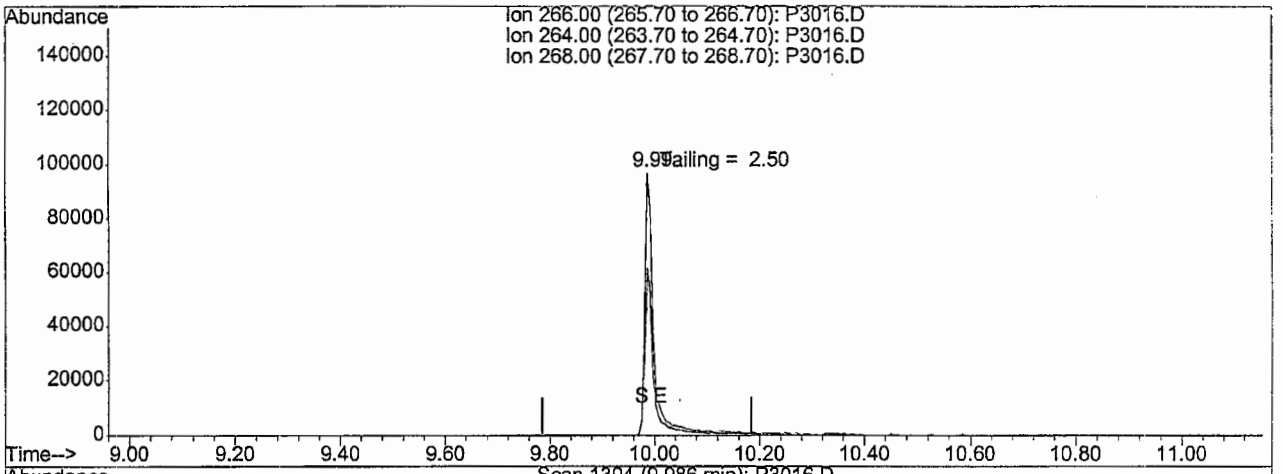
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.4	100893	PASS
68	69	0.00	2	1.5	2229	PASS
69	198	0.00	100	54.8	152045	PASS
70	69	0.00	2	0.5	813	PASS
127	198	40	60	46.6	129309	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	277547	PASS
199	198	5	9	7.0	19399	PASS
275	198	10	30	25.1	69552	PASS
365	198	1	100	2.6	7178	PASS
441	443	0.01	100	80.6	23083	PASS
442	198	40	100	54.7	151696	PASS
443	442	17	23	18.9	28648	PASS

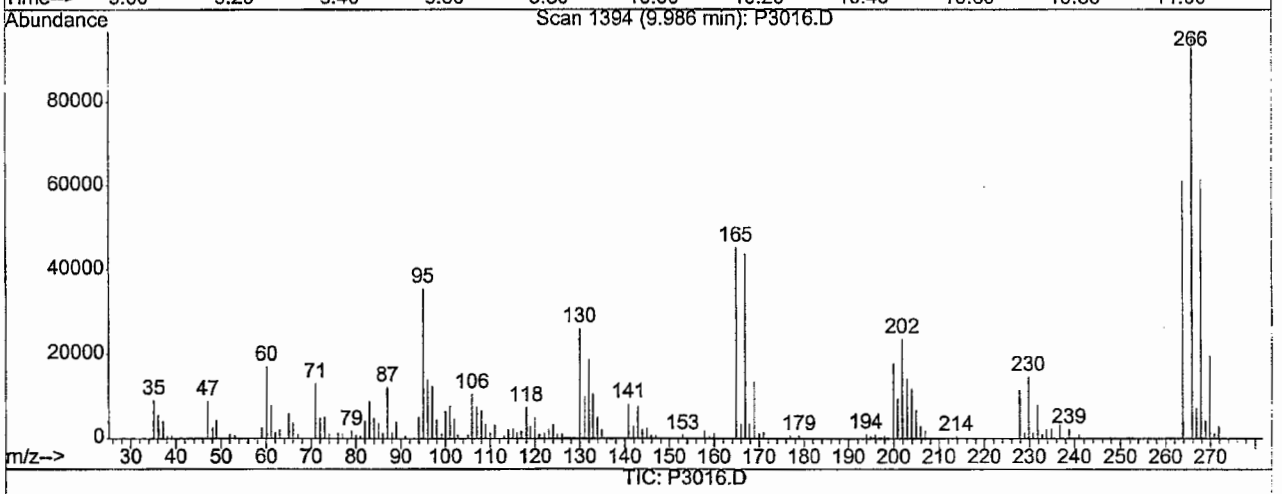
JK 8-05

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP50
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:08 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

9.99min 54.04ng/uL

response 117596

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	62.84
268.00	61.00	63.44
0.00	0.00	0.00

From 60 ppm CCV std.

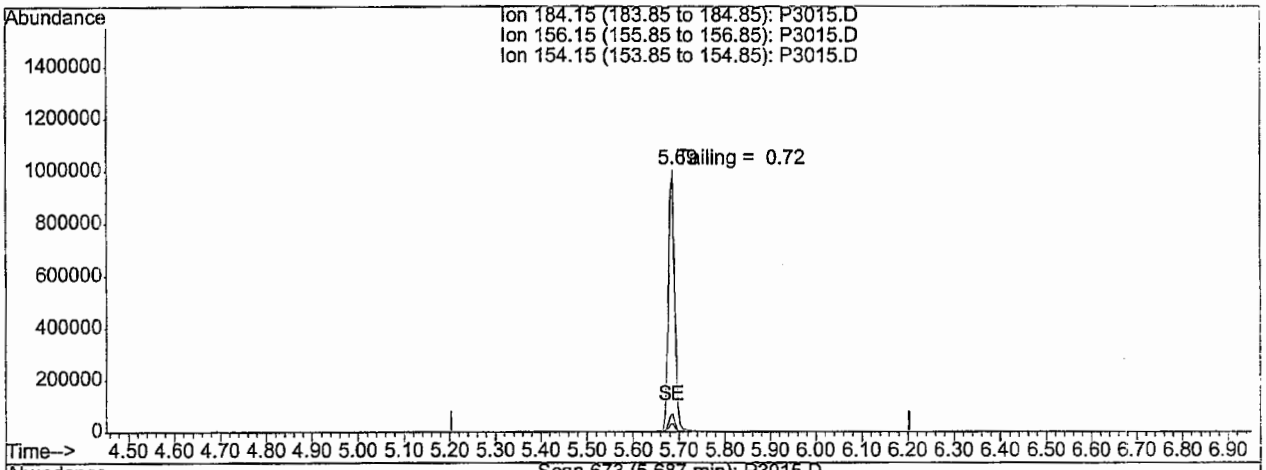
JK 7-19-05

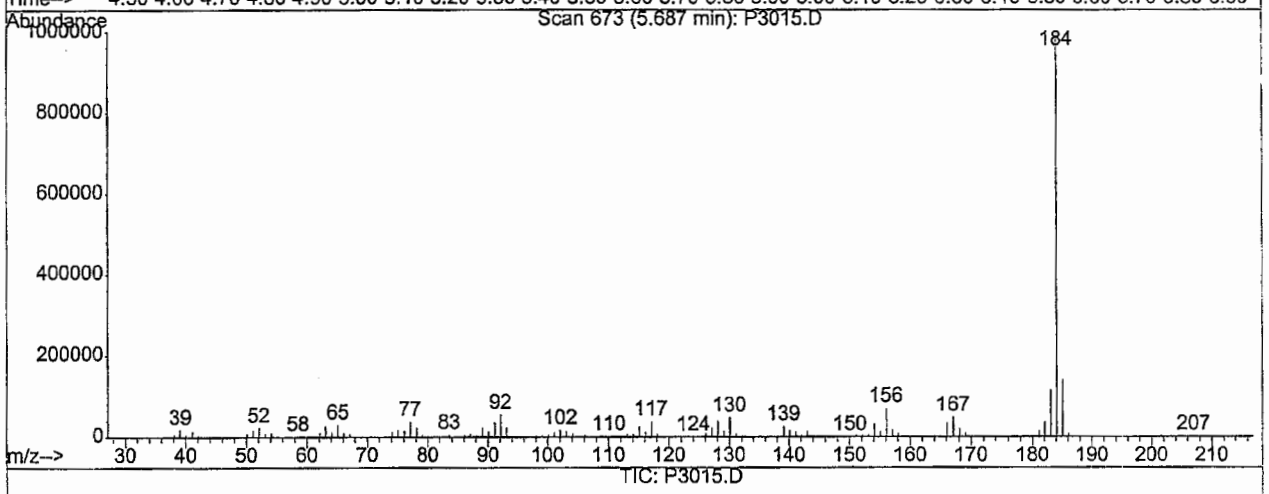
P3016.D 071205S2.M Mon Jul 18 11:09:22 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3015.D Vial: 1
Acq On : 18 Jul 2005 10:24 am Operator: JK SOP50
Sample : 50ppm dftpp + pcp + benzidine + ddt Inst : HPSV-2
Misc : ST050321-4 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:07 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP10.M (RTE Integrator)
Title : DFTPP
Last Update : Sun Jul 17 16:27:47 2005
Response via : Multiple Level Calibration





TIC: P3015.D

(3) Benzidine

5.69min 96.40

response 967829

Ion	Exp%	Act%
184.15	100	100
156.15	6.10	6.79
154.15	2.50	3.17#
0.00	0.00	0.00

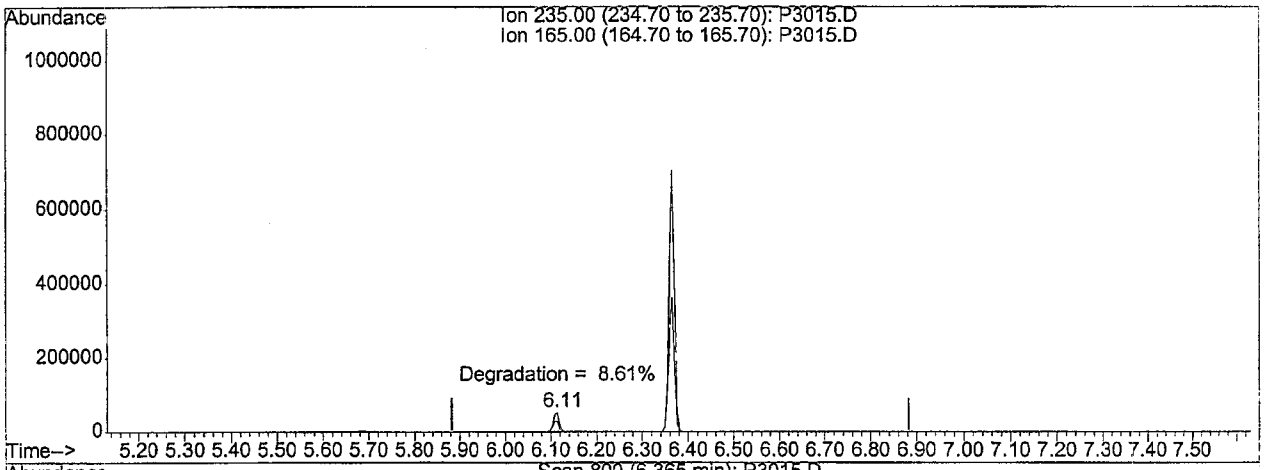
JK 7-19-05

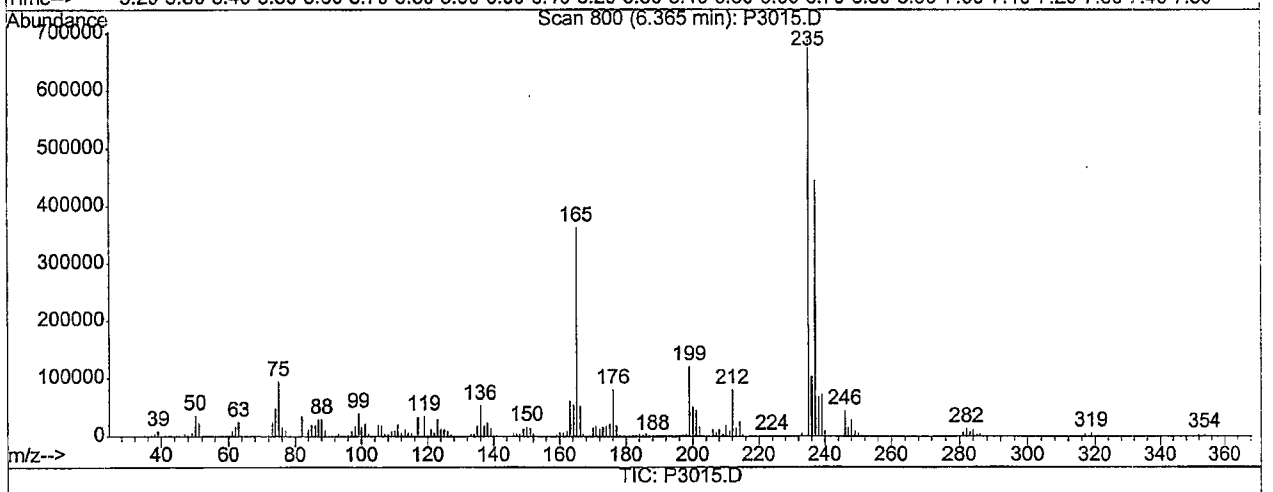
P3015.D DFTPP10.M Mon Jul 18 11:08:12 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3015.D Vial: 1
Acq On : 18 Jul 2005 10:24 am Operator: JK SOP50
Sample : 50ppm dftpp + pcp + benzidine + ddt Inst : HPSV-2
Misc : ST050321-4 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:07 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\DFTPP10.M (RTE Integrator)
Title : DFTPP
Last Update : Sun Jul 17 16:27:47 2005
Response via : Multiple Level Calibration





TIC: P3015.D

(4) DDT

6.37min 140.8350

response 558560

Ion	Exp%	Act%
235.00	100	100
165.00	49.60	53.04
0.00	0.00	0.00
0.00	0.00	0.00

JK 7-19-05

P3015.D DFTPP10.M Mon Jul 18 11:08:22 2005

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP506 Rev
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:11 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.03	152	273791	40.00	ng/uL	0.00
24) Naphthalene-d8	7.29	136	878101	40.00	ng/uL	0.00
41) Acenaphthene-d10	8.87	164	514830	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.16	188	938113	40.00	ng/uL	0.00
79) Chrysene-d12	12.42	240	1070527	40.00	ng/uL	0.00
90) Perylene-d12	13.84	264	773955	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.53	112	428636	51.72	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 68.96%			
5) 2-Chlorophenol-d4	5.80	132	459487	53.61	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 71.48%			
7) Phenol-d5	5.64	99	531000	58.75	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 78.33%			
14) 1,2-Dichlorobenzene-d4	6.19	152	366176	58.45	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 116.90%#			
25) Nitrobenzene-d5	6.60	82	658665	61.99	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 123.98%#			
45) 2-Fluorobiphenyl	8.25	172	1151720	56.51	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 113.02%#			
67) 2,4,6-Tribromophenol	9.55	330	131967	57.63	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 76.84%			
82) p-Terphenyl-d14	11.47	244	1356607	56.33	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 112.66%#			

Target Compounds						Qvalue
2) Pyridine	2.76	79	500837m	57.99	ng/uL	
3) n-Nitrosodimethylamine	2.70	74	285301m	60.84	ng/uL	
6) Aniline	5.68	93	605662	56.17	ng/uL	97
8) Phenol	5.65	94	584086m	60.81	ng/uL	
9) Tetramethylurea	5.76	72	901134	63.23	ng/uL	97
10) Bis(2-chloroethyl)ether	5.73	93	450449	62.60	ng/uL	98
11) 2-Chlorophenol	5.82	128	501046	58.49	ng/uL	98
12) 1,3-Dichlorobenzene	5.96	146	578190	58.02	ng/uL	100
13) 1,4-Dichlorobenzene	6.04	146	602542	57.98	ng/ul	99
15) 1,2-Dichlorobenzene	6.21	146	561600	58.67	ng/uL	100
16) Benzyl Alcohol	6.18	108	316216	62.33	ng/uL	97
17) Bis(2-chloroisopropyl)ethe	6.28	45	321652	68.21	ng/uL	91
18) 2-Methylphenol	6.28	107	413798	63.88	ng/uL	99
19) n-Nitroso-di-n-propylamine	6.43	70	453651	65.90	ng/uL	98
20) 3+4-Methylphenol	6.44	108	561245	60.48	ng/uL	96
21) N-Methylaniline	6.43	106	786098	62.77	ng/uL	98

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

gc 7-19-05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP506 Rev
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:11 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.55	117	242876	61.45 ng/uL	96
23) N,N-Dimethylaniline	6.61	120	803733	62.06 ng/uL	97
26) Nitrobenzene	6.63	77	924030	65.15 ng/uL	97
27) Isophorone	6.84	82	954681	63.58 ng/uL	98
28) N-Ethylaniline	6.87	106	1012026	60.09 ng/uL	99
29) 2-Nitrophenol	6.93	139	253207	61.57 ng/uL	93
30) 2,4-Dimethylphenol	6.95	107	550500	62.38 ng/uL	97
31) Bis(2-chloroethoxy)methane	7.03	93	532458	62.48 ng/uL	99
32) 2,4-Dichlorophenol	7.16	162	452607	63.71 ng/uL	100
33) Benzoic acid	7.09	105	115496	48.56 ng/uL	96
34) 1,2,4-Trichlorobenzene	7.23	180	525773	58.37 ng/uL	97
35) Naphthalene	7.31	128	1460215	60.26 ng/uL	100
36) 4-Chloroaniline	7.36	127	517967	57.84 ng/uL	97
37) Hexachlorobutadiene	7.41	225	341424	58.20 ng/uL	98
38) 4-Chloro-3-methylphenol	7.79	107	447428	64.78 ng/uL	100
39) 2-Methylnaphthalene	7.94	142	1019426	63.27 ng/uL	96
40) 1-Methylnaphthalene	8.04	142	992411	63.69 ng/uL	97
42) Hexachlorocyclopentadiene	8.07	237	225274	52.85 ng/uL	99
43) 2,4,6-Trichlorophenol	8.19	196	327554	62.99 ng/uL	97
44) 2,4,5-Trichlorophenol	8.23	196	355041	63.93 ng/uL	96
46) 2-Chloronaphthalene	8.38	162	979895	61.70 ng/uL	98
47) 2-Nitroaniline	8.47	65	297518	69.74 ng/uL	89
48) 1,4-Dinitrobenzene	8.59	168	156573	63.73 ng/uL	89
49) Dimethylphthalate	8.60	163	1001213	60.36 ng/uL	99
50) 1,3-Dinitrobenzene	8.66	168	166460	60.64 ng/uL	91
51) 2,6-Dinitrotoluene	8.67	165	239480	58.01 ng/uL	89
52) 1,2-Dinitrobenzene	8.74	168	104196	58.06 ng/uL#	68
53) Acenaphthylene	8.76	152	1519740	63.24 ng/uL	99
54) 3-Nitroaniline	8.83	138	207215	60.24 ng/uL	92
55) Acenaphthene	8.90	154	955182	61.00 ng/uL	95
56) 2,4-Dinitrophenol	8.92	184	85127	56.88 ng/uL	94
57) 4-Nitrophenol	8.97	109	158328	63.13 ng/uL	93
58) Dibenzofuran	9.05	168	1299816	60.45 ng/uL	97
59) 2,4-Dinitrotoluene	9.02	165	307962	59.99 ng/uL	90
60) 2,3,5,6-Tetrachlorophenol	9.11	232	234054	65.96 ng/uL	98
61) 2,3,4,6-Tetrachlorophenol	9.15	232	272759	63.83 ng/uL	98
62) Diethylphthalate	9.19	149	1023523	62.67 ng/uL	99
63) Fluorene	9.34	166	1064427	61.20 ng/uL	99
64) 4-Chlorophenyl phenyl ethe	9.32	204	561920	61.79 ng/uL	97
65) 4-Nitroaniline	9.37	138	230762	64.33 ng/uL	88
66) Azobenzene	9.46	77	1123025	67.19 ng/uL	96

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

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP506 Rev
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:11 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

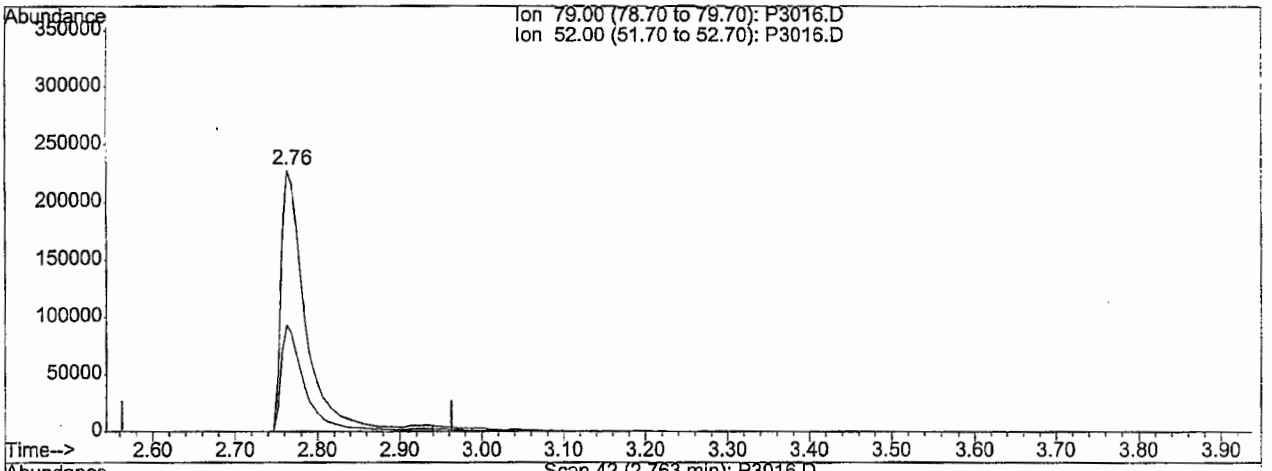
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69) 4,6-Dinitro-2-methylphenol	9.38	198	199910	65.23 ng/uL	95
70) n-Nitrosodiphenylamine	9.42	169	884785	62.85 ng/uL	100
71) 4-Bromophenyl phenyl ether	9.74	248	326479	58.96 ng/uL	94
72) Hexachlorobenzene	9.81	284	337821	59.50 ng/uL	96
73) Pentachlorophenol	9.99	266	126908m	57.25 ng/uL	
74) Phenanthrene	10.18	178	1639663	63.82 ng/uL	100
75) Anthracene	10.22	178	1648745	64.01 ng/uL	99
76) Carbazole	10.35	167	1438720	64.85 ng/uL	99
77) Di-n-butylphthalate	10.56	149	1865099	64.41 ng/uL	99
78) Fluoranthene	11.19	202	1891646	63.85 ng/uL	99
80) Benzidine	11.28	184	909195	64.38 ng/uL	99
81) Pyrene	11.40	202	2075981	60.14 ng/uL	99
83) Butylbenzylphthalate	11.84	149	927181	65.29 ng/uL	99
84) Bis(2-ethylhexyl) adipate	11.86	129	798070	65.98 ng/uL	97
85) Benzo[a]anthracene	12.41	228	2085719	59.82 ng/uL	99
86) 3,3'-Dichlorobenzidine	12.36	252	724535	59.58 ng/uL	99
87) Chrysene	12.44	228	1930109	59.39 ng/uL	100
88) Bis(2-ethylhexyl)phthalate	12.29	149	1242695	62.19 ng/uL	97
89) Di-n-octylphthalate	12.84	149	2009856	60.10 ng/uL	97
91) Benzo[b]fluoranthene	13.41	252	1900857	59.15 ng/uL	100
92) Benzo[k]fluoranthene	13.44	252	1810305	61.85 ng/uL	99
93) Benzo[a]pyrene	13.78	252	1703171	60.62 ng/uL	100
94) Indeno(1,2,3-c,d)pyrene	15.25	276	1145229	52.14 ng/uL	99
95) Dibenzo[a,h]anthracene	15.24	278	1035901	55.14 ng/uL	99
96) Benzo[g,h,i]perylene	15.68	276	853248	48.71 ng/uL	99

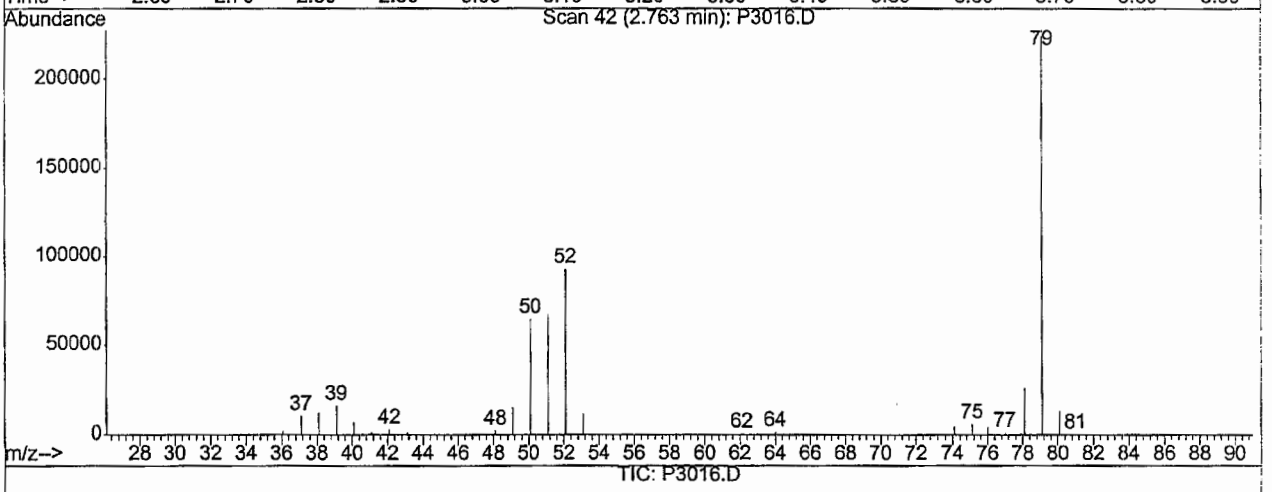
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP50
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:08 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.76min 55.09ng/uL

response 475808

Ion	Exp%	Act%
79.00	100	100
52.00	38.00	39.83
0.00	0.00	0.00
0.00	0.00	0.00

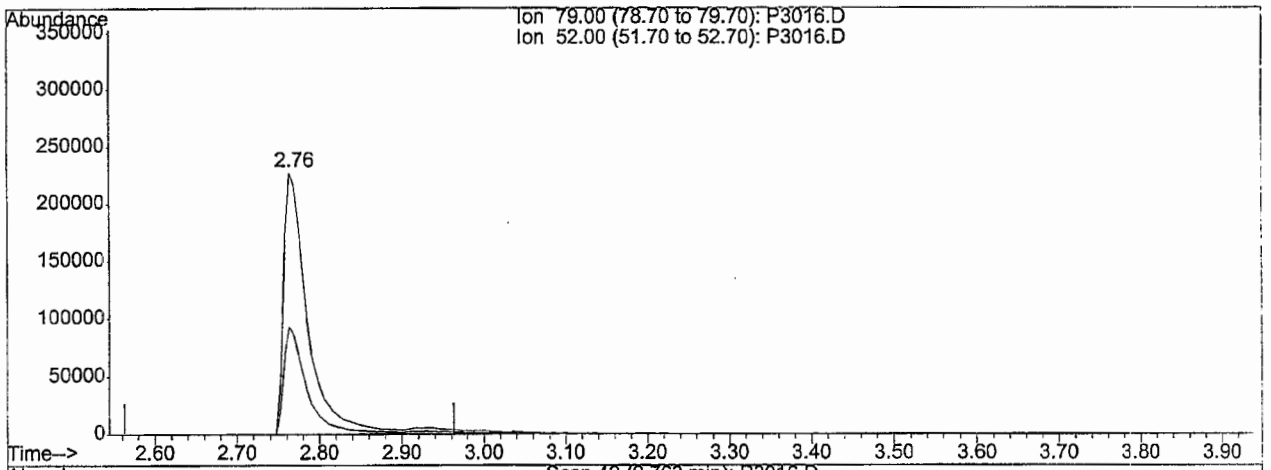
before

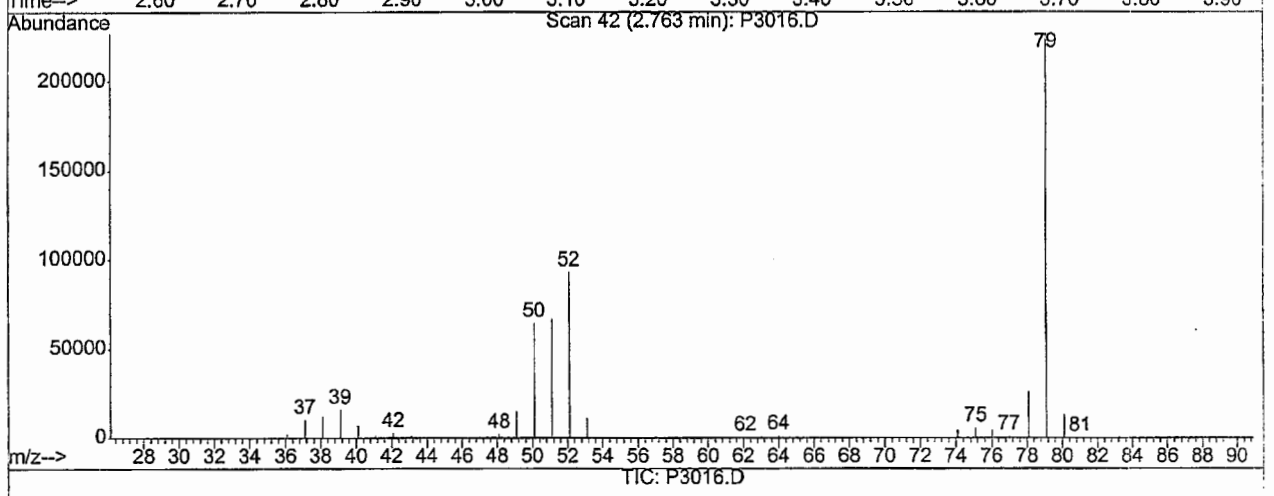
P3016.D 071205S2.M Mon Jul 18 11:09:40 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP50
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:10 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Multiple Level Calibration





(2) Pyridine (T)

2.76min 57.99ng/uL m

response 500837

Ion	Exp%	Act%
79.00	100	100
52.00	38.00	37.84
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

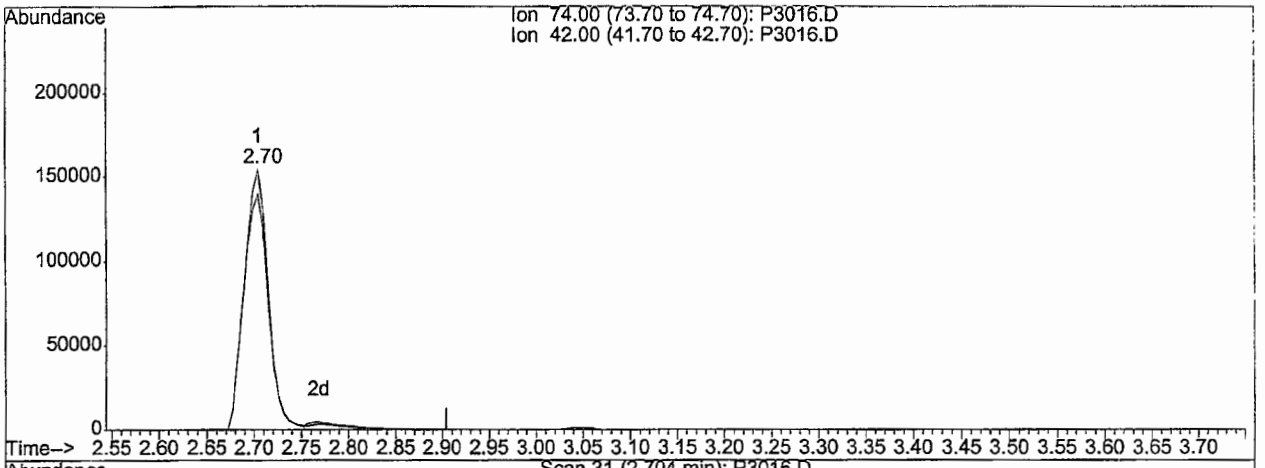
initials JM *date* 7-17-05

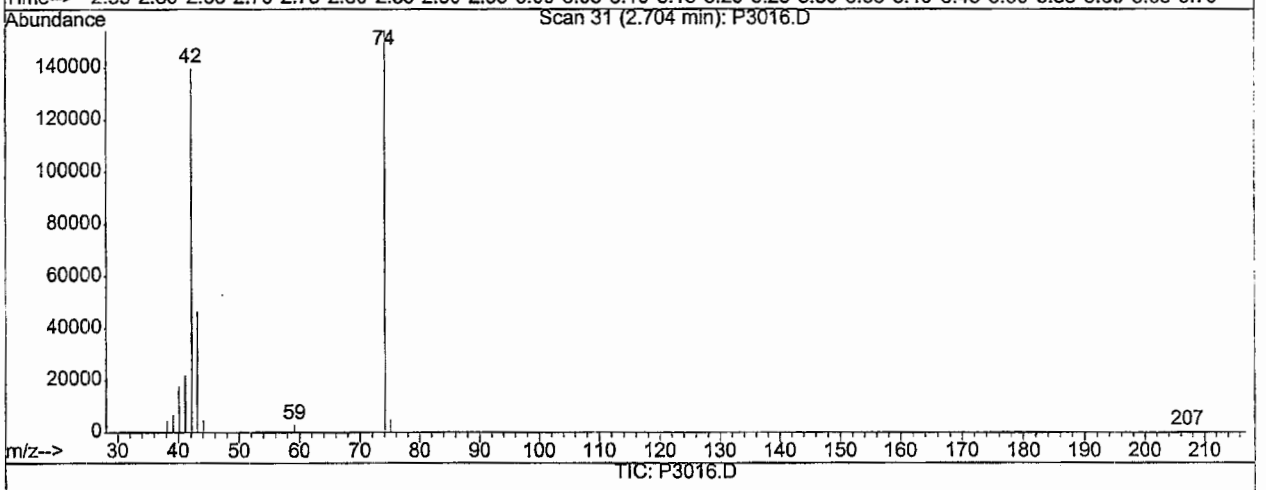
P3016.D 071205S2.M Mon Jul 18 11:10:17 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP50
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:10 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Multiple Level Calibration





TIC: P3016.D

(3) n-Nitrosodimethylamine (T)

2.70min 57.91ng/uL

response 271563

Ion	Exp%	Act%
74.00	100	100
42.00	87.20	96.81
0.00	0.00	0.00
0.00	0.00	0.00

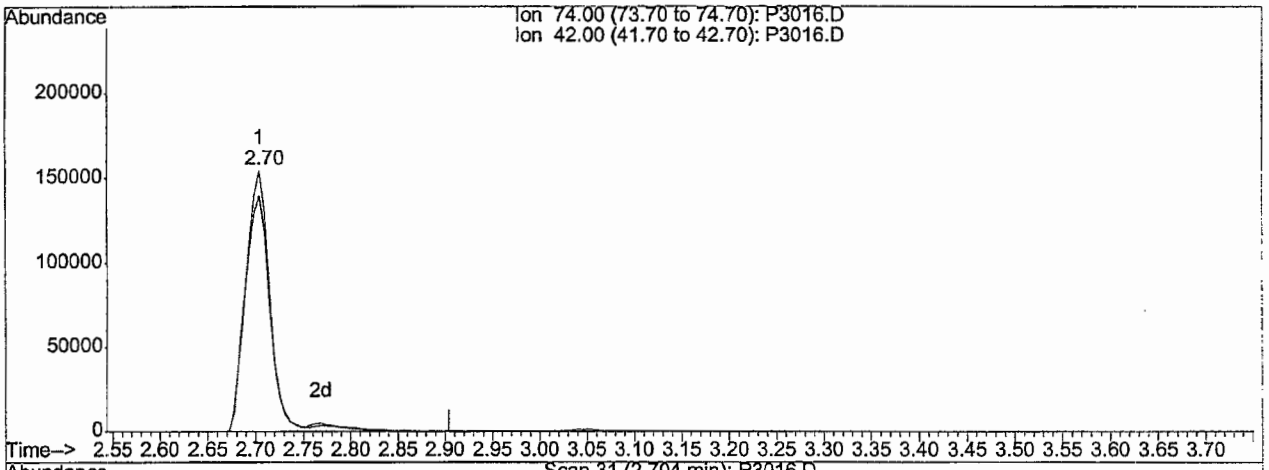
Before

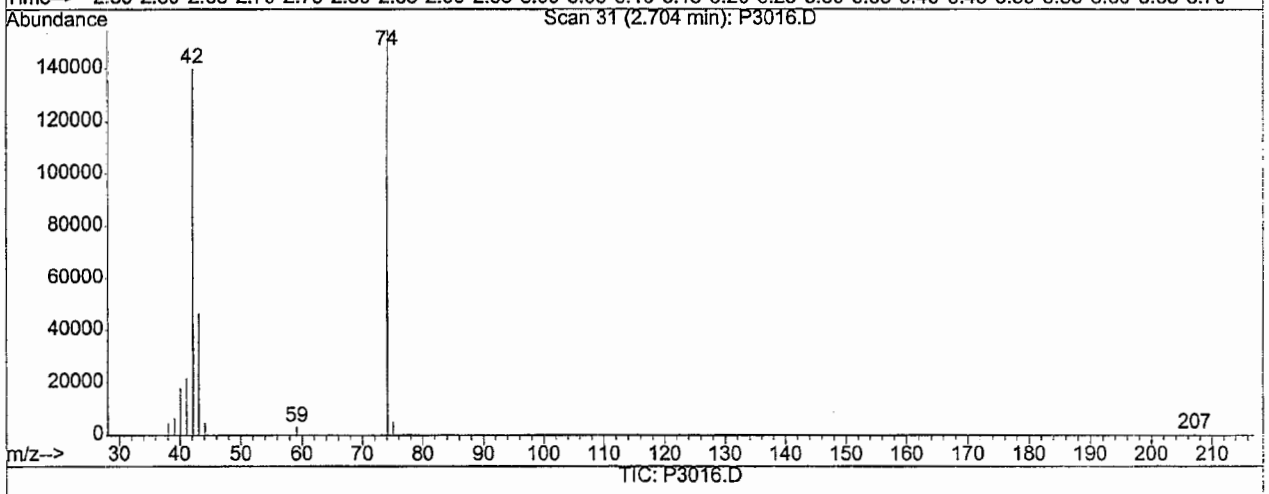
P3016.D 071205S2.M Mon Jul 18 11:10:22 2005

Quantitation Report (QedIt)

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP50
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:10 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Multiple Level Calibration





TIC: P3016.D

(3) n-Nitrosodimethylamine (T)

2.70min 60.84ng/uL m

response 285301

Ion	Exp%	Act%
74.00	100	100
42.00	87.20	92.15
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

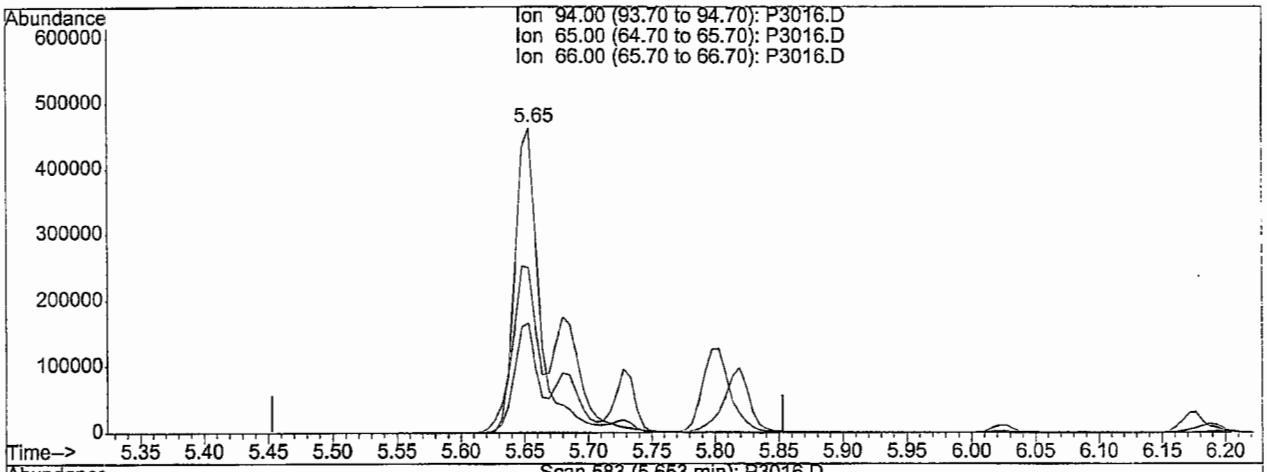
initials JL *date* 7-19-05

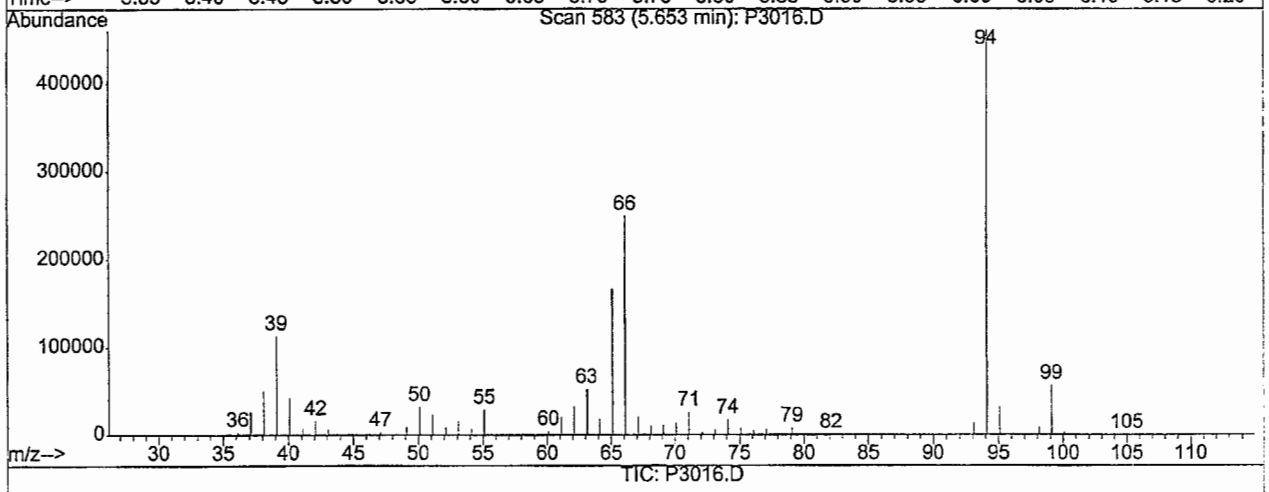
P3016.D 071205S2.M Mon Jul 18 11:10:26 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP50
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:10 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Multiple Level Calibration





TIC: P3016.D

(8) Phenol (TMC)

5.65min 67.27ng/uL

response 646126

Ion	Exp%	Act%
94.00	100	100
65.00	33.70	33.84
66.00	59.00	56.78
0.00	0.00	0.00

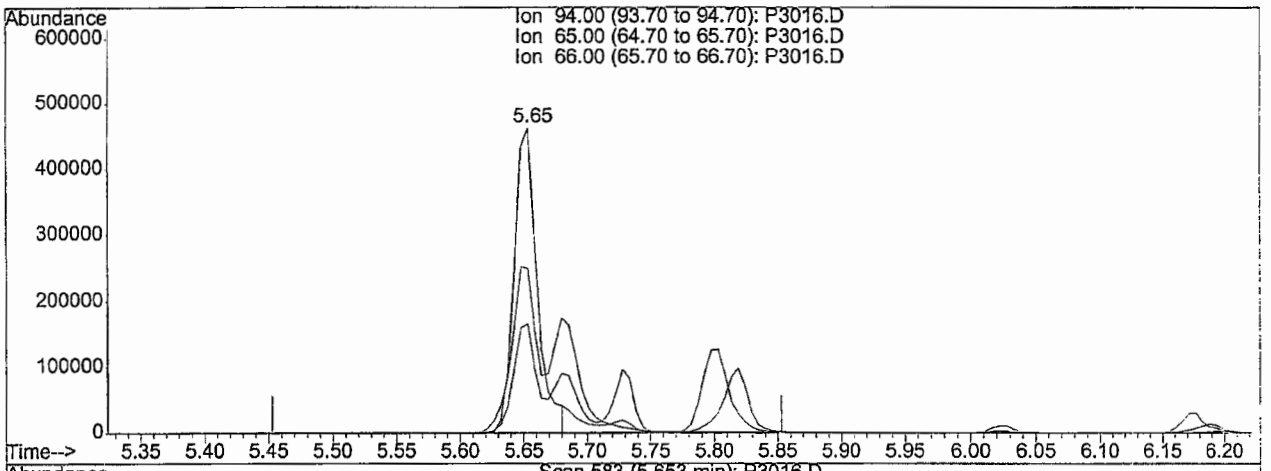
Before

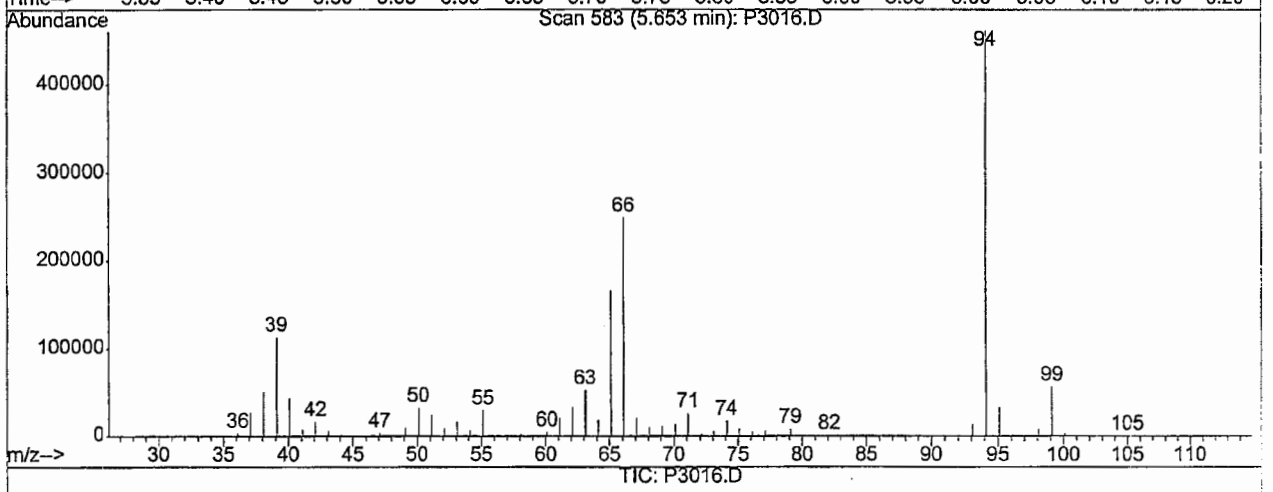
P3016.D 071205S2.M Mon Jul 18 11:10:38 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP50
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:10 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Multiple Level Calibration





TIC: P3016.D

(8) Phenol (TMC)

5.65min 60.81ng/uL m

response 584086

Ion	Exp%	Act%
94.00	100	100
65.00	33.70	37.44
66.00	59.00	62.82
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

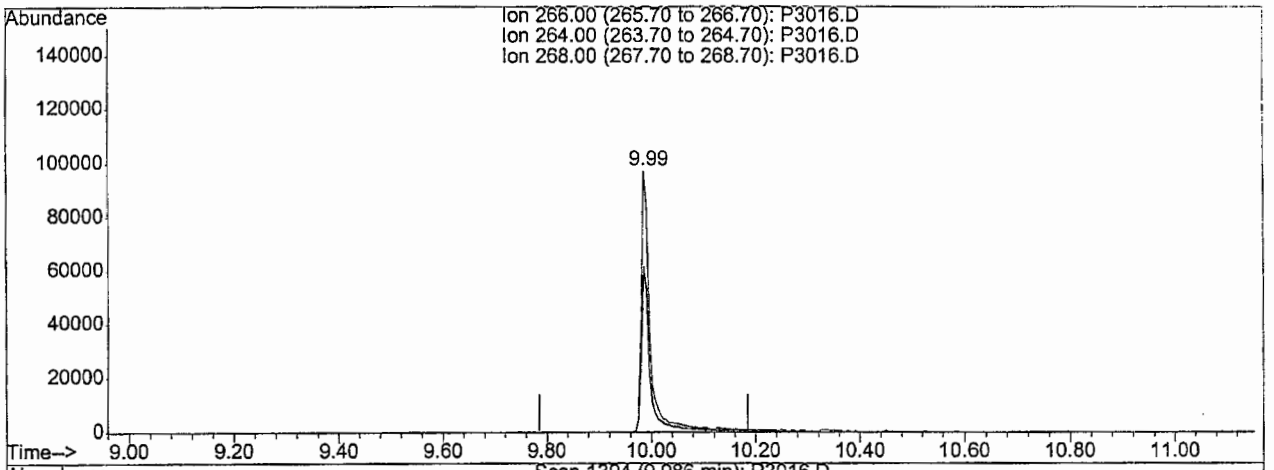
initials JK *date* 7-19-05

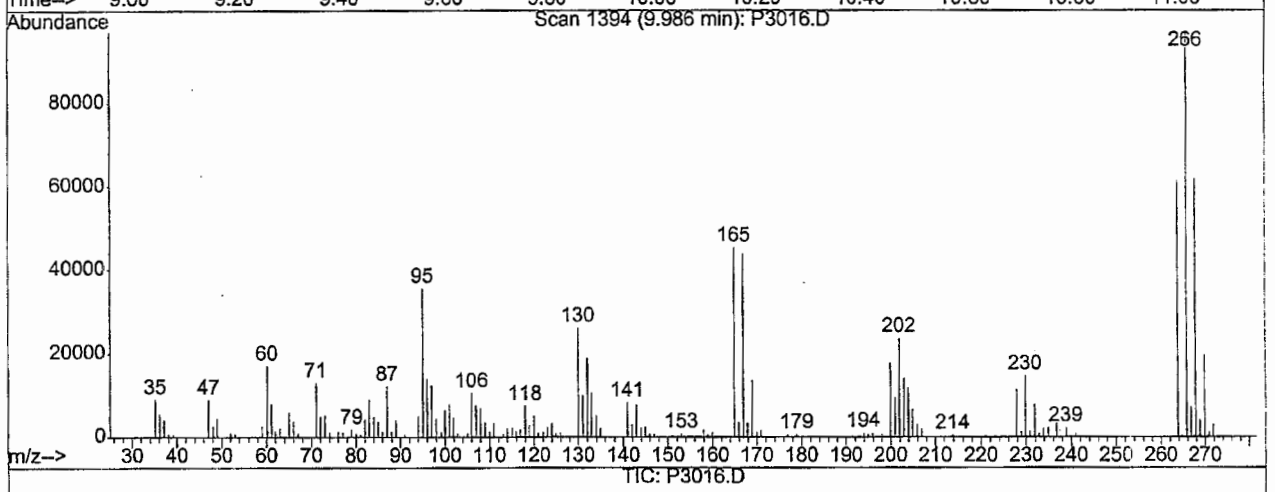
P3016.D 071205S2.M Mon Jul 18 11:10:44 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP50
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:10 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

9.99min 54.04ng/uL

response 117596

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	62.84
268.00	61.00	63.44
0.00	0.00	0.00

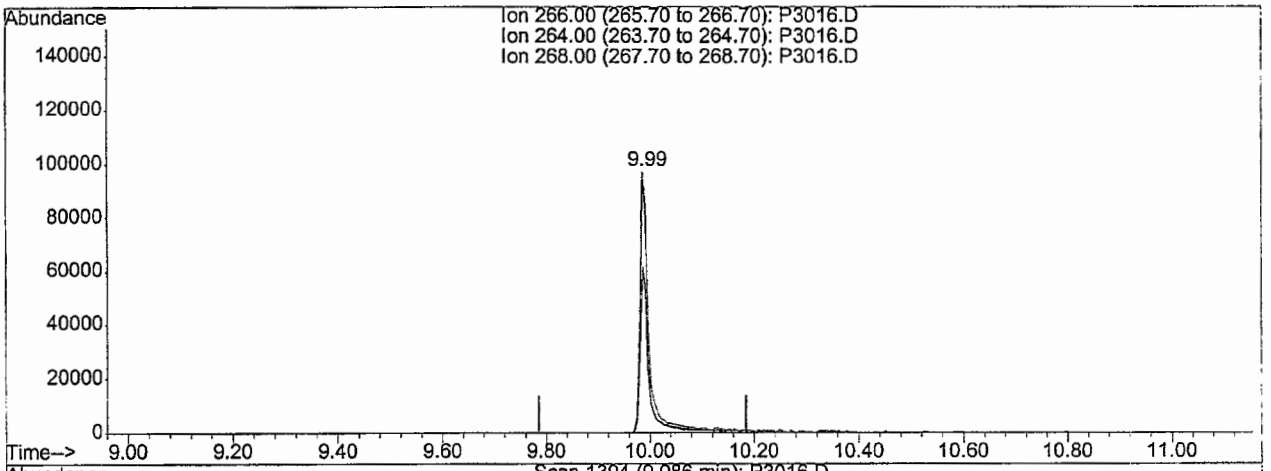
Before

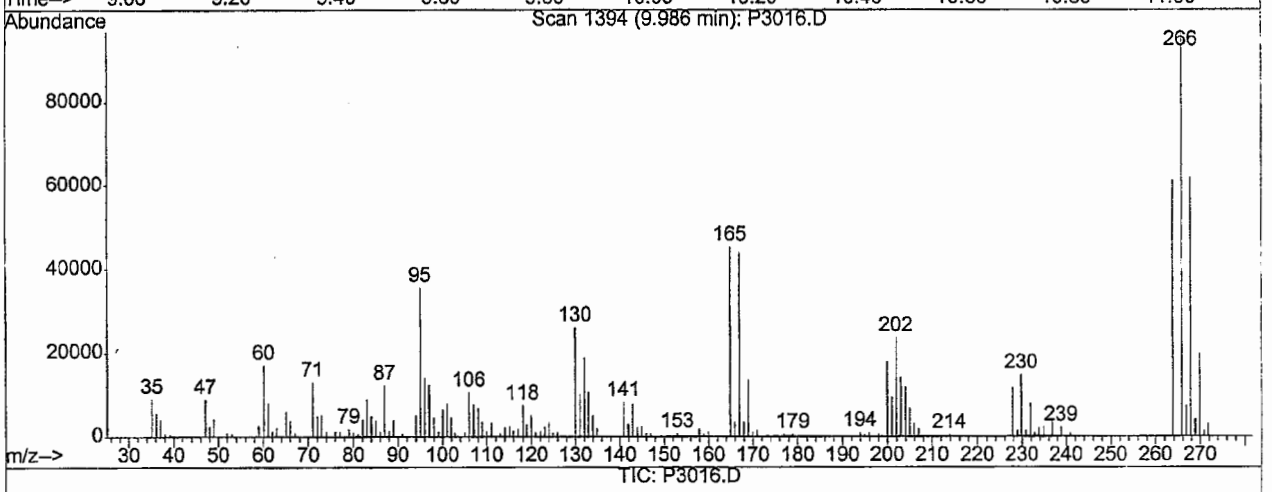
P3016.D 071205S2.M Mon Jul 18 11:11:35 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP50
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:11 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Multiple Level Calibration





(73) Pentachlorophenol (TMC)

9.99min 57.25ng/uL m

response 126908

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	58.23
268.00	61.00	58.79
0.00	0.00	0.00

MANUAL RE-INTEGRATION

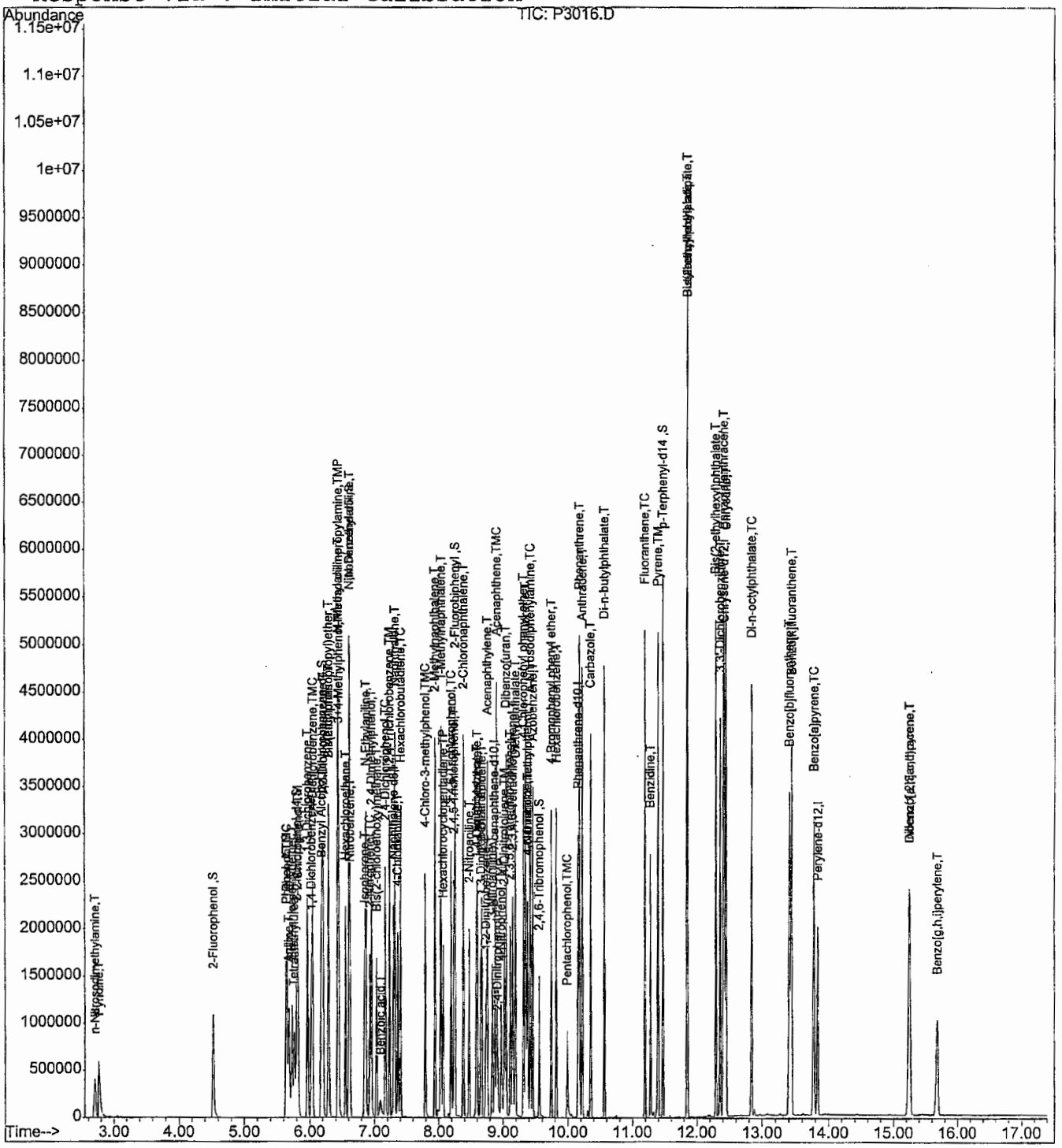
- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JL *date* 7-19-05

P3016.D 071205S2.M Mon Jul 18 11:11:41 2005

Data File : C:\HPCHEM\1\DATA\071805\P3016.D Vial: 2
Acq On : 18 Jul 2005 10:39 am Operator: JK SOP506
Sample : CCVSVSTD060 Inst : HPSV-2
Misc : ST050712-9 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:11 2005 Quant Results File: 071205S2.RES

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Initial Calibration



Sample Raw Data

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6064.D
Acq On : 1 Jul 2005 11:49 am
Sample : EX050628-8MB
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:08 2005

Vial: 3
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.27	152	418054	40.00	ng/uL	0.00
23) Naphthalene-d8	7.51	136	1464828	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.07	164	821370	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.36	188	1182321	40.00	ng/uL	0.00
79) Chrysene-d12	12.76	240	994513	40.00	ng/uL	0.00
90) Perylene-d12	14.26	264	726442	40.00	ng/uL	0.00

System Monitoring Compounds

4) 2-Fluorophenol	4.74	112	725884	54.68	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 72.91%			
5) 2-Chlorophenol-d4	6.03	132	838301	54.46	ng/uL	-0.01
Spiked Amount 75.000	Range 33 - 110		Recovery = 72.61%			
7) Phenol-d5	5.85	99	798468	55.29	ng/uL	-0.01
Spiked Amount 75.000	Range 15 - 104		Recovery = 73.72%			
14) 1,2-Dichlorobenzene-d4	6.43	152	348254	35.05	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 70.10%			
24) Nitrobenzene-d5	6.83	82	493787	36.84	ng/uL	-0.01
Spiked Amount 50.000	Range 34 - 111		Recovery = 73.68%			
45) 2-Fluorobiphenyl	8.46	172	1138054	37.13	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 74.26%			
67) 2,4,6-Tribromophenol	9.75	330	162284	47.48	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 63.31%			
82) p-Terphenyl-d14	11.72	244	1241028	46.46	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 92.92%			

Target Compounds Qvalue

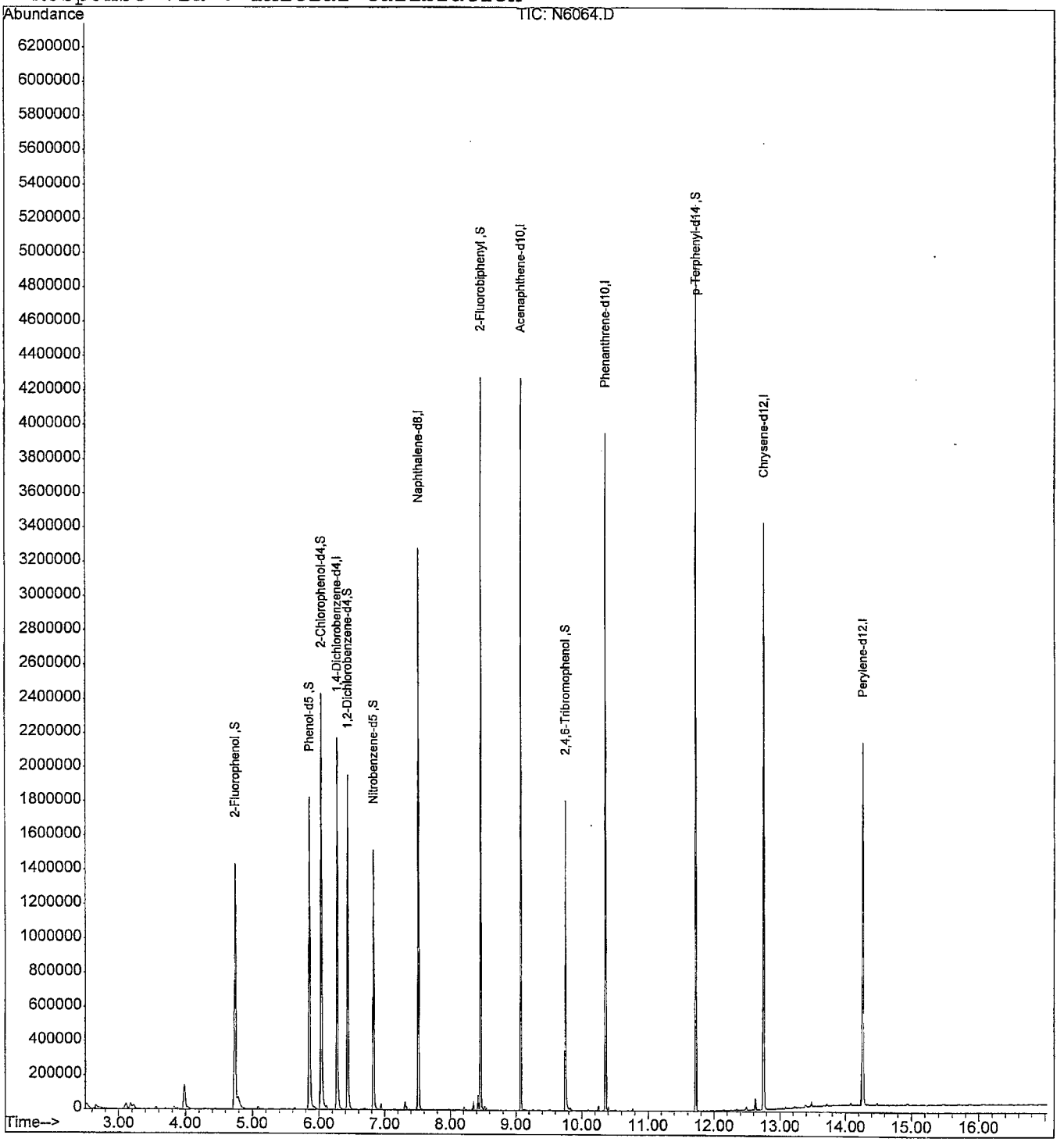
(#) = qualifier out of range (m) = manual integration
N6064.D 061705S1.M Fri Jul 01 12:08:15 2005

Quantitation Report

Data File : D:\HPCHEM\1\DATA\070105\N6064.D
Acq On : 1 Jul 2005 11:49 am
Sample : EX050628-8MB
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:08 2005

Vial: 3
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration



Library Search Compound Report

Data File : D:\HPCHEM\1\DATA\070105\N6064.D Vial: 3
Acq On : 1 Jul 2005 11:49 am Operator: JOE K SOP
Sample : EX050628-8MB Inst : GC/MS Ins
Misc : WATER EX050628-8 Multiplr: 1.00
MS Integration Params: LSCINT.P

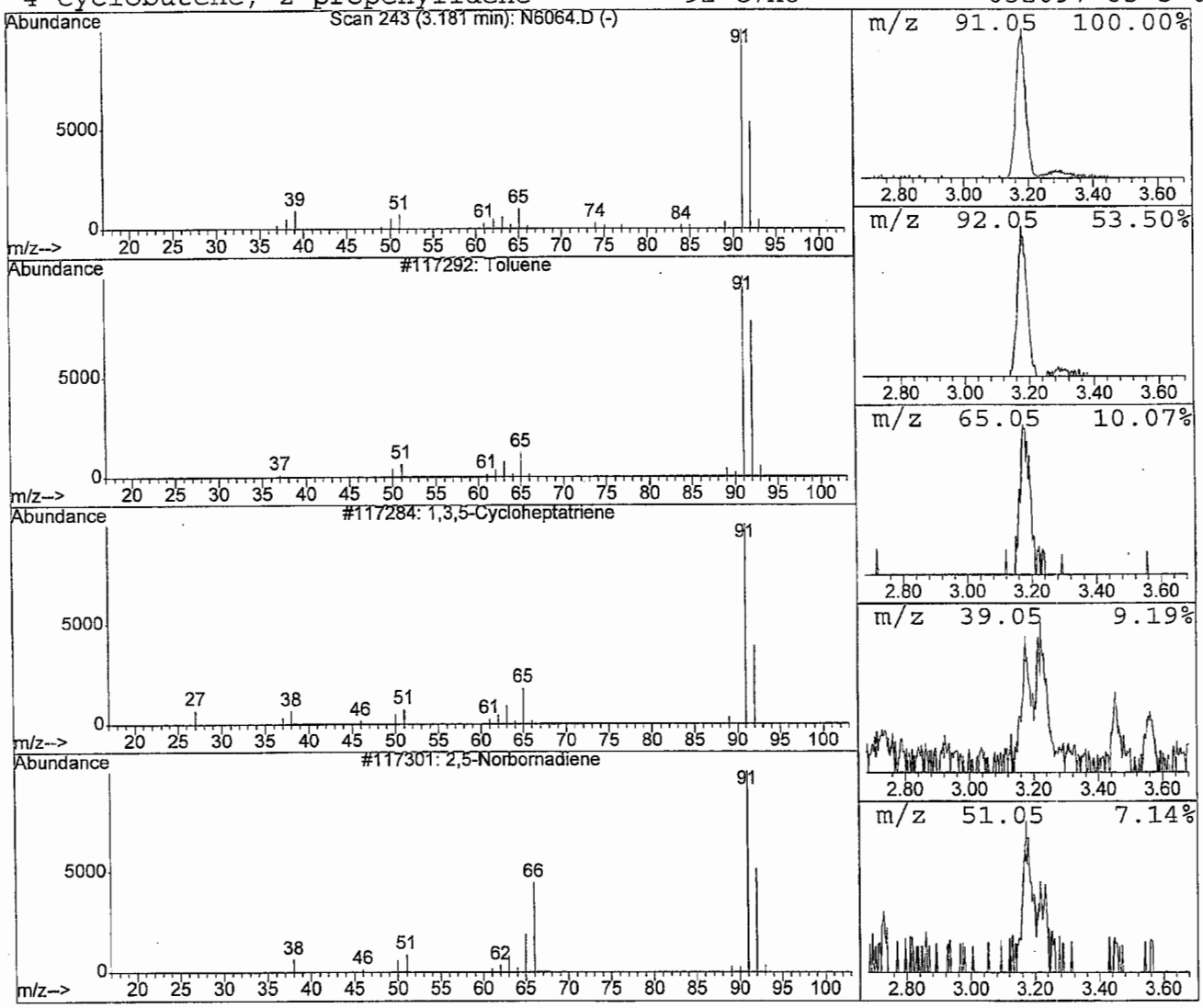
Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Library : D:\DATABASE\NIST98.L

****

Peak Number 1 Toluene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	5.47 ng/uL	326874	1,4-Dichlorobenzene-d4	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	87
2	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	83
3	2,5-Norbornadiene	92	C7H8	000121-46-0	64
4	Cyclobutene, 2-propenylidene-	92	C7H8	052097-85-5	64



Library Search Compound Report

Data File : D:\HPCHEM\1\DATA\070105\N6064.D
Acq On : 1 Jul 2005 11:49 am
Sample : EX050628-8MB
Misc : WATER EX050628-8
MS Integration Params: LSCINT.P

Vial: 3
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00

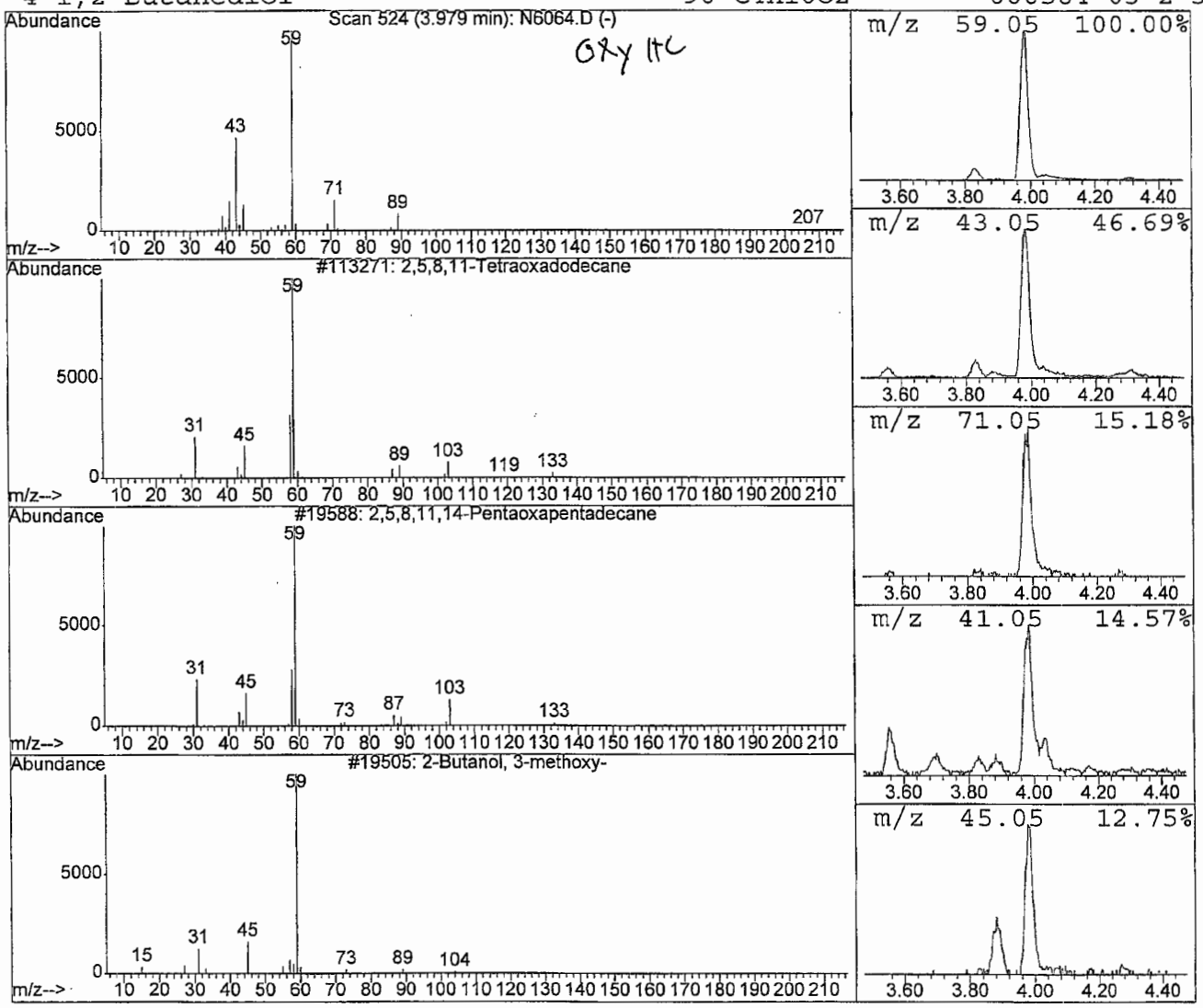
Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Library : D:\DATABASE\NIST98.L

****

Peak Number 2 2,5,8,11-Tetraoxadodecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.98	5.69 ng/uL	339754	1,4-Dichlorobenzene-d4	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,8,11-Tetraoxadodecane	178	C8H18O4	000112-49-2	39
2	2,5,8,11,14-Pentaoxapentadecane	222	C10H22O5	000143-24-8	39
3	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	38
4	1,2-Butanediol	90	C4H10O2	000584-03-2	38



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6075.D
Acq On : 1 Jul 2005 4:17 pm
Sample : 0506217-11
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 12:56 2005

Vial: 14
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.28	152	457931 ✓	40.00	ng/uL	0.00
23) Naphthalene-d8	7.52	136	1838416 ✓	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.09	164	1312717 ✓	40.00	ng/uL	0.01
68) Phenanthrene-d10	10.37	188	2281588 ✓	40.00	ng/uL	0.01
79) Chrysene-d12	12.74	240	445908 Low	40.00	ng/uL	-0.02
90) Perylene-d12	14.23	264	128107 Low	40.00	ng/uL	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	4.77	112	852585	58.64	ng/uL	0.02
Spiked Amount 75.000	Range 21 - 100		Recovery = 78.19% ✓			
5) 2-Chlorophenol-d4	6.05	132	996844	59.12	ng/uL	0.01
Spiked Amount 75.000	Range 33 - 110		Recovery = 78.83%			
7) Phenol-d5	5.92	99	1134828m	71.74	ng/uL	0.06
Spiked Amount 75.000	Range 15 - 104		Recovery = 95.65% ✓			
14) 1,2-Dichlorobenzene-d4	6.44	152	351162	32.26	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 64.52%			
24) Nitrobenzene-d5	6.84	82	674864	40.12	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 80.24% ✓			
45) 2-Fluorobiphenyl	8.49	172	1528388	31.20	ng/uL	0.03
Spiked Amount 50.000	Range 21 - 106		Recovery = 62.40% ✓			
67) 2,4,6-Tribromophenol	9.78	330	597304	109.35	ng/uL	0.02
Spiked Amount 75.000	Range 23 - 100		Recovery = 145.80%# High			
82) p-Terphenyl-d14	11.72	244	555663	46.40	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 92.80% ✓			

Target Compounds						Qvalue
3) n-Nitrosodimethylamine	2.57	74	12865	1.96	ng/uL# NO	25
8) Phenol	5.93	94	31190213	2115.21	ng/uL ✓	95 E
9) Tetramethylurea	5.97	72	148117	6.93	ng/uL# NO	47
16) Benzyl Alcohol	6.54	108	3083694	342.27	ng/uL# NO	36
17) Bis(2-chloroisopropyl)ethe	6.67	45	514290	49.09	ng/uL# NO	24
18) 2-Methylphenol	6.54	107	2398822m	207.79	ng/uL ✓	E
19) n-Nitroso-di-n-propylamine	6.59	70	177421	18.39	ng/uL# NO	25
20) 3+4-Methylphenol	6.69	108	3127445m	192.16	ng/uL ✓	E
22) Hexachloroethane	6.79	117	19212	3.06	ng/uL# NO	12
26) Nitrobenzene	6.69	77	1276473	58.39	ng/uL# NO	46
30) 2,4-Dimethylphenol	7.10	107	132475	8.22	ng/uL# NO ✓	32
31) Bis(2-chloroethoxy)methane	7.33	93	86284	5.39	ng/uL# NO	55
35) Naphthalene	7.54	128	327257	6.62	ng/uL# ✓	92
36) 4-Chloroaniline	7.54	127	60890	3.13	ng/uL# NO	1
38) 4-Chloro-3-methylphenol	7.83	107	22377	1.79	ng/uL NO	87
39) 2-Methylnaphthalene	8.16	142	137237	4.23	ng/uL# ✓	72

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6075.D
Acq On : 1 Jul 2005 4:17 pm
Sample : 0506217-11
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 12:56 2005

Vial: 14
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

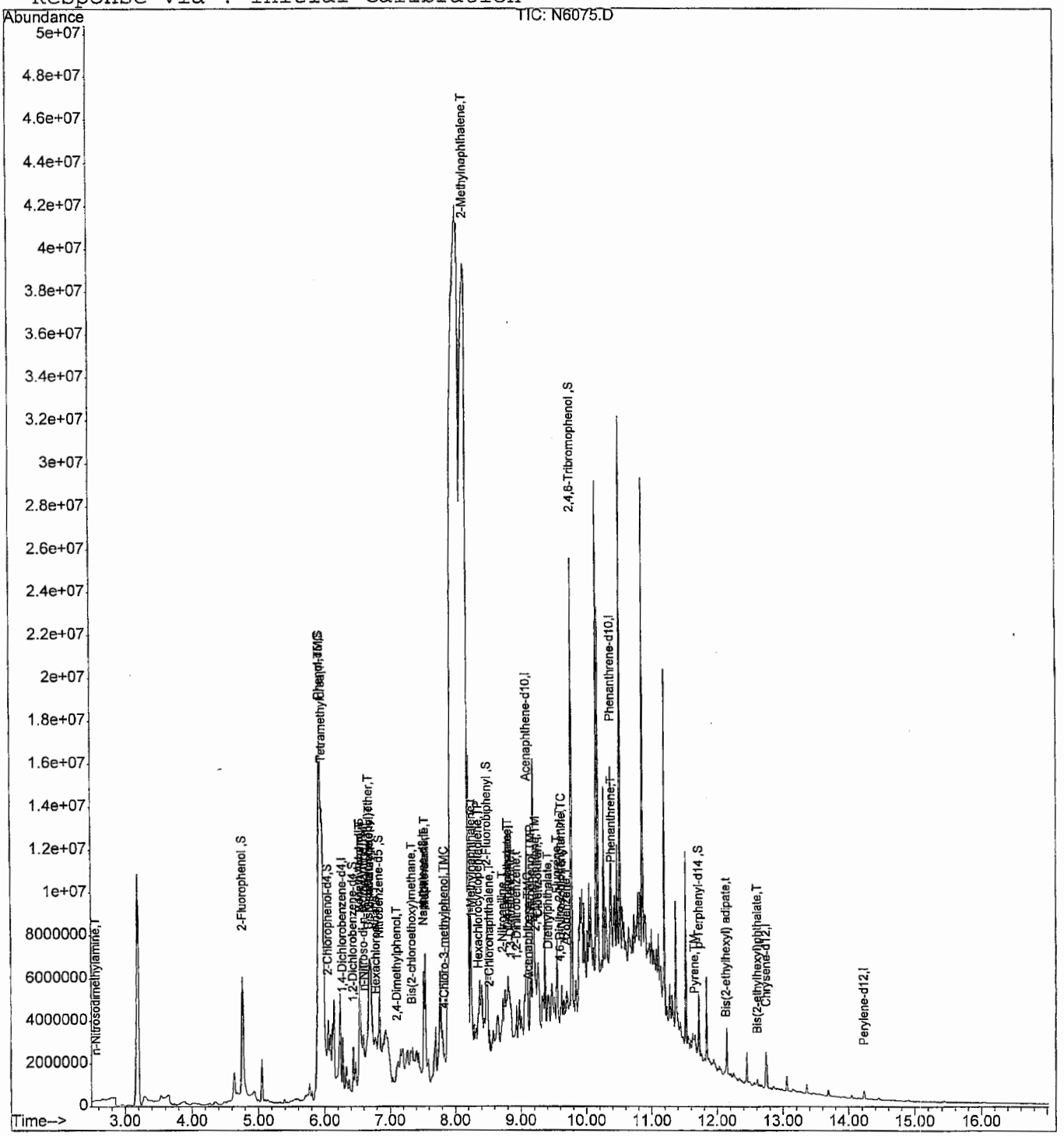
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 1-Methylnaphthalene	8.26	142	209587	4.95 ng/uL#	90
42) Hexachlorocyclopentadiene	8.35	237	35	5.90 ng/uL#	26
46) 2-Chloronaphthalene	8.53	162	35812	0.90 ng/uL#	47
47) 2-Nitroaniline	8.73	65	182380	21.39 ng/uL#	33
48) 1,4-Dinitrobenzene	8.81	168	19171	3.10 ng/uL#	49
49) Dimethylphthalate	8.82	163	137146	3.30 ng/uL#	1
50) 1,3-Dinitrobenzene	8.86	168	5951	0.89 ng/uL#	1
52) 1,2-Dinitrobenzene	8.94	168	8825	2.02 ng/uL#	48
55) Acenaphthene	9.12	154	24280	0.60 ng/uL#	4
57) 4-Nitrophenol	9.15	109	17688	3.96 ng/uL#	1
58) Dibenzofuran	9.26	168	57548	1.11 ng/uL#	67
59) 2,4-Dinitrotoluene	9.22	165	20129	1.70 ng/uL#	1
62) Diethylphthalate	9.42	149	49489	1.22 ng/uL#	32
63) Fluorene	9.56	166	37858m	0.87 ng/uL	
66) Azobenzene	9.70	77	76272	2.26 ng/uL#	48
69) 4,6-Dinitro-2-methylphenol	9.60	198	4445	0.58 ng/uL#	1
70) n-Nitrosodiphenylamine	9.63	169	35246	0.85 ng/uL#	48
74) Phenanthrene	10.39	178	228430	3.46 ng/uL#	90
81) Pyrene	11.64	202	67417m	4.42 ng/uL	
84) Bis(2-ethylhexyl) adipate	12.13	129	21050	3.25 ng/uL#	1
88) Bis(2-ethylhexyl)phthalate	12.61	149	71376	8.01 ng/uL	99

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

Quantitation Report

Data File : D:\HPCHEM\1\DATA\070105\N6075.D Vial: 14
Acq On : 1 Jul 2005 4:17 pm Operator: JOE K SOP 5
Sample : 0506217-11 Inst : GC/MS Ins
Misc : WATER EX050628-8 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 5 12:56 2005 Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Sun Jul 03 14:48:17 2005
Response via : Initial Calibration

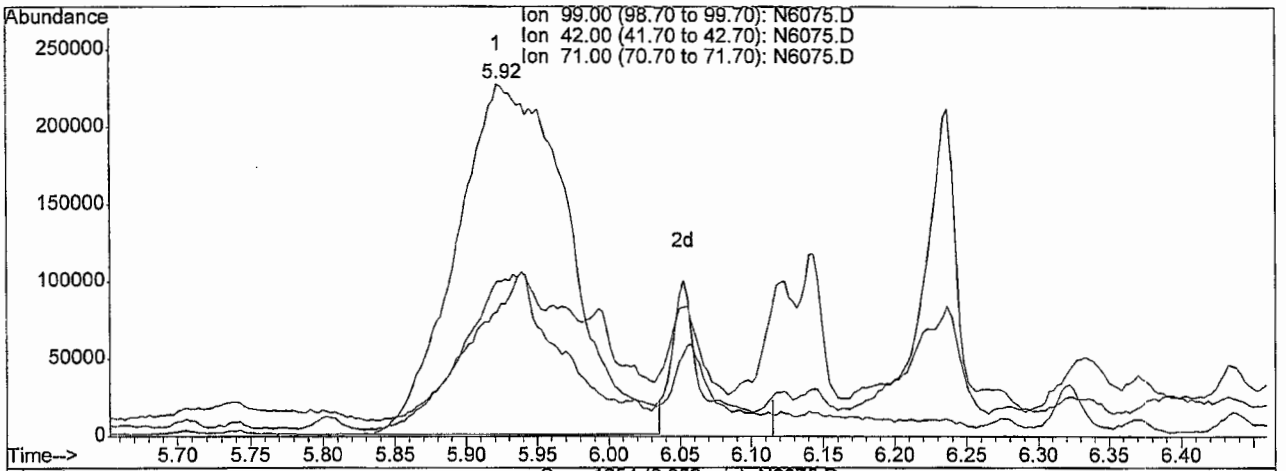


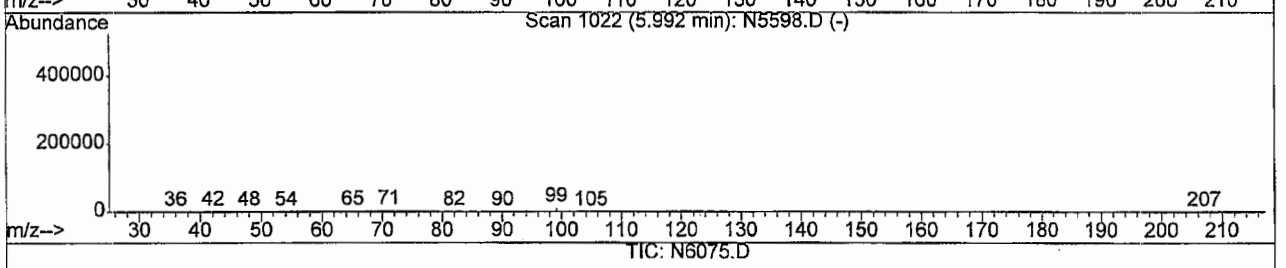
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6075.D
Acq On : 1 Jul 2005 4:17 pm
Sample : 0506217-11
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 12:49 2005

Vial: 14
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Sun Jul 03 14:48:17 2005
Response via : Multiple Level Calibration





TIC: N6075.D

(7) Phenol-d5 (S)

5.92min 78.69ng/uL

response 1244753

Ion	Exp%	Act%
99.00	100	100
42.00	18.70	44.12#
71.00	32.90	37.43
0.00	0.00	0.00

Before

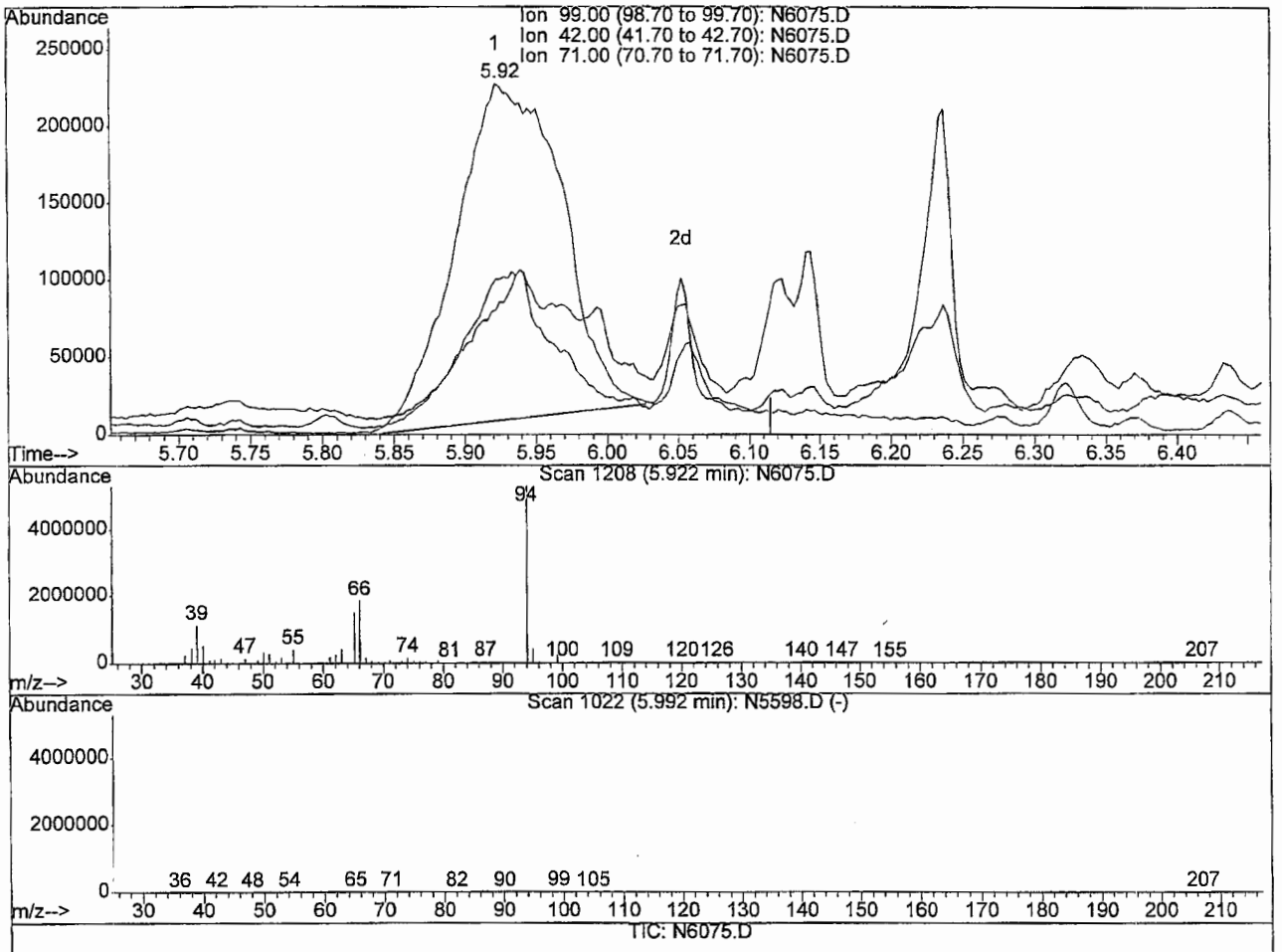
N6075.D 061705S1.M Tue Jul 05 12:56:11 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6075.D
Acq On : 1 Jul 2005 4:17 pm
Sample : 0506217-11
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 12:56 2005

Vial: 14
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Sun Jul 03 14:48:17 2005
Response via : Multiple Level Calibration



(7) Phenol-d5 (S)

5.92min 71.74ng/uL m

response 1134828

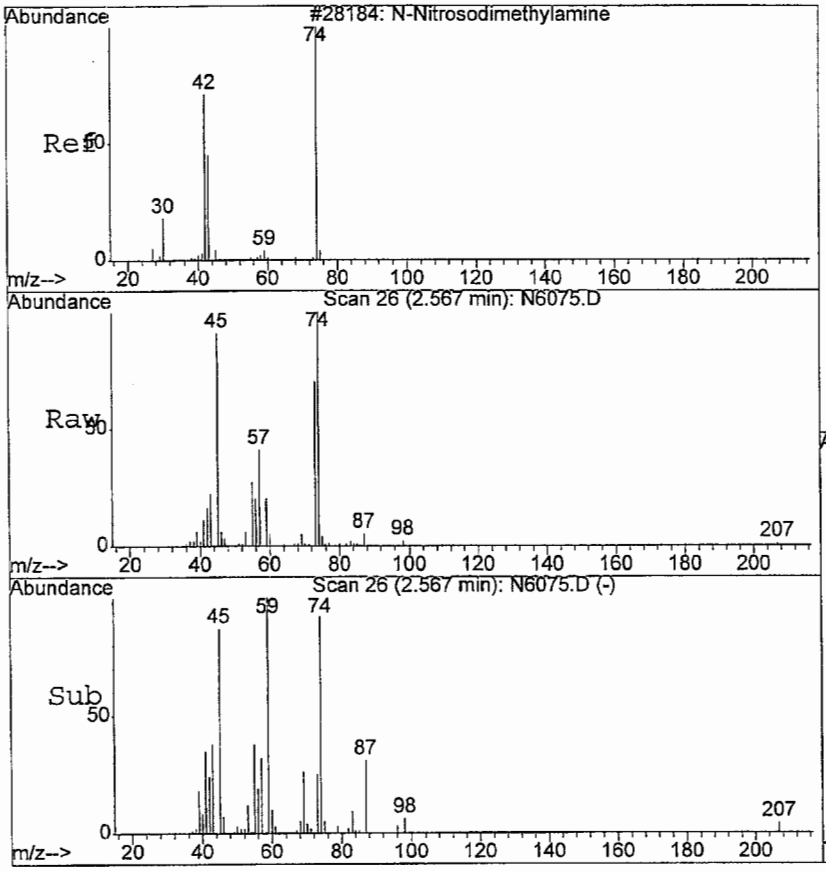
Ion	Exp%	Act%
99.00	100	100
42.00	18.70	48.39#
71.00	32.90	41.06
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials DK *date* 7-5-05

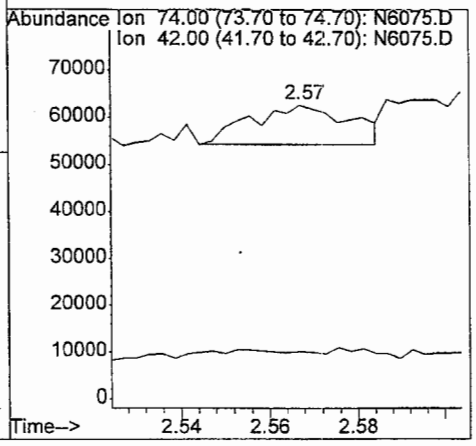
N6075.D 061705S1.M Tue Jul 05 12:56:20 2005



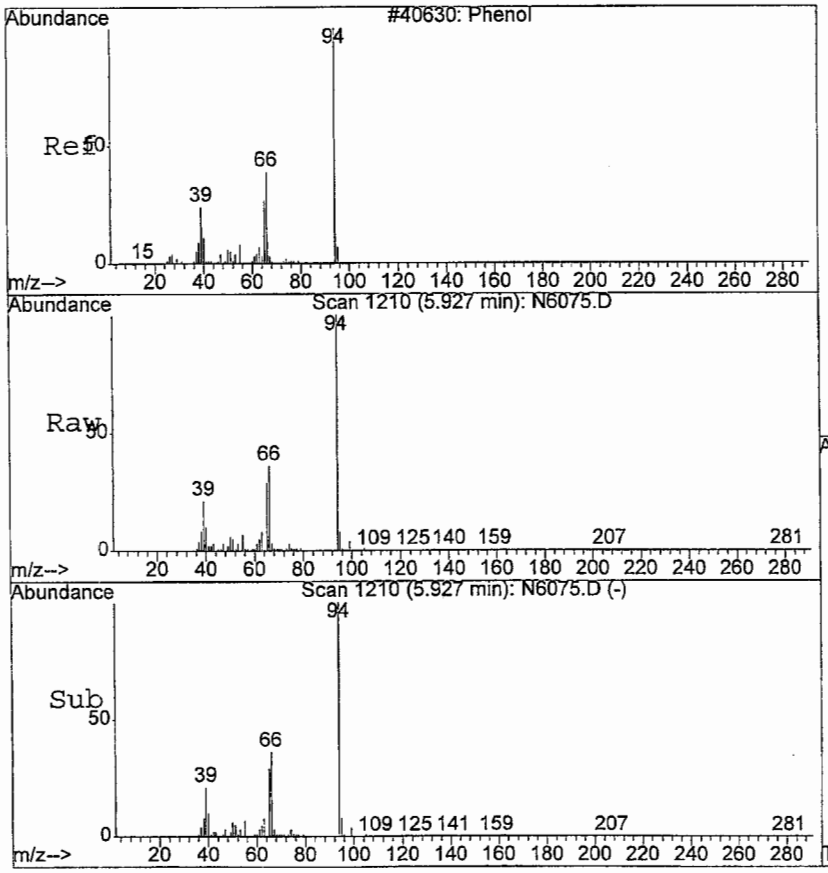
#3
n-Nitrosodimethylamine
Concen: 1.96 ng/uL
RT: 2.57 min Scan# 26
Delta R.T. -0.11 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion: 74 Resp: 12865

Ion	Ratio	Lower	Upper
74	100		
42	11.1	40.6	110.6#



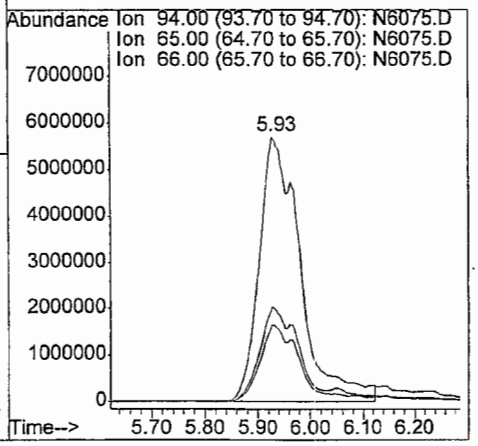
NO



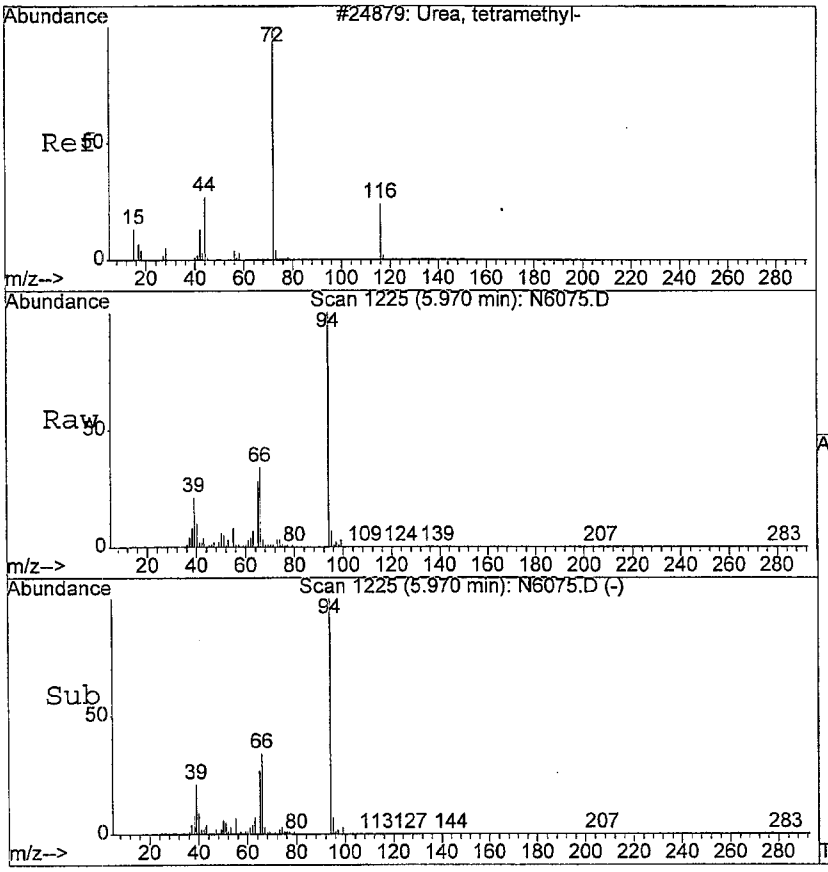
#8
Phenol
Concen: 2115.21 ng/uL
RT: 5.93 min Scan# 1210
Delta R.T. 0.05 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion: 94 Resp:31190213

Ion	Ratio	Lower	Upper
94	100		
65	28.5	13.0	44.6
66	36.2	18.4	63.4



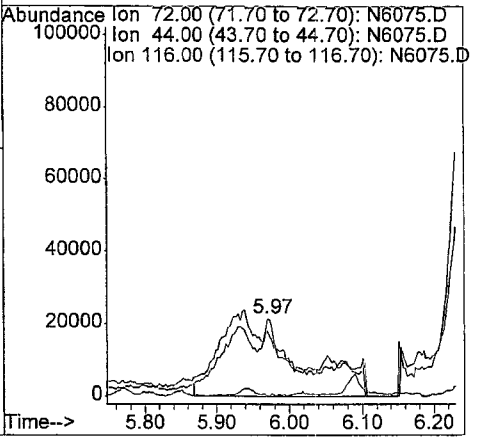
✓ (E)



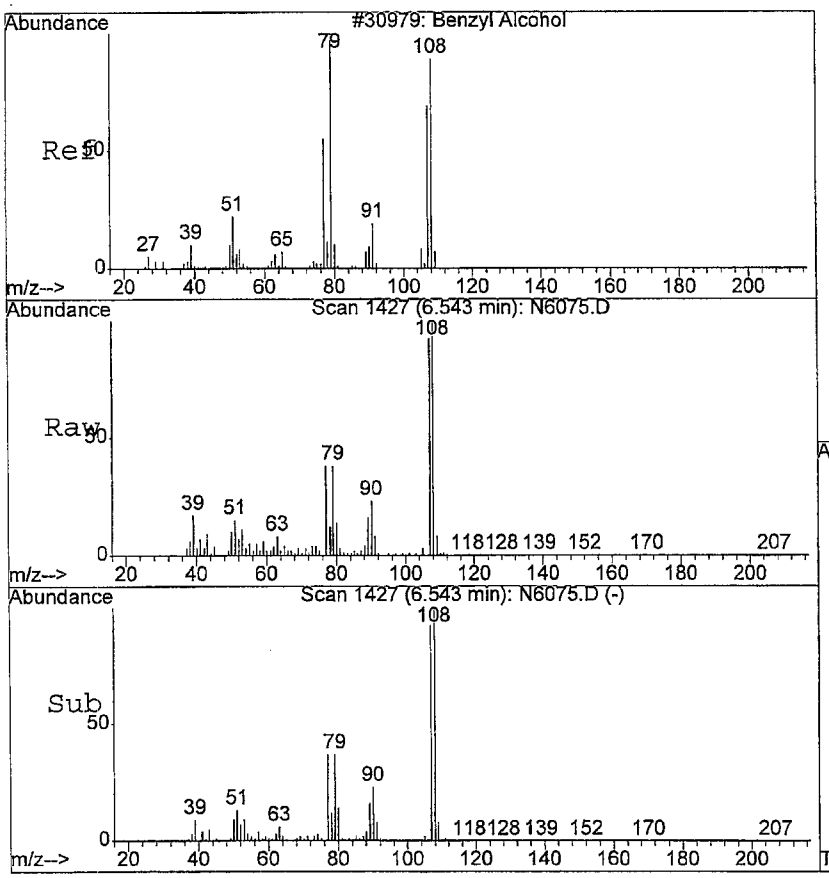
#9
Tetramethylurea
Concen: 6.93 ng/uL
RT: 5.97 min Scan# 1225
Delta R.T. -0.04 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion: 72 Resp: 148117

Ion	Ratio	Lower	Upper
72	100		
44	0.0	0.0	43.8
116	0.4	9.6	59.6#



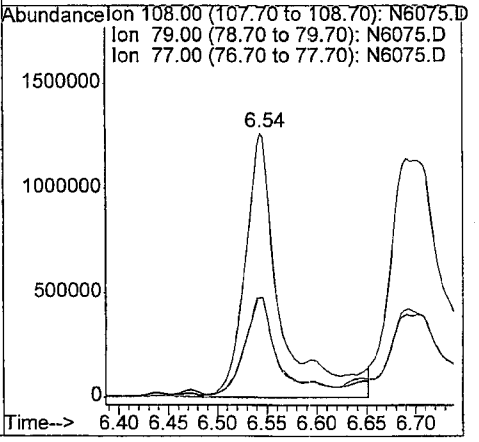
ND



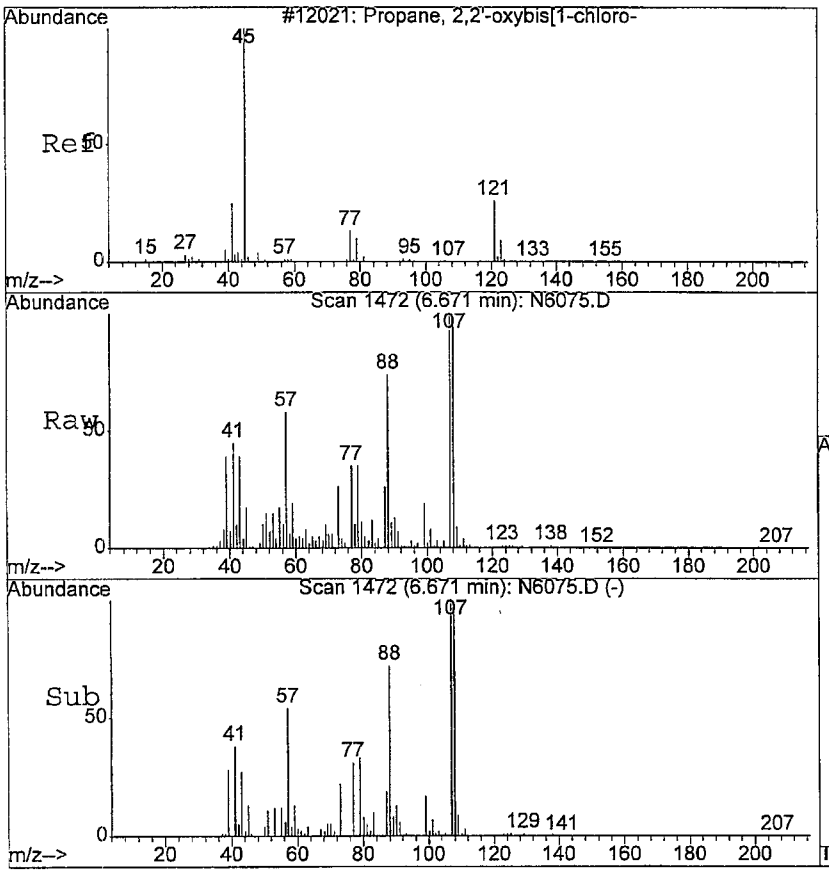
#16
Benzyl Alcohol
Concen: 342.27 ng/uL
RT: 6.54 min ~~Scan# 1427~~
Delta R.T. 0.13 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:108 Resp: 3083694

Ion	Ratio	Lower	Upper
108	100		
79	37.6	96.2	144.4#
77	38.4	65.0	97.4#



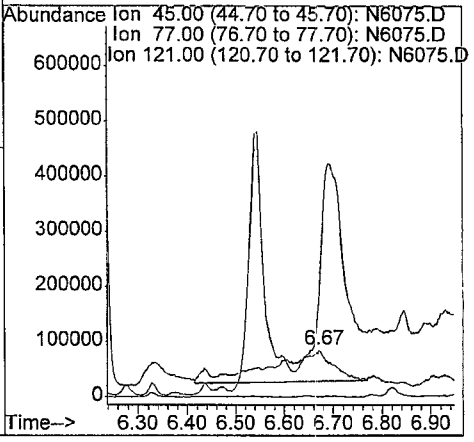
ND



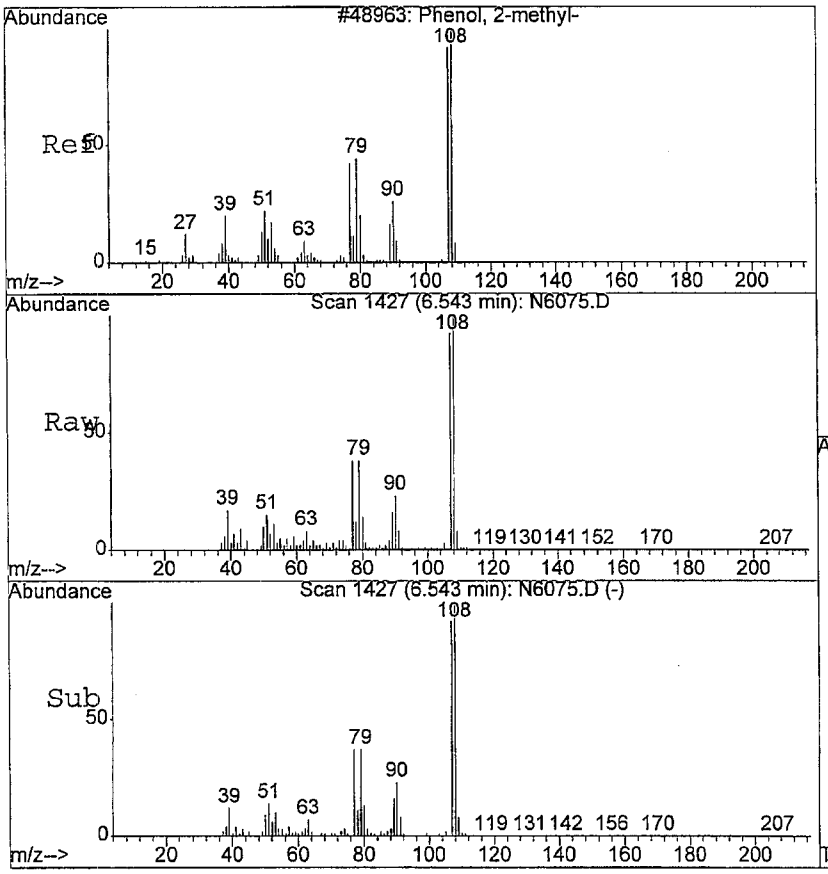
#17
Bis(2-chloroisopropyl)ether
Concen: 49.09 ng/uL
RT: 6.67 min Scan# 1472
Delta R.T. 0.14 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion: 45 Resp: 514290

Ion	Ratio	Lower	Upper
45	100		
77	0.0	29.5	101.7#
121	1.0	32.6	54.3#



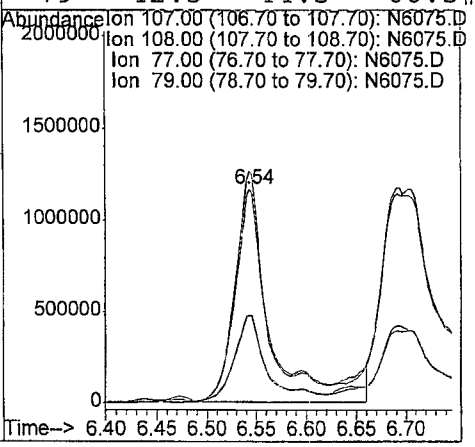
NC



#18
2-Methylphenol
Concen: ~~252.01~~ ng/uL
RT: 6.54 min Scan# 1427
Delta R.T. 0.03 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:107 Resp: 2909272

Ion	Ratio	Lower	Upper
107	100		
108	109.1	81.1	135.1
77	42.5	44.7	74.5#
79	42.3	44.3	66.5#



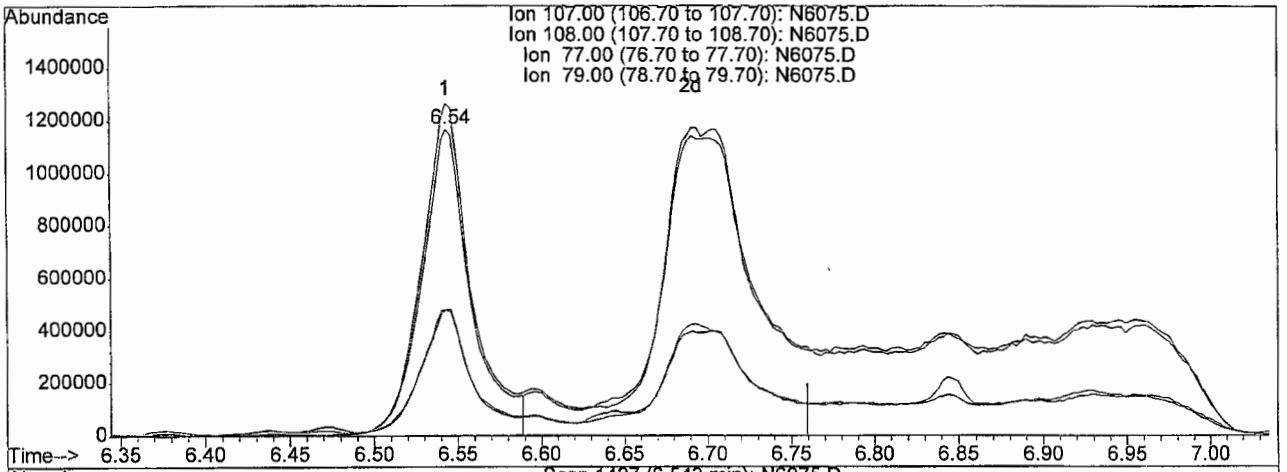
✓ Before
(E)

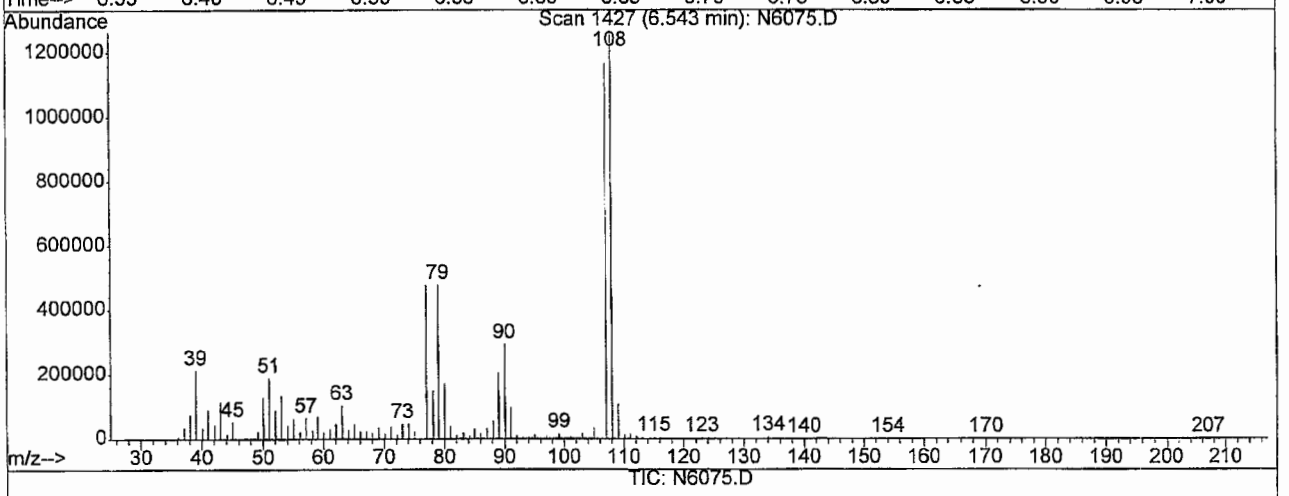
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6075.D
Acq On : 1 Jul 2005 4:17 pm
Sample : 0506217-11
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 12:44 2005

Vial: 14
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Sun Jul 03 14:48:17 2005
Response via : Multiple Level Calibration





TIC: N6075.D

(18) 2-Methylphenol (T)

6.54min 207.79ng/uL m

response 2398822

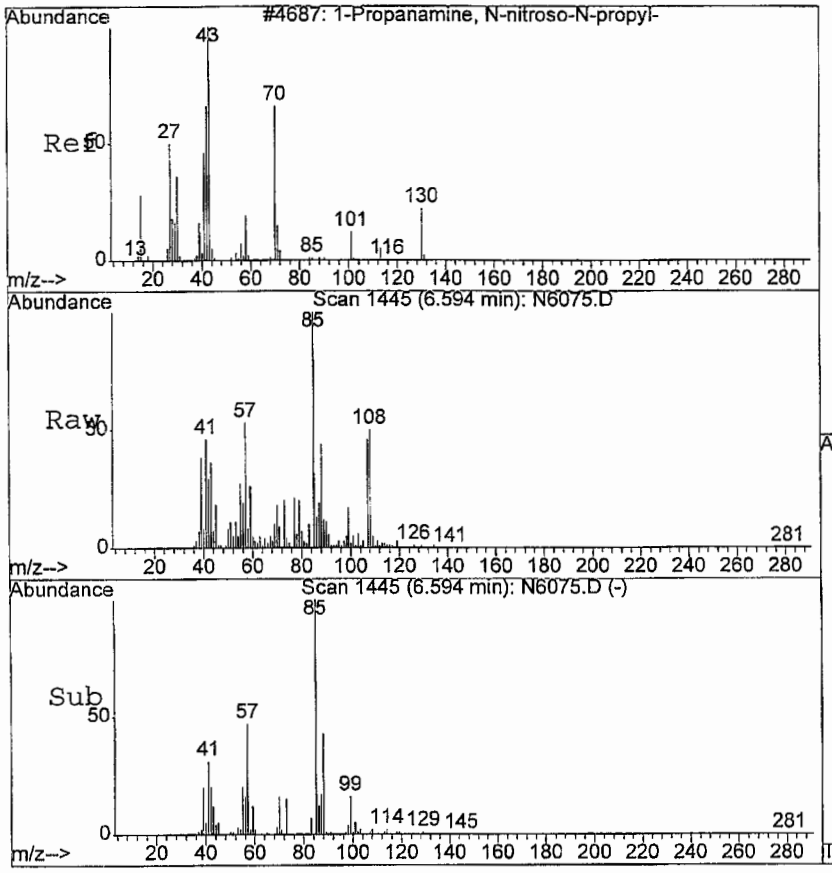
Ion	Exp%	Act%
107.00	100	100
108.00	108.10	132.31
77.00	59.60	51.56
79.00	55.40	51.31

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-5-05

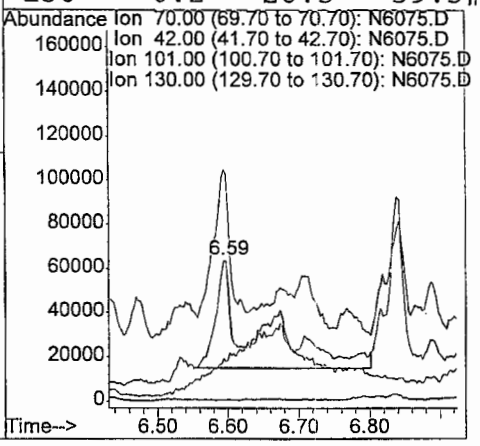
N6075.D 061705S1.M Tue Jul 05 12:44:23 2005



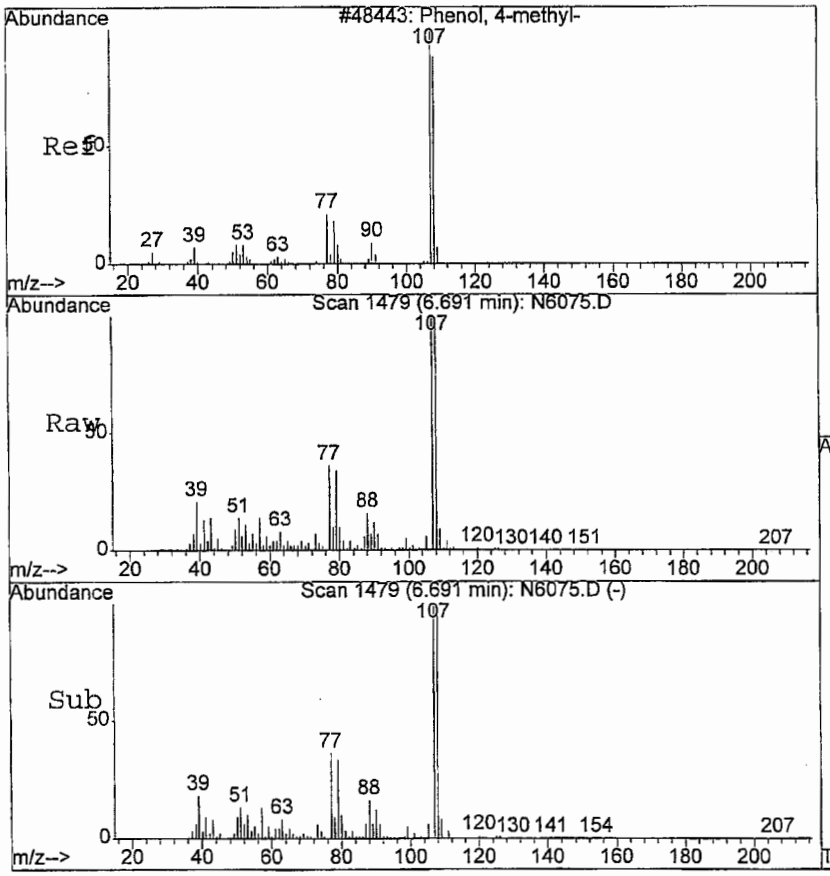
#19
n-Nitroso-di-n-propylamine
Concen: 18.39 ng/uL
RT: 6.59 min Scan# 1445
Delta R.T. -0.07 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion: 70 Resp: 177421

Ion	Ratio	Lower	Upper
70	100		
42	127.2	34.4	80.2#
101	0.0	10.0	15.0#
130	0.2	26.3	39.5#



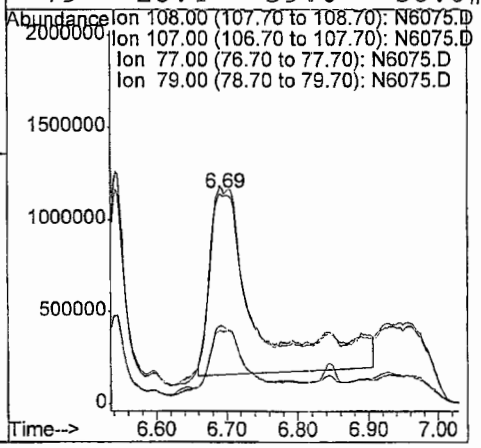
N



#20
3+4-Methylphenol
Concen: ~~277.~~17 ng/uL
RT: 6.69 min Scan# 1479
Delta R.T. 0.03 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:108 Resp: 4511085

Ion	Ratio	Lower	Upper
108	100		
107	102.1	159.5	265.9#
77	31.7	47.9	79.9#
79	28.4	39.0	58.6#



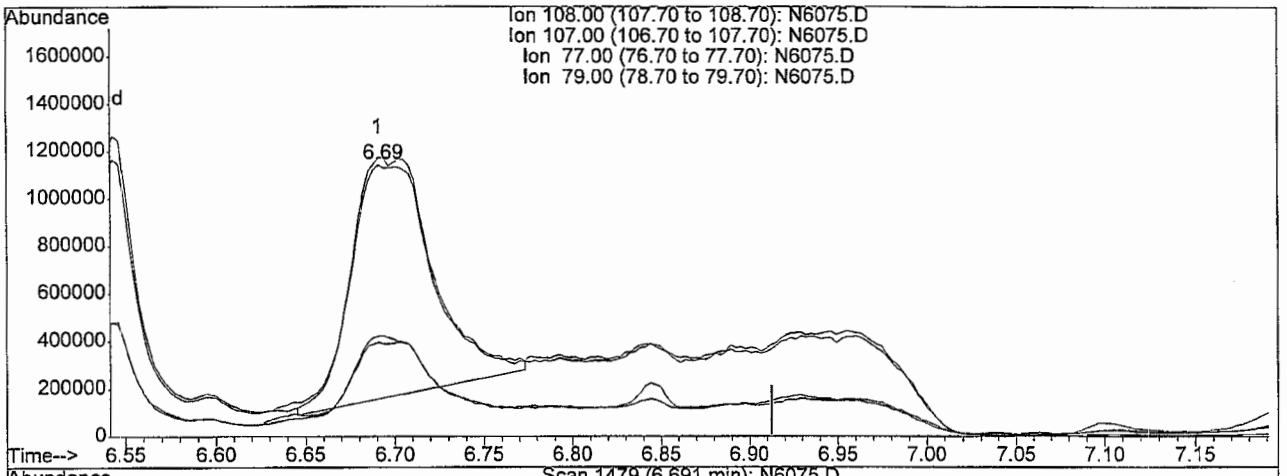
✓ Before

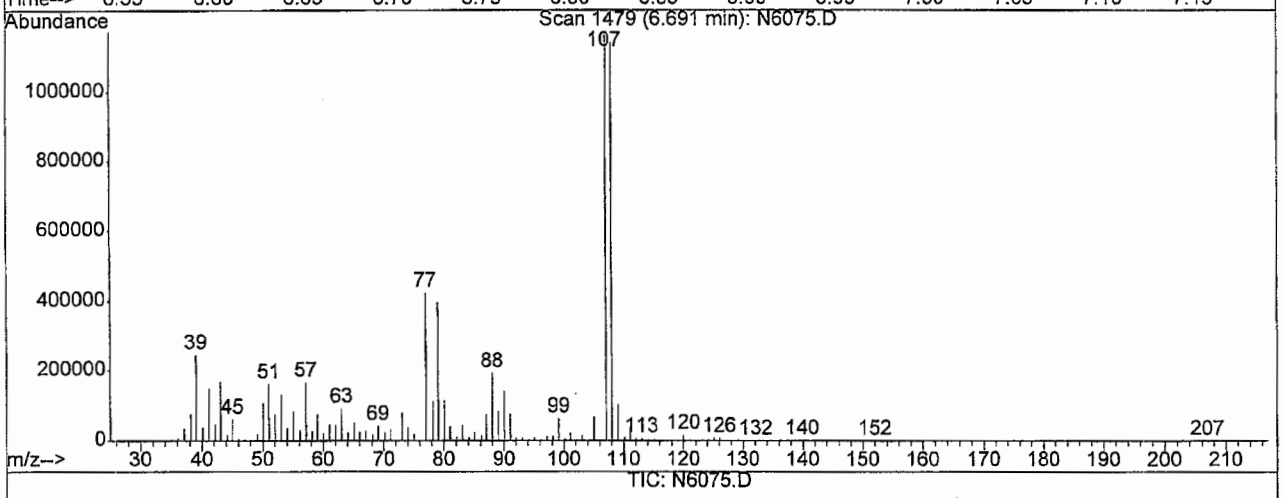
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6075.D
Acq On : 1 Jul 2005 4:17 pm
Sample : 0506217-11
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 12:45 2005

Vial: 14
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Sun Jul 03 14:48:17 2005
Response via : Multiple Level Calibration





TIC: N6075.D

(20) 3+4-Methylphenol (T)

6.69min 192.16ng/uL m

response 3127445

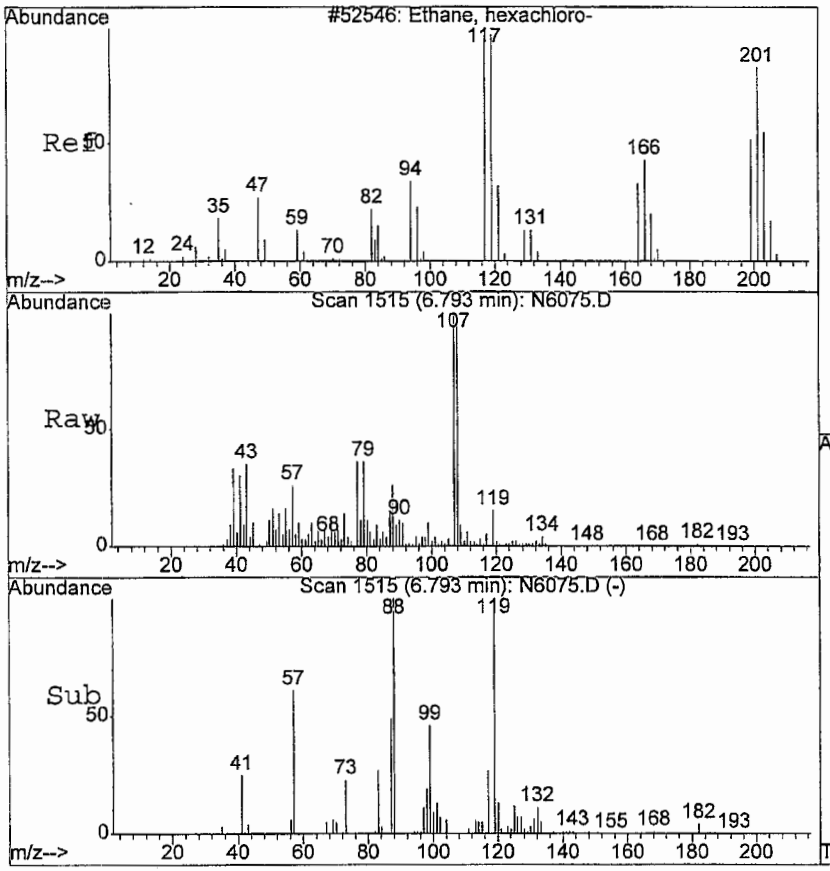
Ion	Exp%	Act%
108.00	100	100
107.00	212.70	147.24#
77.00	63.90	45.79#
79.00	48.80	40.94

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JL *date* 7-5-05

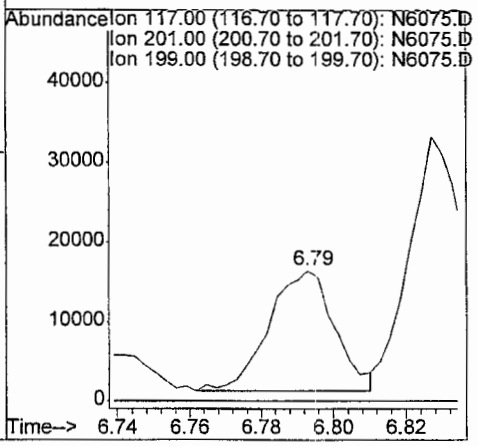
N6075.D 061705S1.M Tue Jul 05 12:45:02 2005

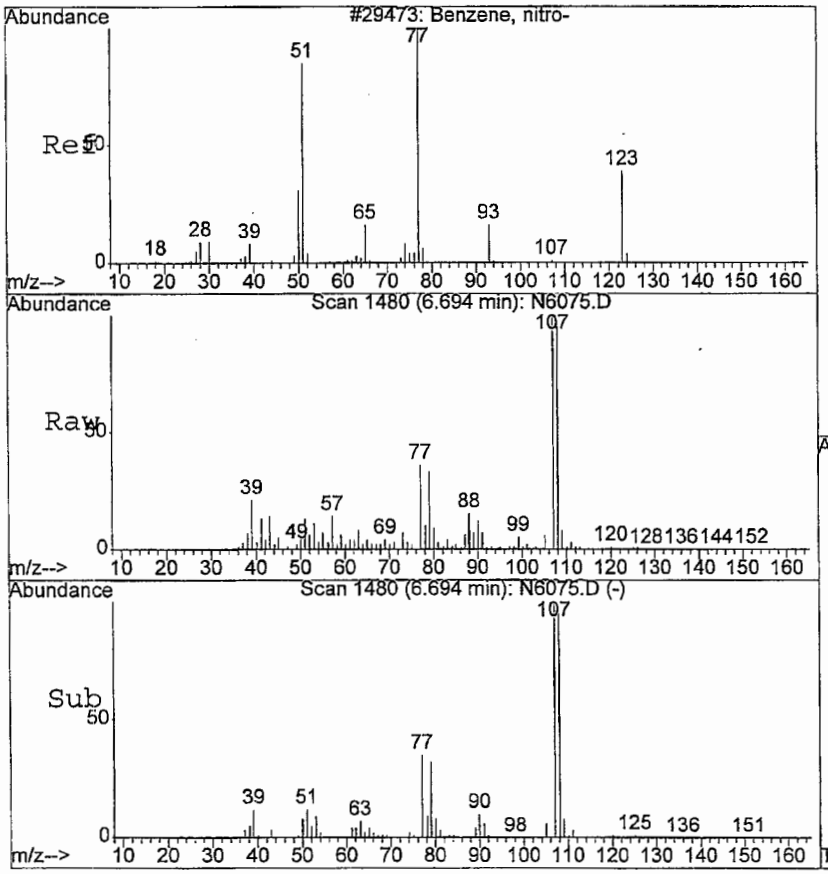


#22
Hexachloroethane
Concen: 3.06 ng/uL
RT: 6.79 min Scan# 1515
Delta R.T. 0.01 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:117 Resp: 19212

Ion	Ratio	Lower	Upper
117	100		
201	0.0	66.4	110.6#
199	0.0	41.6	69.3#

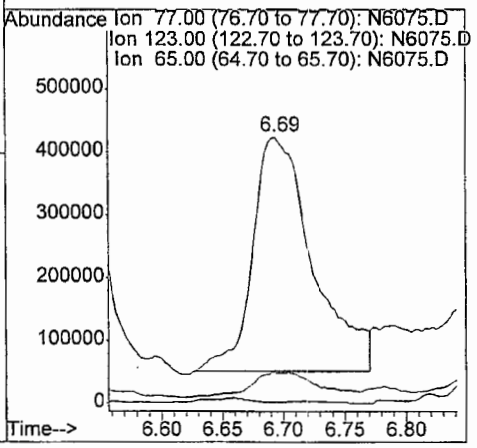


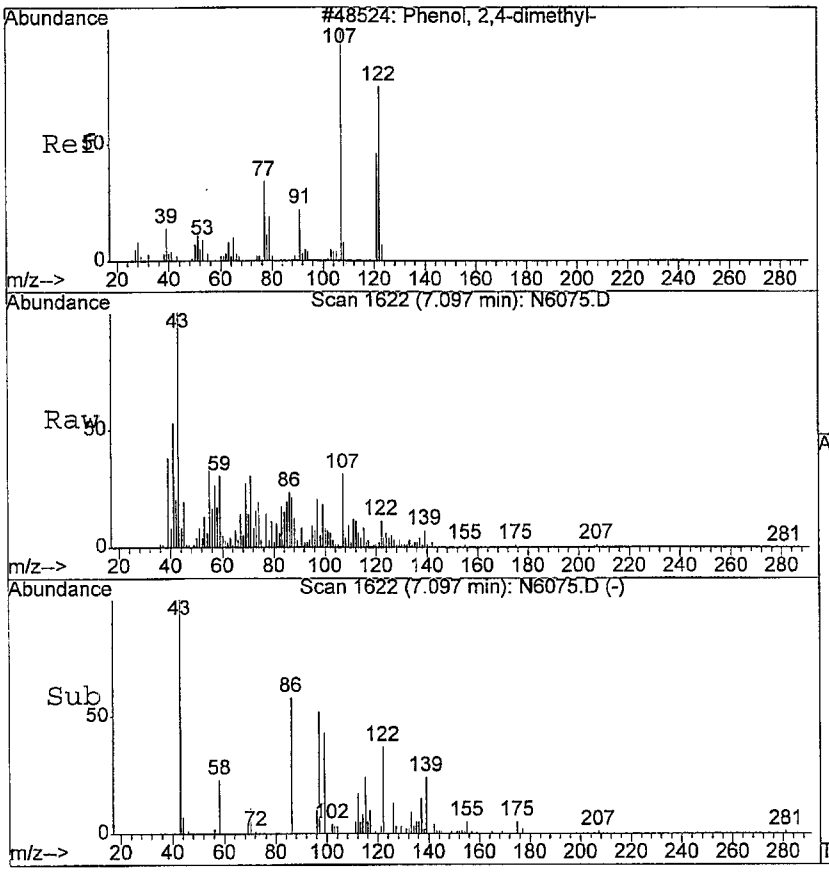


#26
Nitrobenzene
Concen: 58.39 ng/uL
RT: 6.69 min Scan# 1480
Delta R.T. -0.16 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion: 77 Resp: 1276473

Ion	Ratio	Lower	Upper
77	100		
123	0.0	16.4	66.4#
65	6.1	0.0	38.3

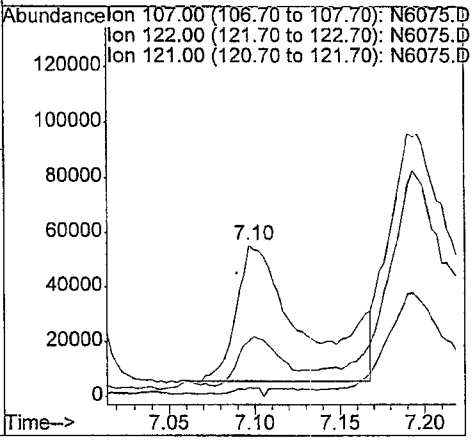




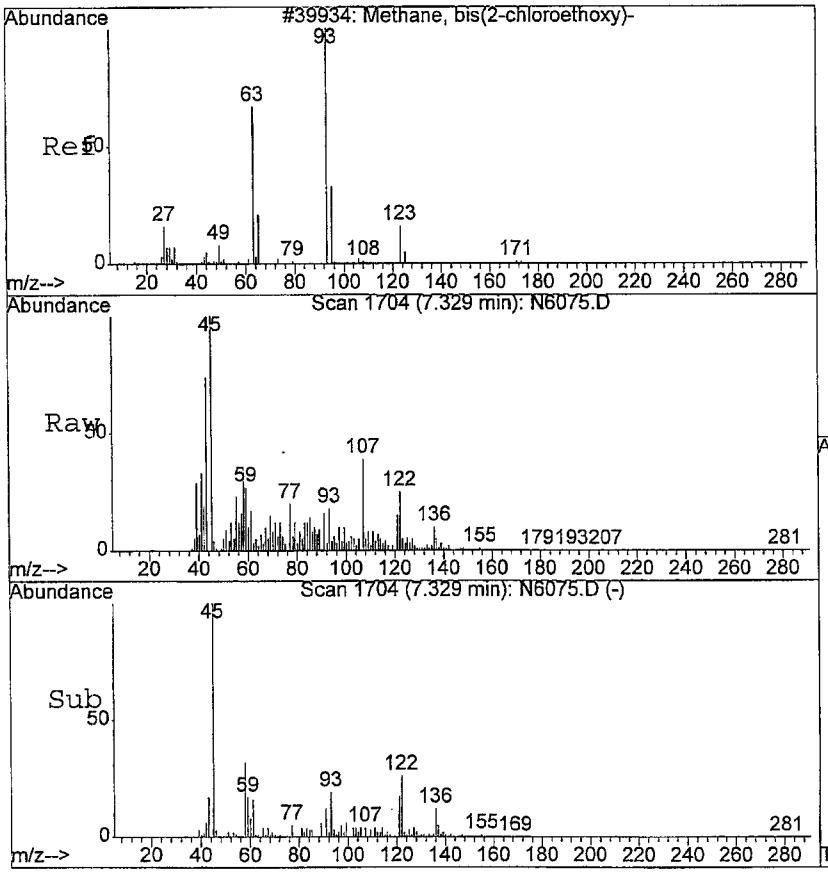
#30
2,4-Dimethylphenol
Concen: 8.22 ng/uL
RT: 7.10 min Scan# 1622
Delta R.T. -0.07 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:107 Resp: 132475

Ion	Ratio	Lower	Upper
107	100		
122	33.9	71.0	118.4#
121	0.0	42.4	70.6#



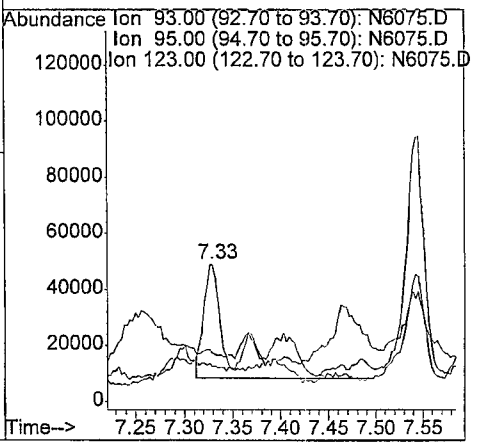
see dilution

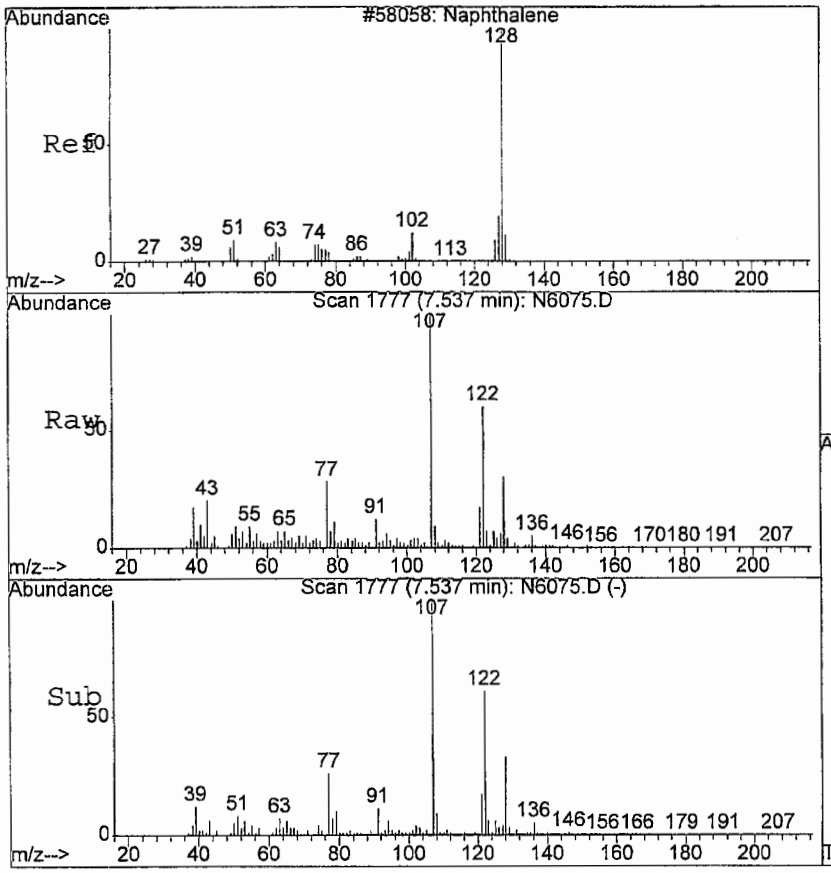


#31
Bis(2-chloroethoxy)methane
Concen: 5.39 ng/uL
RT: 7.33 min Scan# 1704
Delta R.T. 0.08 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion: 93 Resp: 86284

Ion	Ratio	Lower	Upper
93	100		
95	0.0	24.2	40.4#
123	25.9	12.6	21.0#

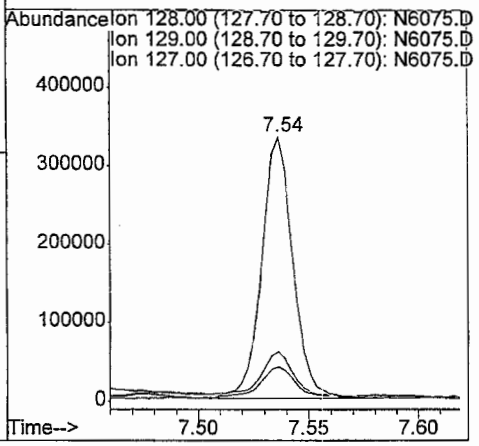


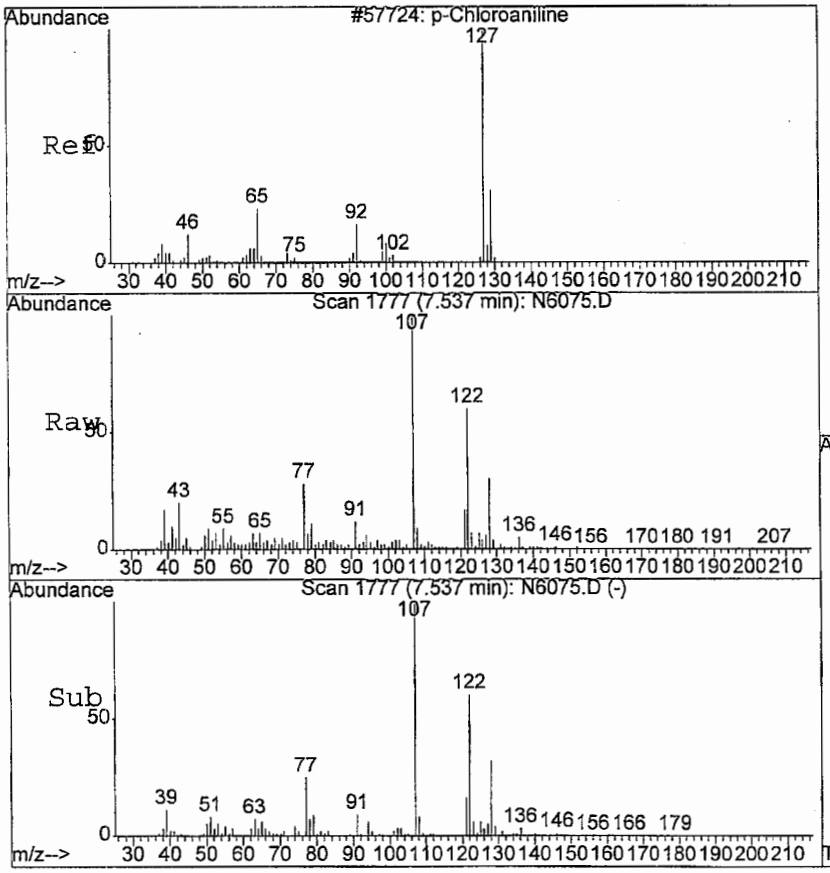


#35
Naphthalene
Concen: 6.62 ng/uL
RT: 7.54 min Scan# 1777
Delta R.T. -0.00 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:128 Resp: 327257

Ion	Ratio	Lower	Upper
128	100		
129	17.1	8.8	14.6#
127	18.6	12.5	20.9

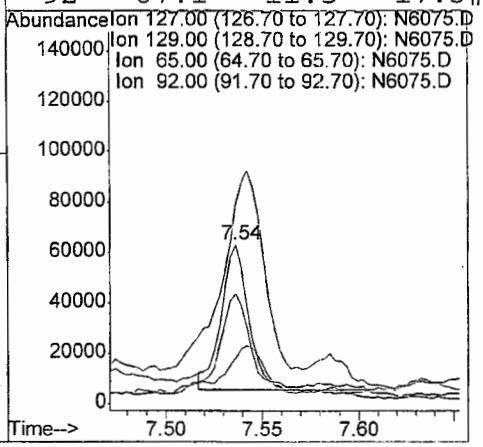


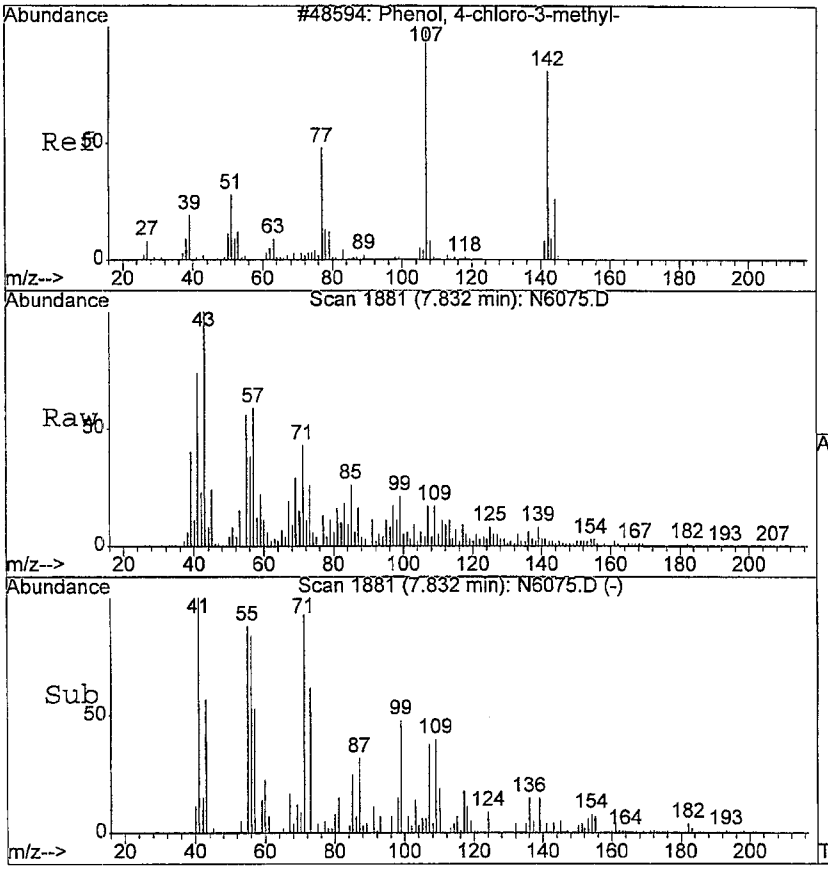


#36
4-Chloroaniline
Concen: 3.13 ng/uL
RT: 7.54 min Scan# 1777
Delta R.T. -0.04 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:127 Resp: 60890

Ion	Ratio	Lower	Upper
127	100		
129	91.7	21.0	43.6#
65	264.6	18.4	27.6#
92	67.1	11.5	17.3#

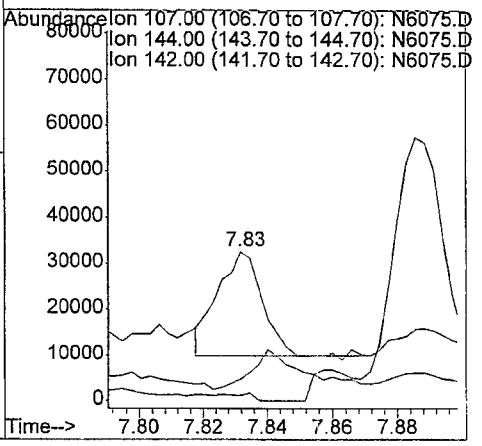




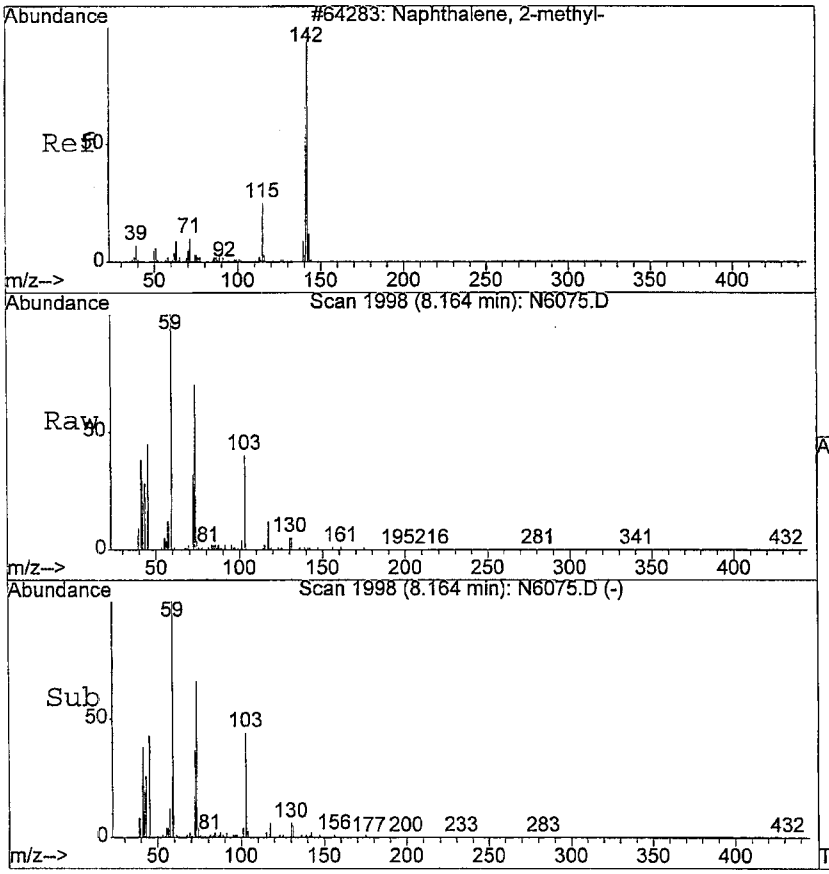
#38
4-Chloro-3-methylphenol
Concen: 1.79 ng/uL
RT: 7.83 min Scan# 1881
Delta R.T. -0.15 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:107 Resp: 22377

Ion	Ratio	Lower	Upper
107	100		
144	26.5	19.8	41.2
142	79.1	60.9	126.5



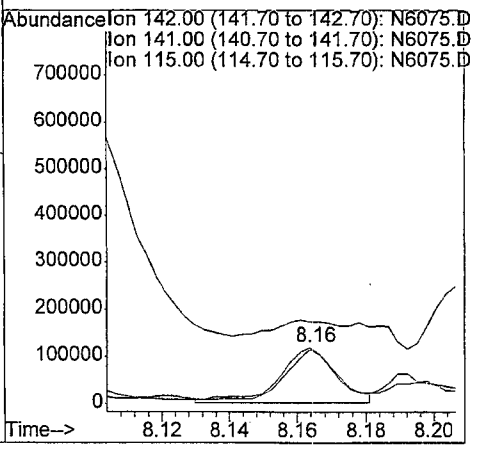
NO



#39
2-Methylnaphthalene
Concen: 4.23 ng/uL
RT: 8.16 min Scan# 1998
Delta R.T. 0.01 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:142 Resp: 137237

Ion	Ratio	Lower	Upper
142	100		
141	72.4	57.7	119.9
115	0.0	20.9	43.3#



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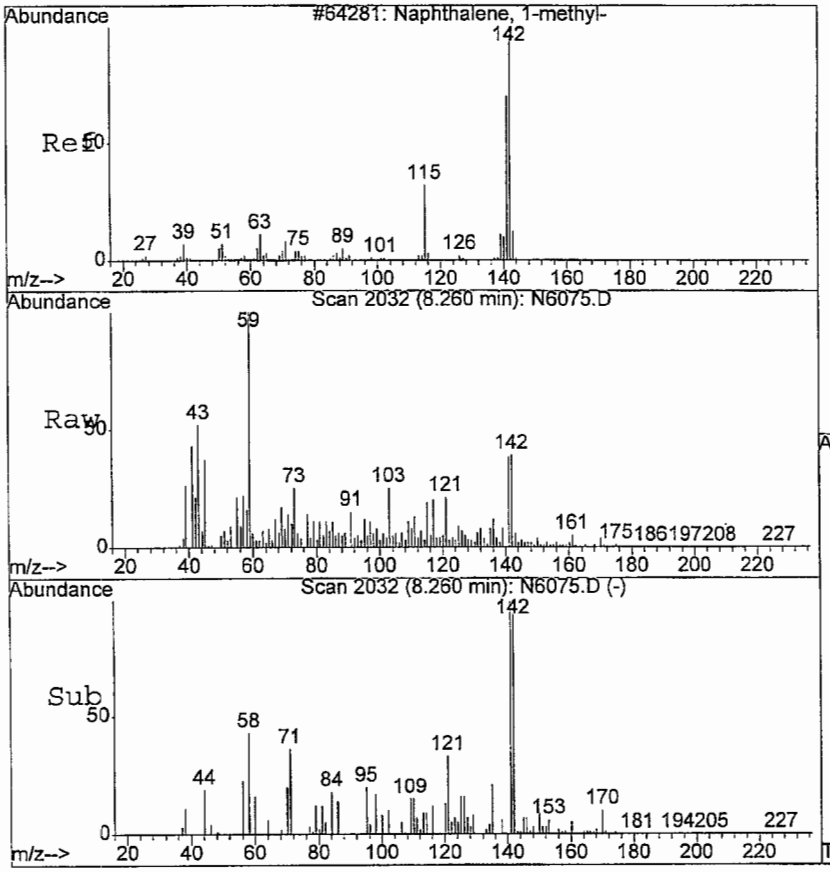
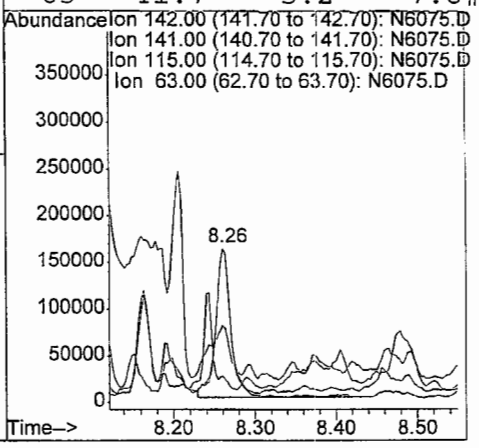
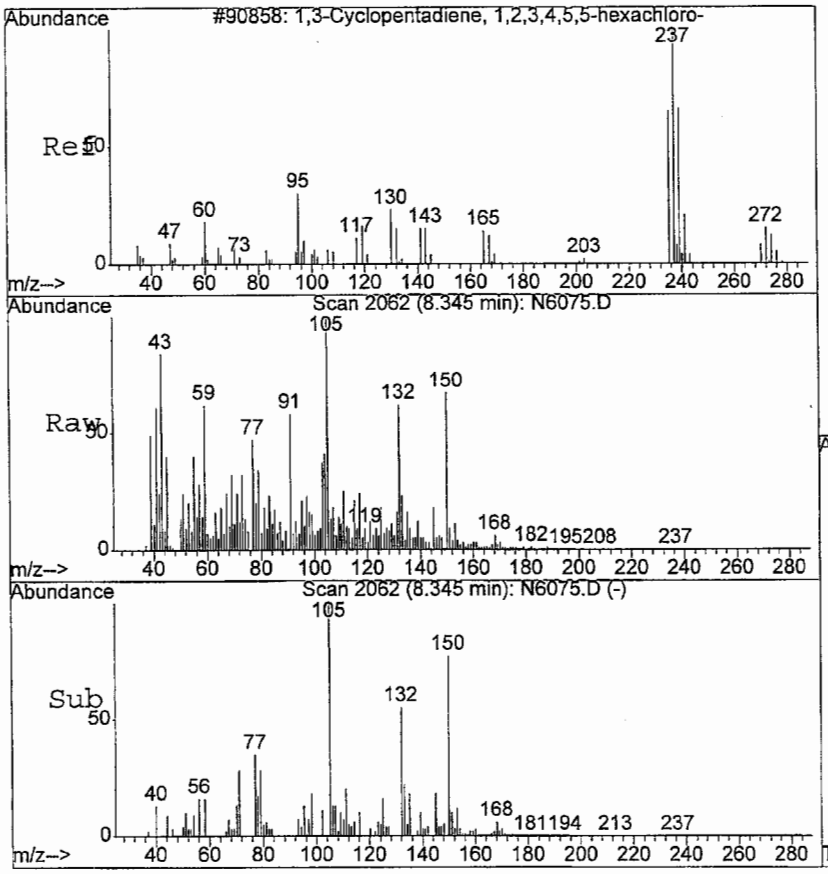


#41
1-Methylnaphthalene
Concen: 4.95 ng/uL
RT: 8.26 min Scan# 2032
Delta R.T. 0.02 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:142 Resp: 209587

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.4	110.0
115	44.7	27.0	40.4#
63	41.7	5.2	7.8#

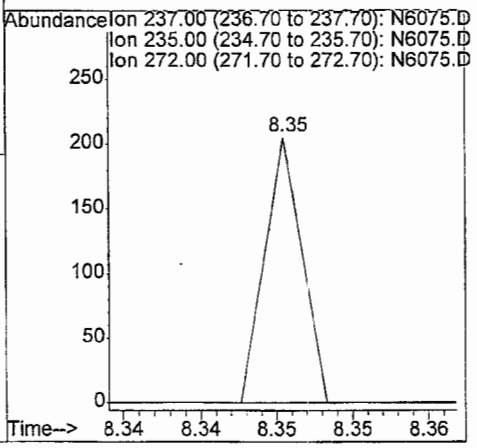


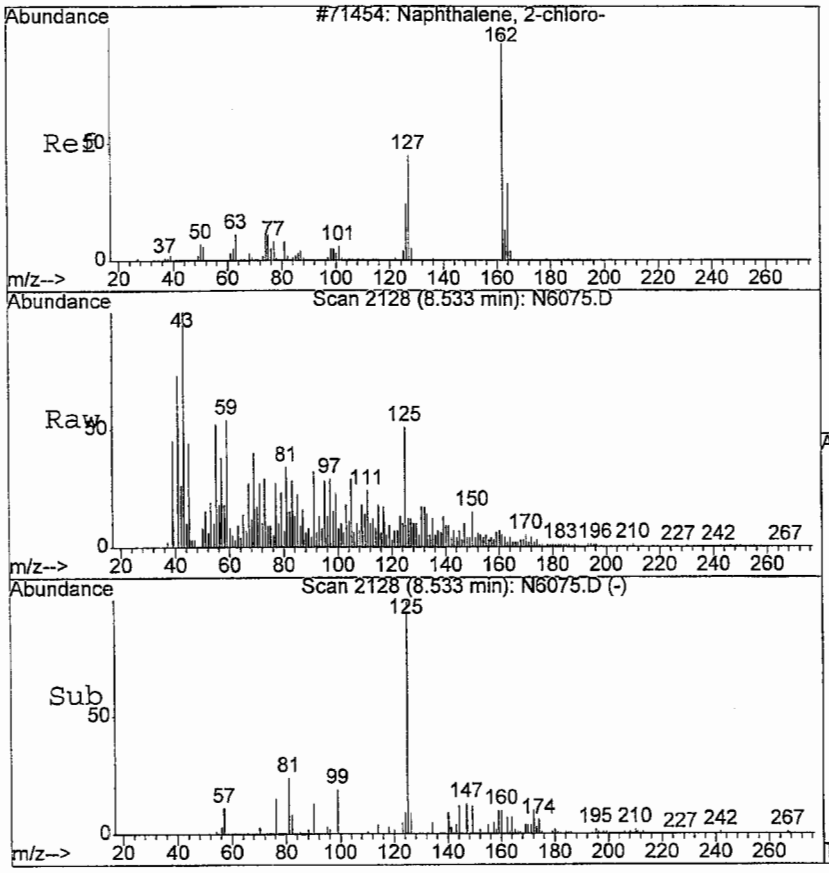


#42
Hexachlorocyclopentadiene
Concen: 5.90 ng/uL
RT: 8.35 min Scan# 2062
Delta R.T. 0.07 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:237 Resp: 35

Ion	Ratio	Lower	Upper
237	100		
235	0.0	48.6	81.0#
272	0.0	10.5	17.5#

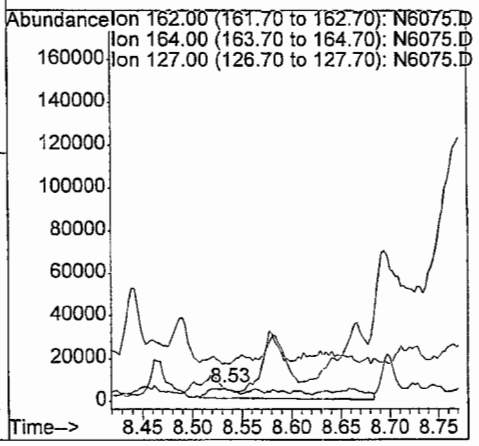




#46
2-Chloronaphthalene
Concen: 0.90 ng/uL
RT: 8.53 min Scan# 2128
Delta R.T. -0.06 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:162 Resp: 35812

Ion	Ratio	Lower	Upper
162	100		
164	0.0	24.8	41.4#
127	7.3	26.5	44.3#



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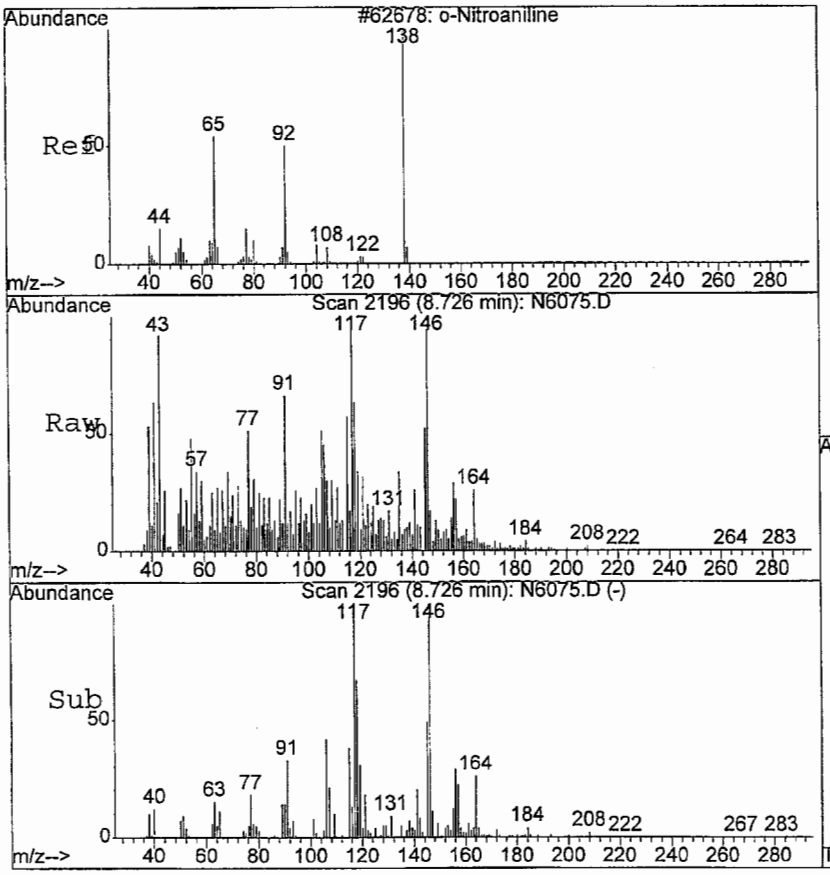
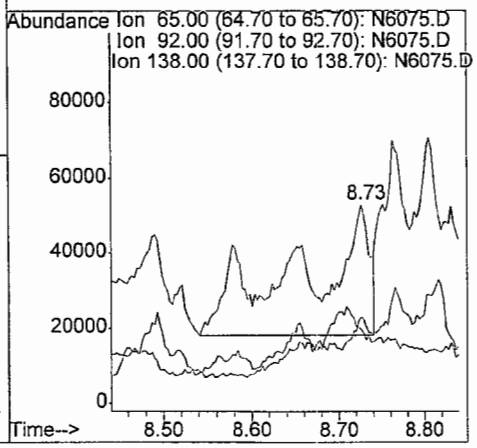


#47
2-Nitroaniline
Concen: 21.39 ng/uL
RT: 8.73 min Scan# 2196
Delta R.T. 0.06 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion: 65 Resp: 182380

Ion	Ratio	Lower	Upper
65	100		
92	38.2	57.4	95.6#
138	48.5	110.8	184.6#



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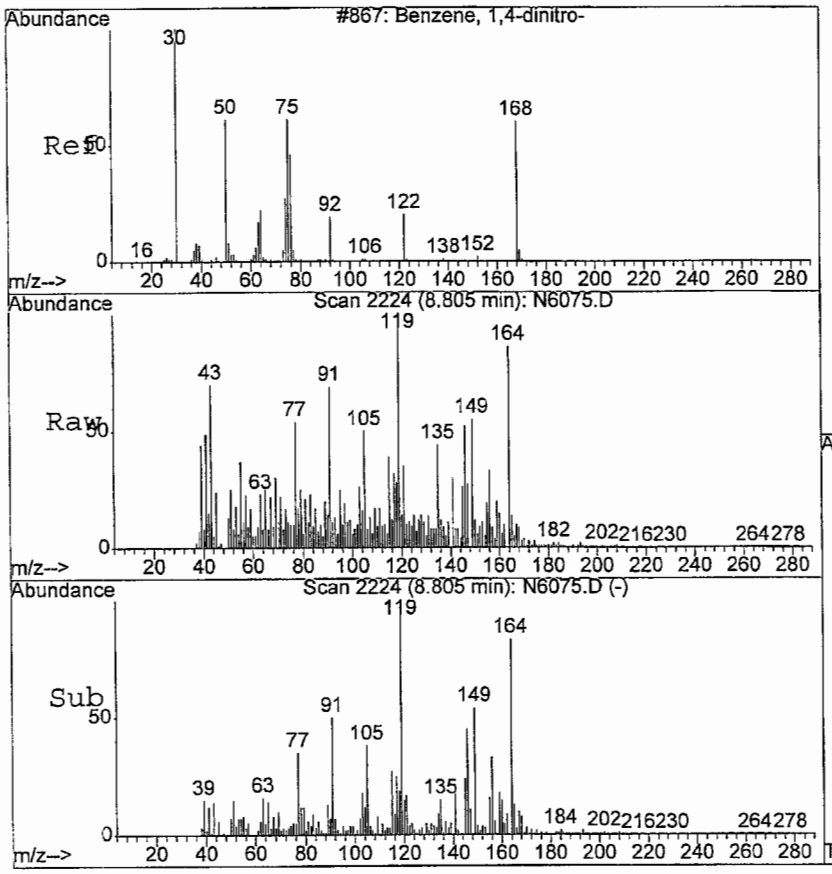
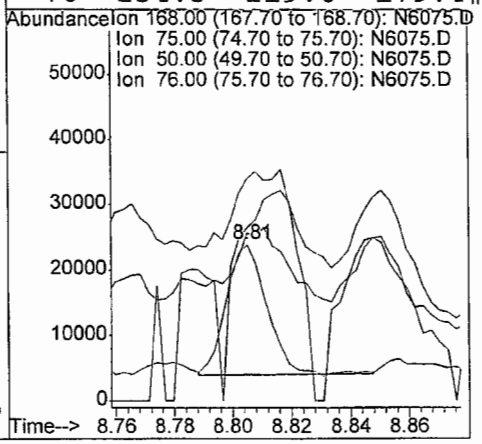


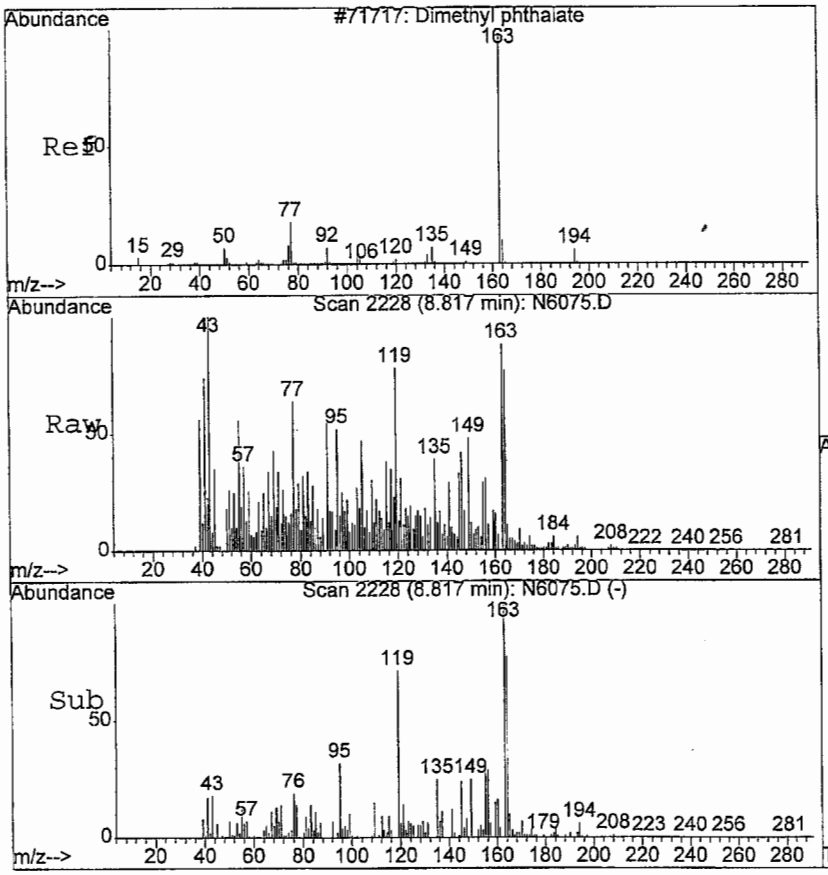
#48
1,4-Dinitrobenzene
Concen: 3.10 ng/uL
RT: 8.81 min Scan# 2224
Delta R.T. 0.02 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:168 Resp: 19171

Ion	Ratio	Lower	Upper
168	100		
75	67.0	94.9	158.1#
50	87.1	89.9	149.9#
76	234.5	119.6	179.4#



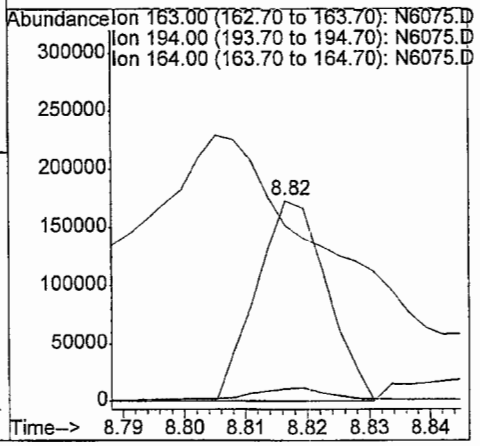
ND



#49
Dimethylphthalate
Concen: 3.30 ng/uL
RT: 8.82 min Scan# 2228
Delta R.T. 0.01 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:163 Resp: 137146

Ion	Ratio	Lower	Upper
163	100		
194	7.1	4.4	7.4
164	585.8	7.8	13.0#



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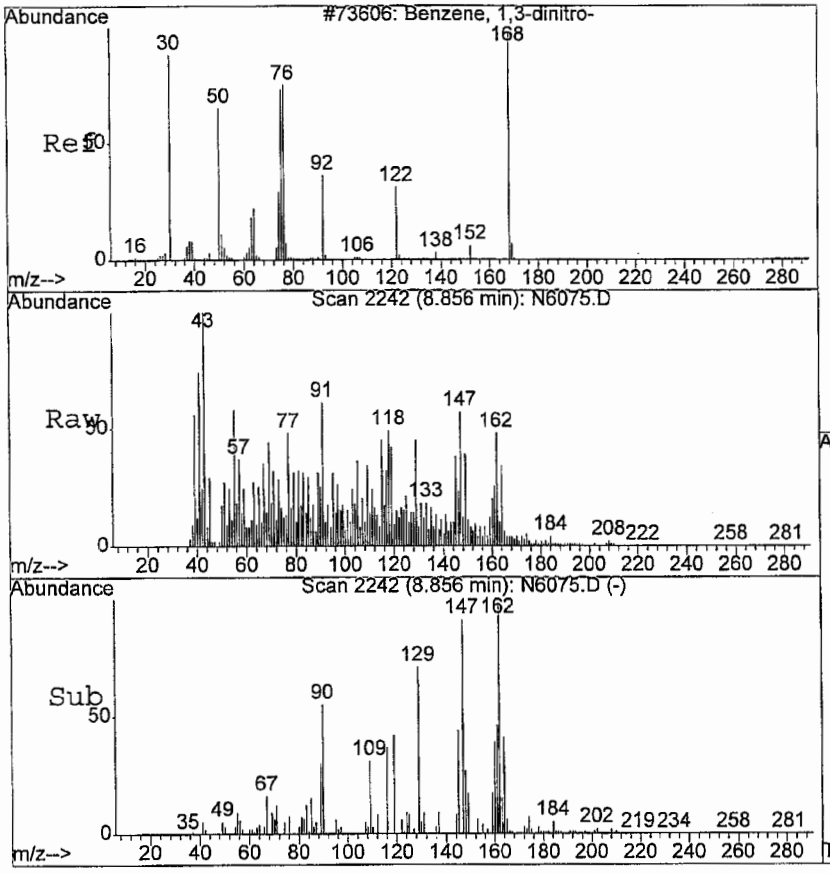
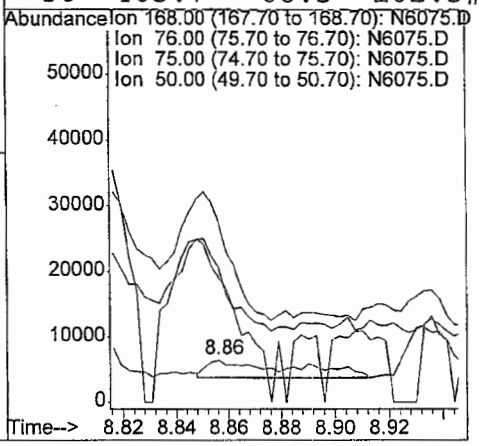
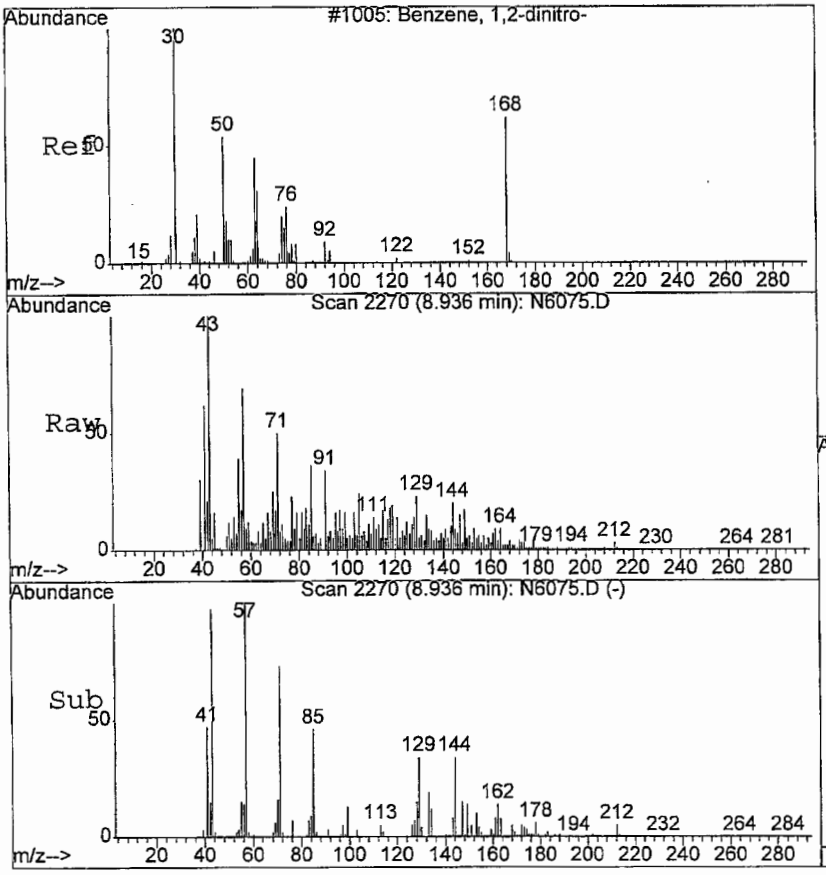


#50
1,3-Dinitrobenzene
Concen: 0.89 ng/uL
RT: 8.86 min Scan# 2242
Delta R.T. 0.00 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:168 Resp: 5951

Ion	Ratio	Lower	Upper
168	100		
76	732.1	87.0	130.6#
75	276.5	91.1	136.7#
50	403.7	68.3	102.5#

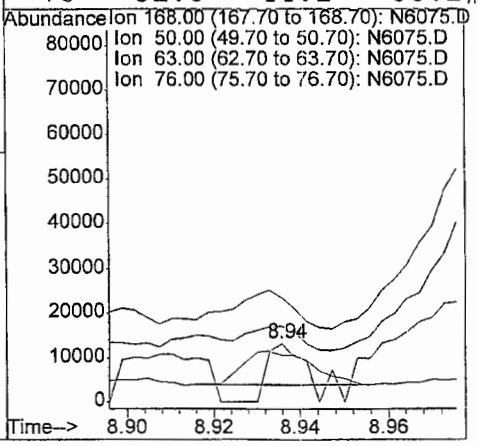


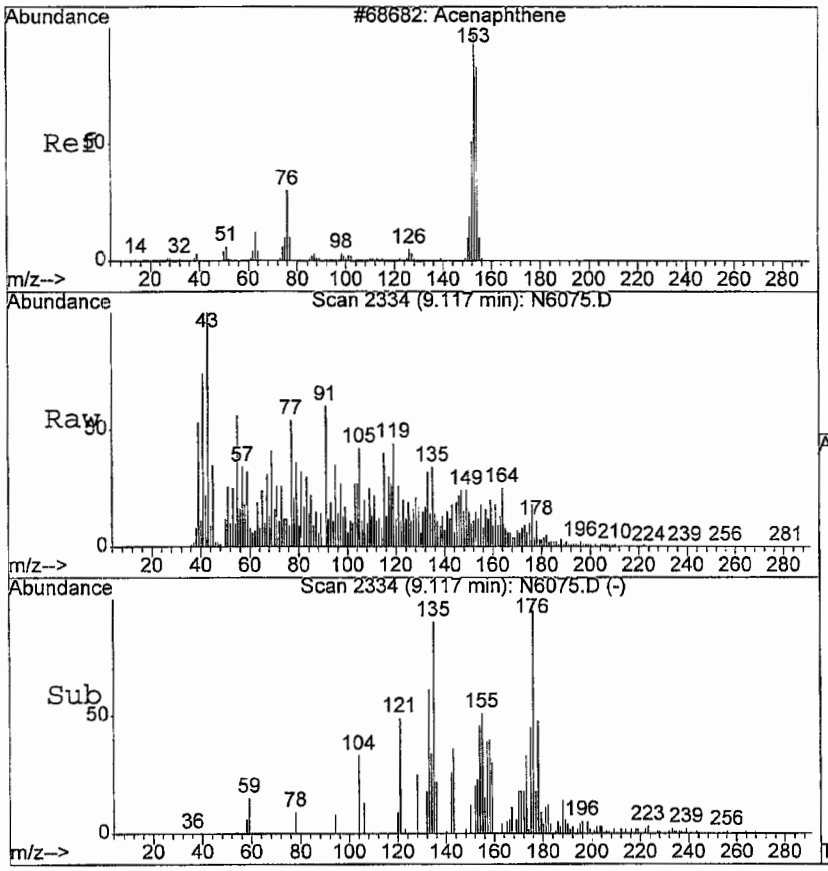


#52
1,2-Dinitrobenzene
Concen: 2.02 ng/uL
RT: 8.94 min Scan# 2270
Delta R.T. 0.00 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:168 Resp: 8825

Ion	Ratio	Lower	Upper
168	100		
50	0.0	80.8	121.2#
63	106.0	76.9	115.3
76	81.6	44.2	66.2#

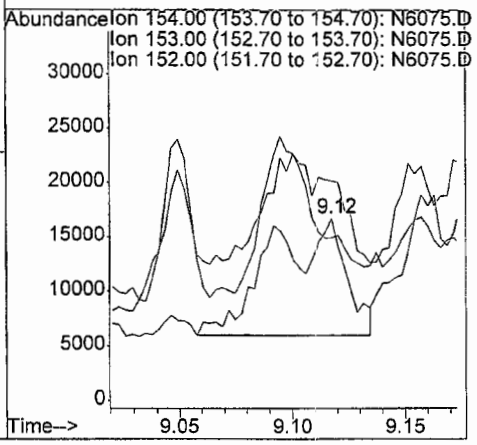




#55
Acenaphthene
Concen: 0.60 ng/uL
RT: 9.12 min Scan# 2334
Delta R.T. 0.01 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:154 Resp: 24280

Ion	Ratio	Lower	Upper
154	100		
153	82.6	78.2	130.3
152	223.2	37.1	61.9#



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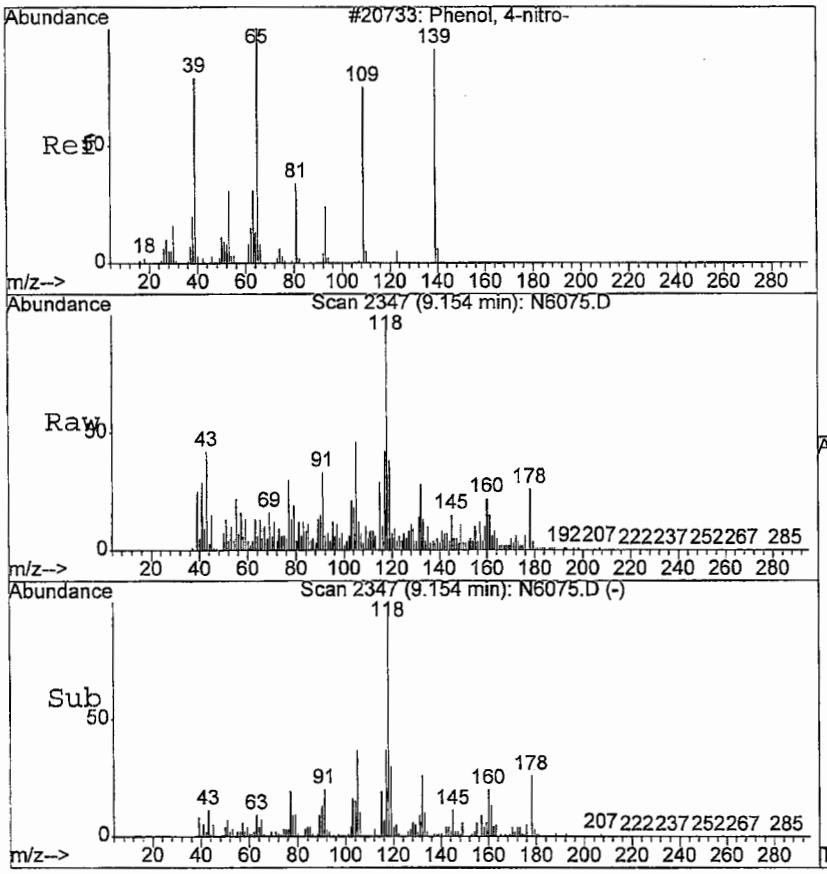
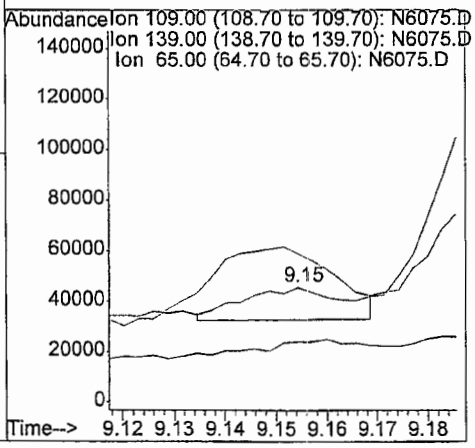


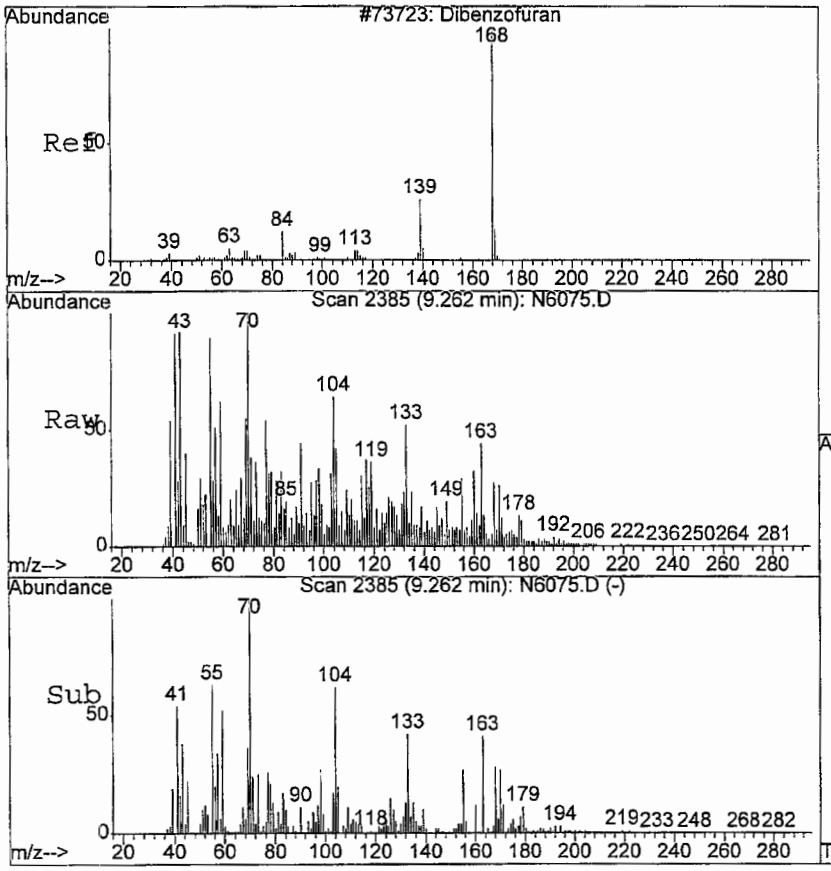
#57
4-Nitrophenol
Concen: 3.96 ng/uL
RT: 9.15 min Scan# 2347
Delta R.T. 0.01 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:109 Resp: 17688

Ion	Ratio	Lower	Upper
109	100		
139	0.0	114.3	190.5#
65	318.9	89.8	149.6#



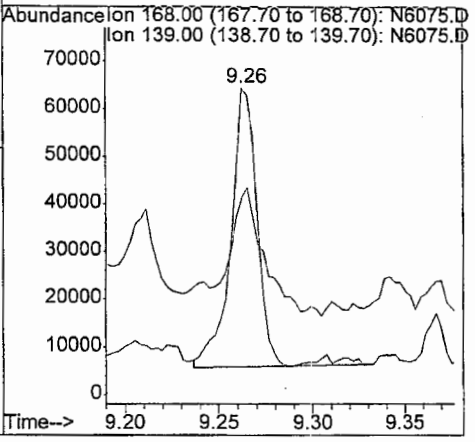
NC

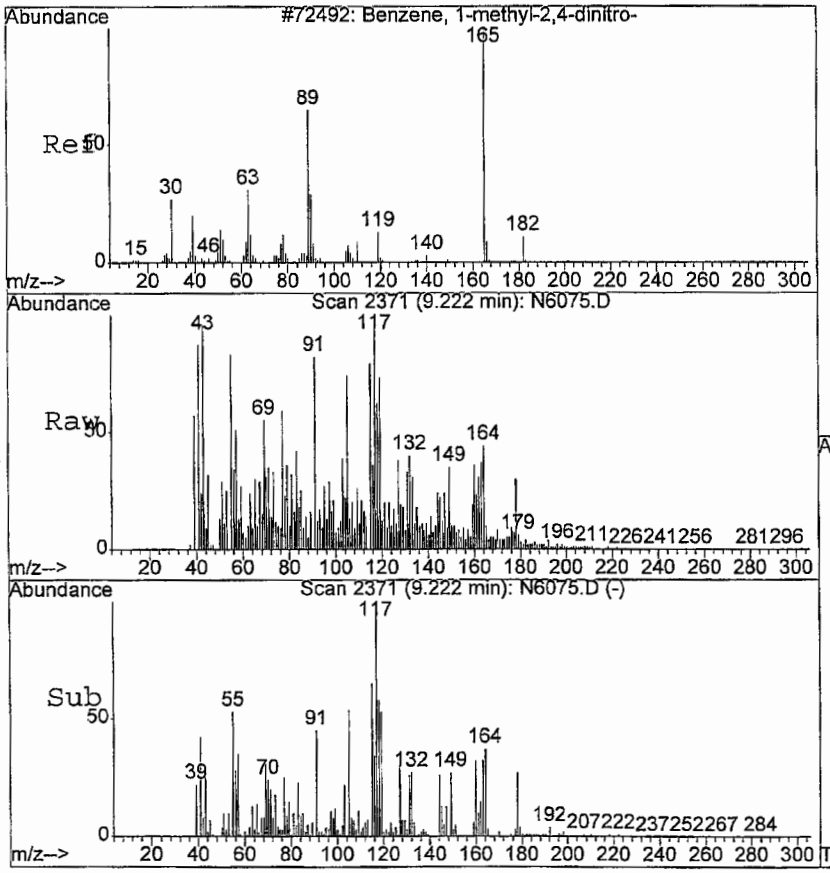


#58
Dibenzofuran
Concen: 1.11 ng/uL
RT: 9.26 min Scan# 2385
Delta R.T. 0.01 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:168 Resp: 57548

Ion	Ratio	Lower	Upper
168	100		
139	56.1	27.4	45.6#

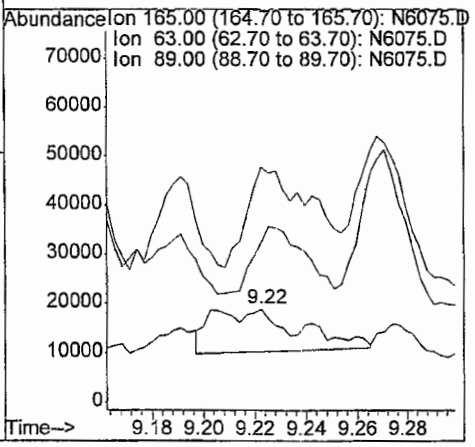


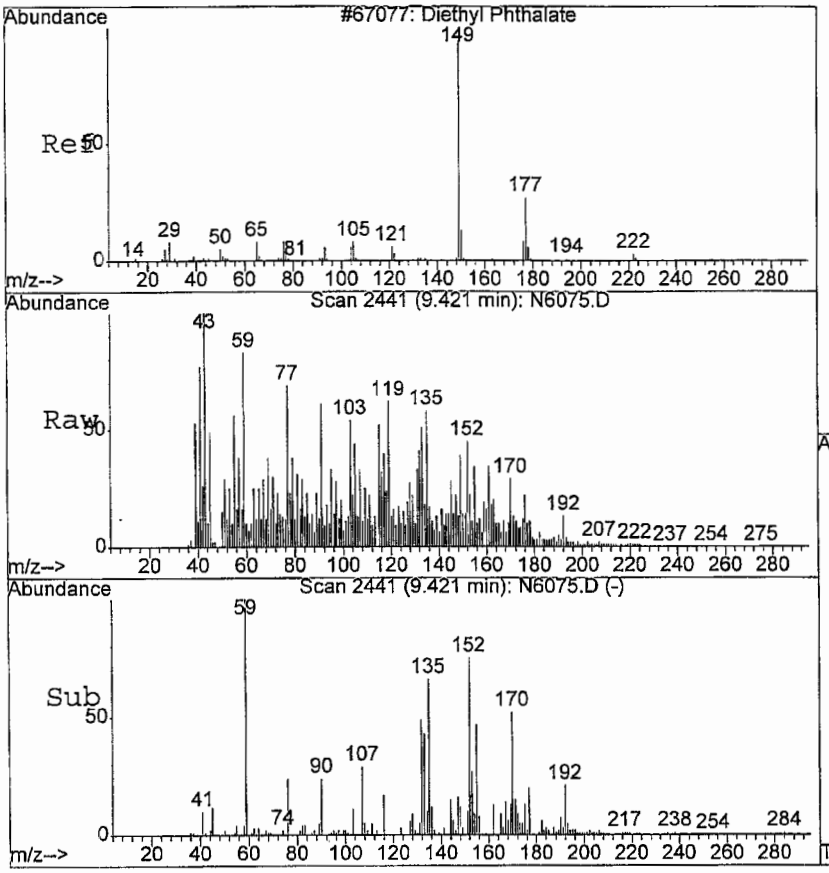


#59
2,4-Dinitrotoluene
Concen: 1.70 ng/uL
RT: 9.22 min Scan# 2371
Delta R.T. 0.00 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:165 Resp: 20129

Ion	Ratio	Lower	Upper
165	100		
63	174.1	29.8	49.6#
89	109.8	50.5	84.1#

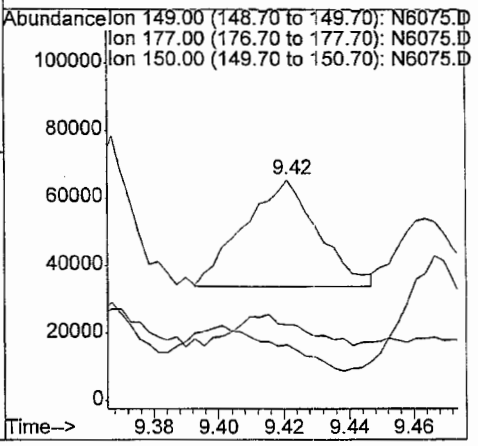




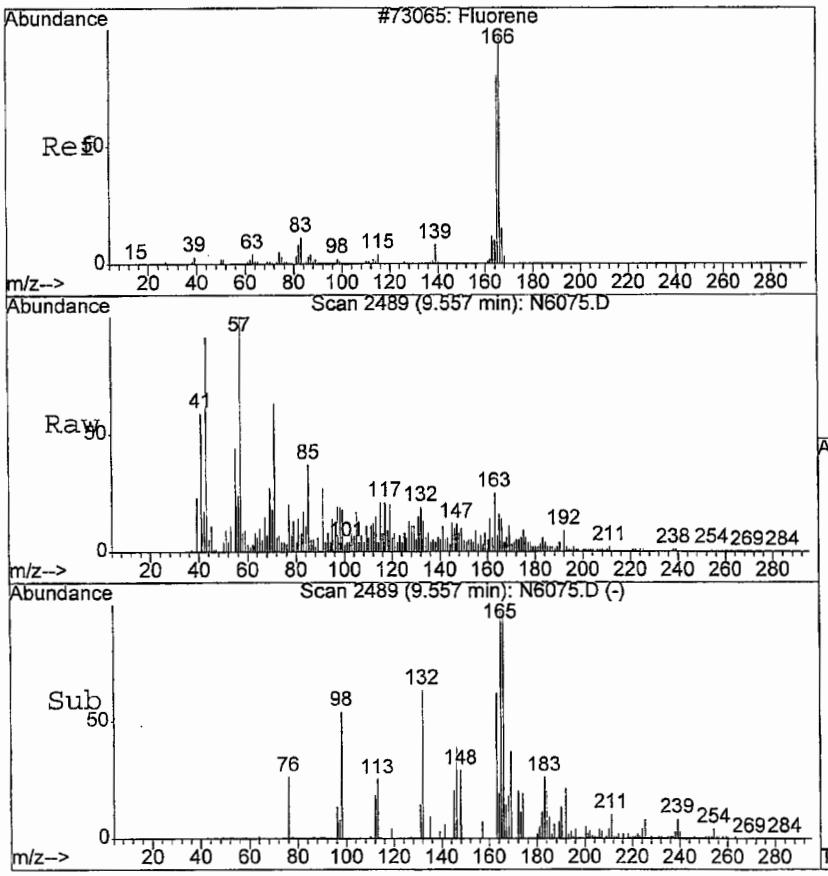
#62
Diethylphthalate
Concen: 1.22 ng/uL
RT: 9.42 min Scan# 2441
Delta R.T. 0.03 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:149 Resp: 49489

Ion	Ratio	Lower	Upper
149	100		
177	0.0	16.4	27.4#
150	54.6	9.4	15.6#



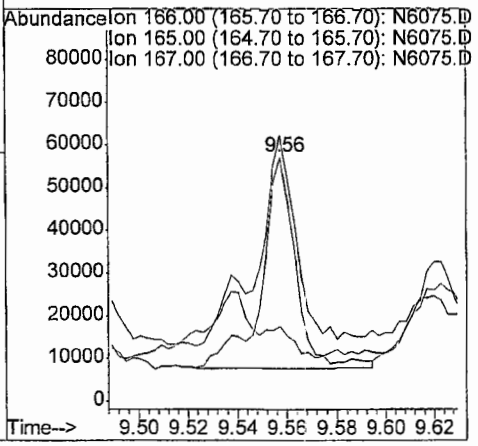
NC



#63
Fluorene
Concen: ~~1.10~~ ng/uL
RT: 9.56 min Scan# 2489
Delta R.T. 0.01 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:166 Resp: 47563

Ion	Ratio	Lower	Upper
166	100		
165	73.4	71.0	118.4
167	0.0	10.3	17.1#



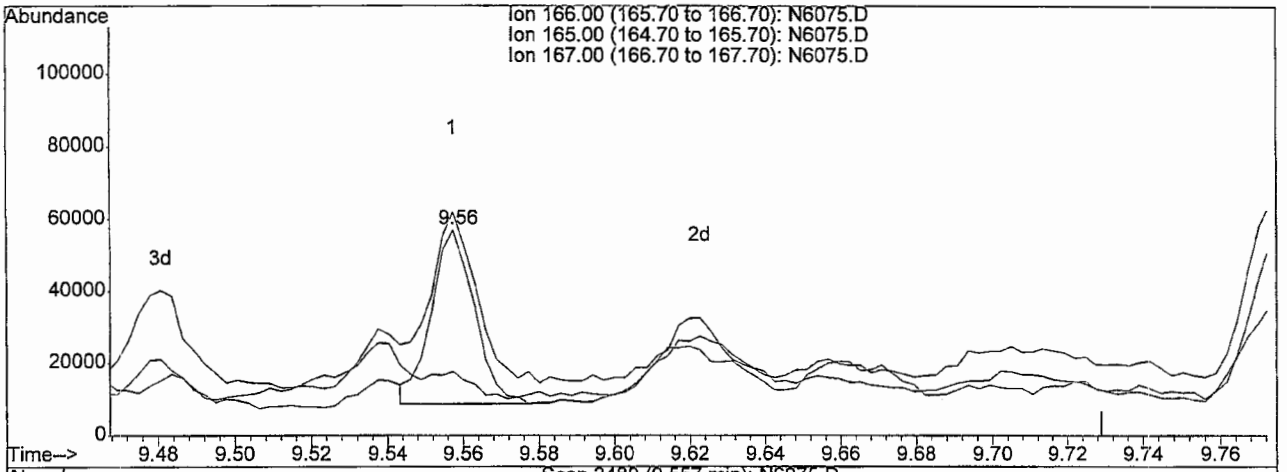
✓ Before

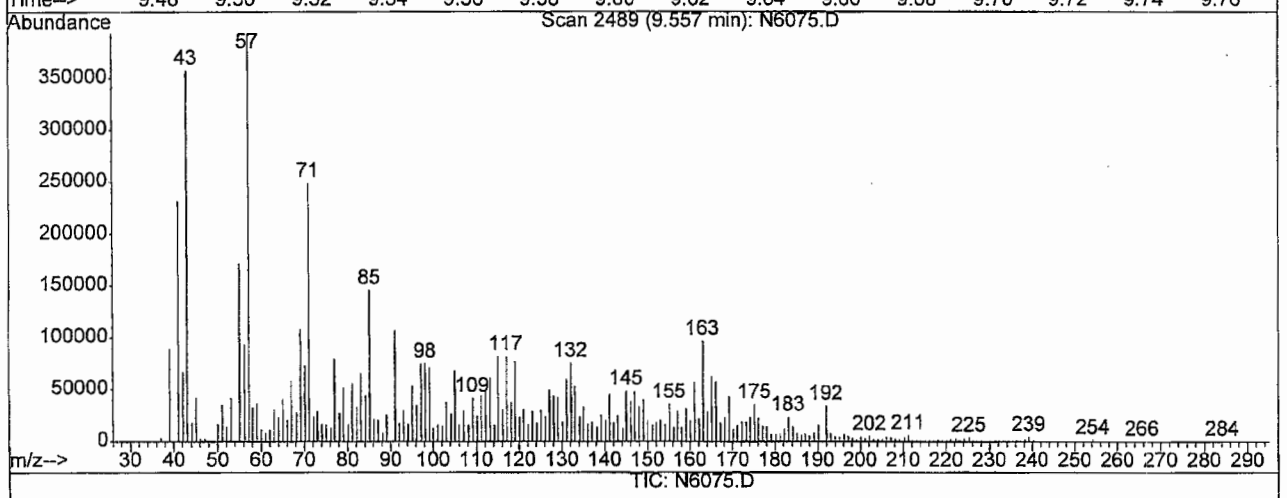
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6075.D
Acq On : 1 Jul 2005 4:17 pm
Sample : 0506217-11
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 12:48 2005

Vial: 14
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Sun Jul 03 14:48:17 2005
Response via : Multiple Level Calibration





(63) Fluorene (T)

9.56min 0.87ng/uL m

response 37858

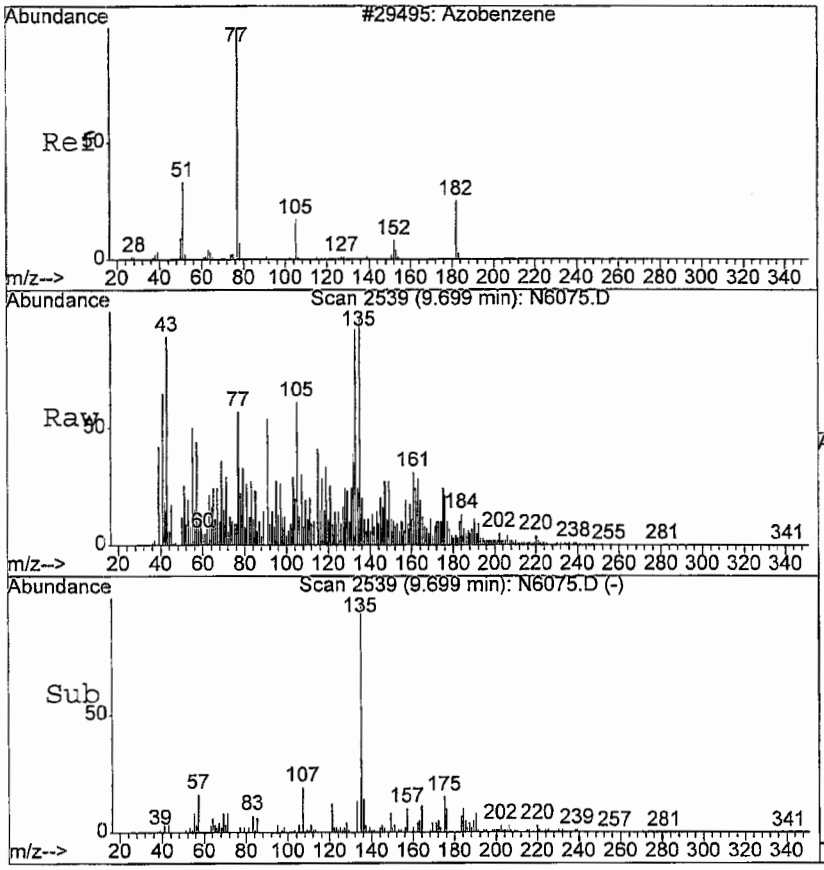
Ion	Exp%	Act%
166.00	100	100
165.00	94.70	92.16
167.00	13.70	0.00#
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JL *date* 7-5-05

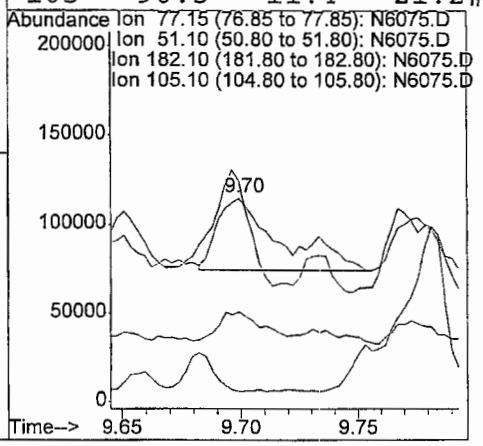
N6075.D 061705S1.M Tue Jul 05 12:48:35 2005



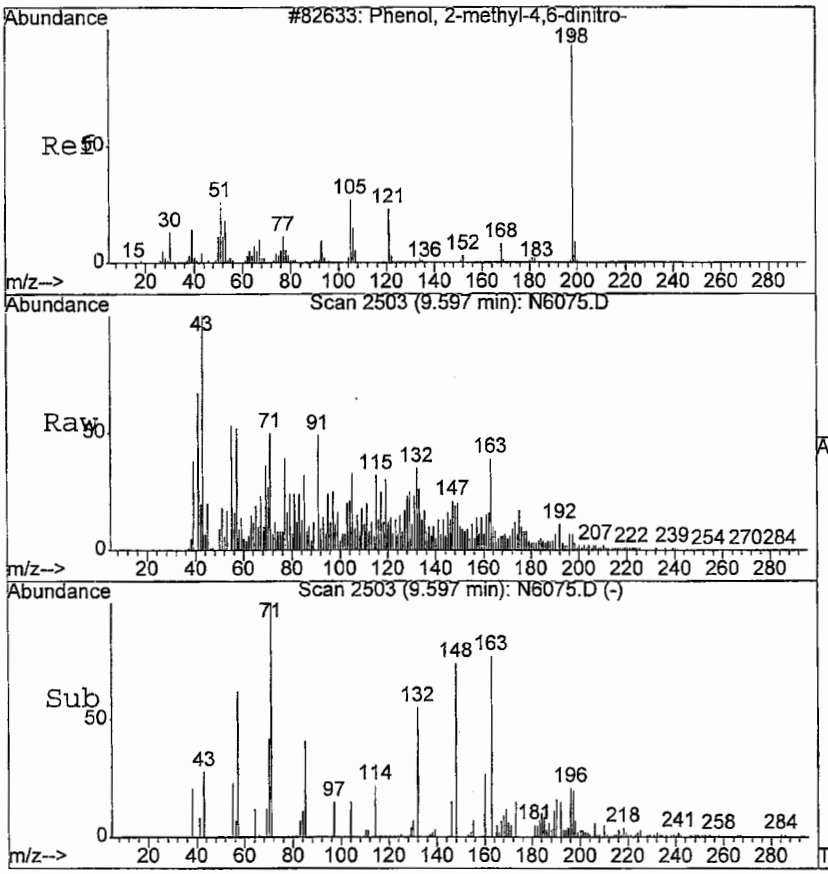
#66
Azobenzene
Concen: 2.26 ng/uL
RT: 9.70 min Scan# 2539
Delta R.T. 0.04 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion: 77 Resp: 76272

Ion	Ratio	Lower	Upper
77	100		
51	47.0	21.8	40.4#
182	24.5	22.4	41.6
105	90.5	11.4	21.2#



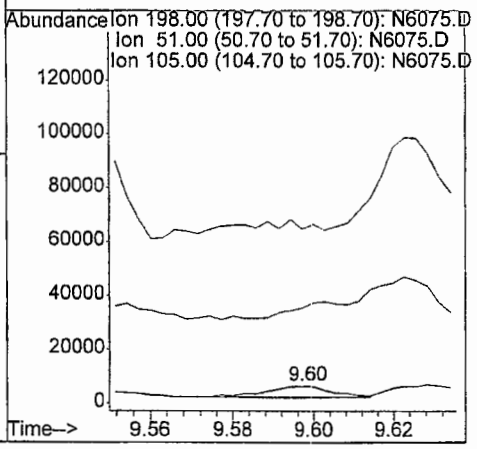
NC



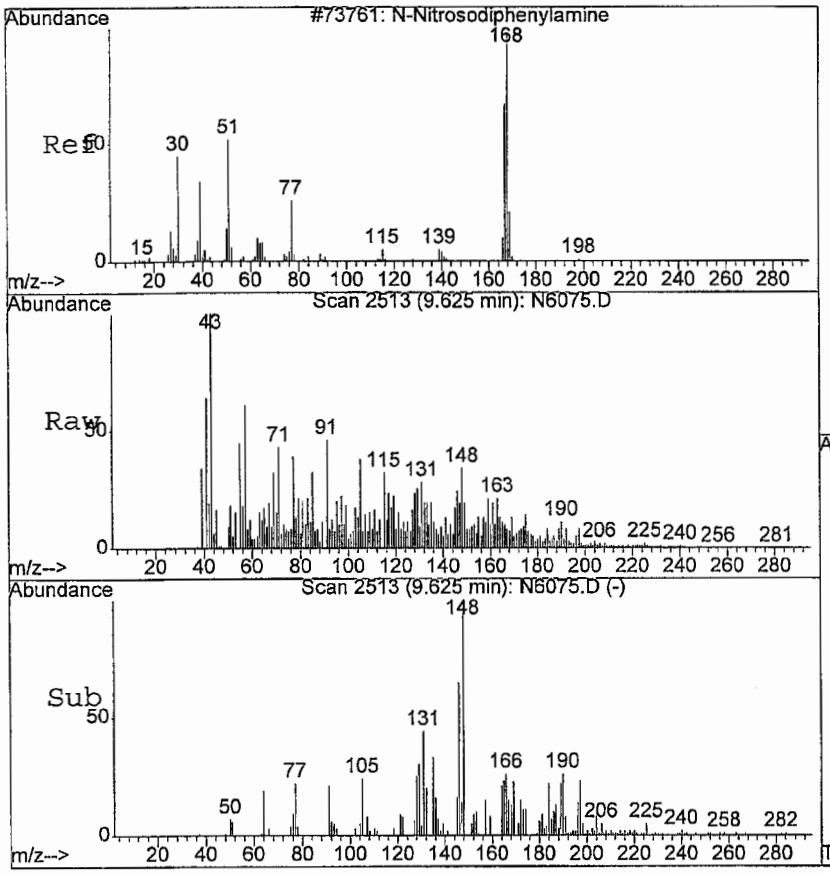
#69
4,6-Dinitro-2-methylphenol
Concen: 0.58 ng/uL
RT: 9.60 min Scan# 2503
Delta R.T. 0.02 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:198 Resp: 4445

Ion	Ratio	Lower	Upper
198	100		
51	174.4	0.0	77.6#
105	0.0	33.8	50.8#



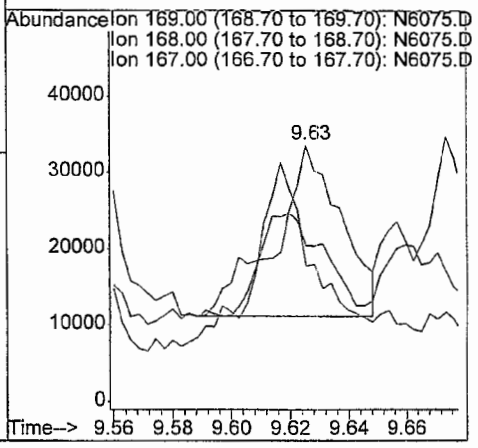
NC

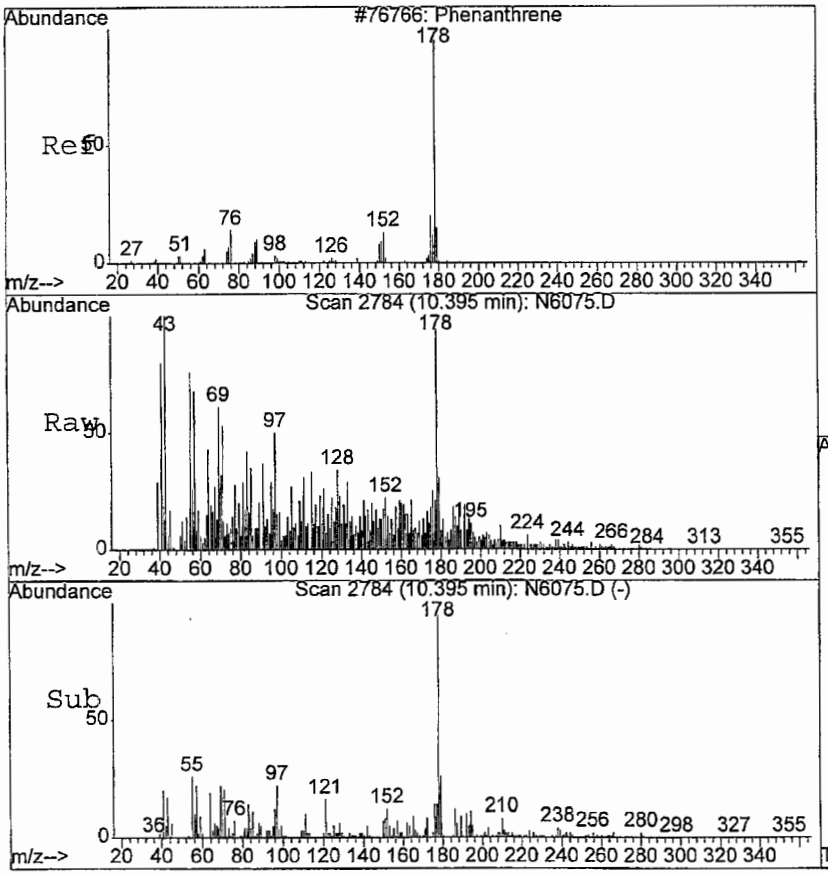


#70
n-Nitrosodiphenylamine
Concen: 0.85 ng/uL
RT: 9.63 min Scan# 2513
Delta R.T. 0.00 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:169 Resp: 35246

Ion	Ratio	Lower	Upper
169	100		
168	110.7	51.2	85.3#
167	66.1	27.2	45.4#

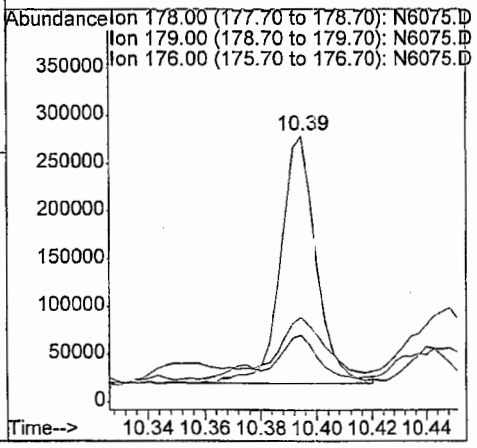


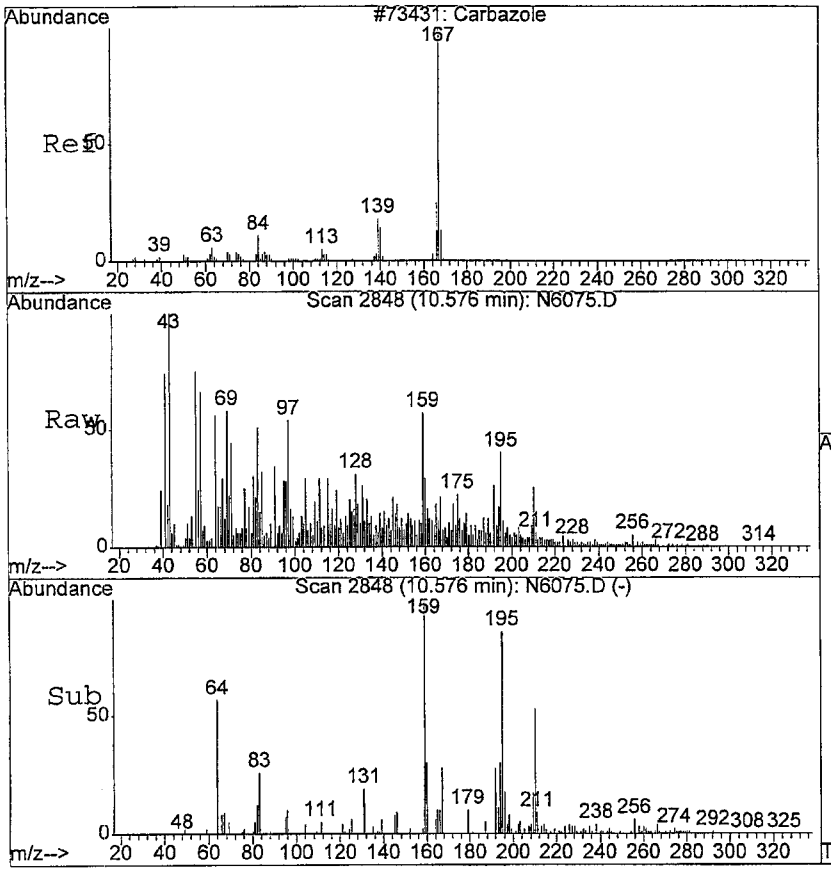


#74
Phenanthrene
Concen: 3.46 ng/uL
RT: 10.39 min Scan# 2784
Delta R.T. 0.01 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:178 Resp: 228430

Ion	Ratio	Lower	Upper
178	100		
179	23.0	11.9	19.9#
176	21.5	14.6	24.4

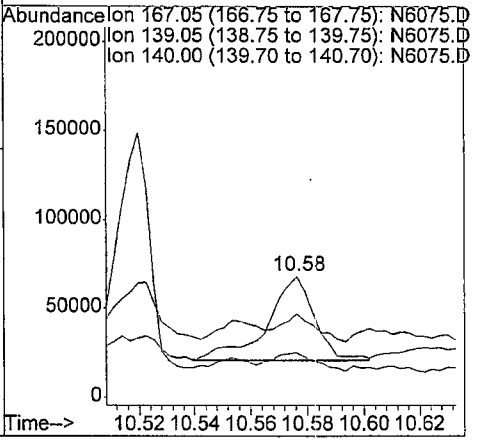




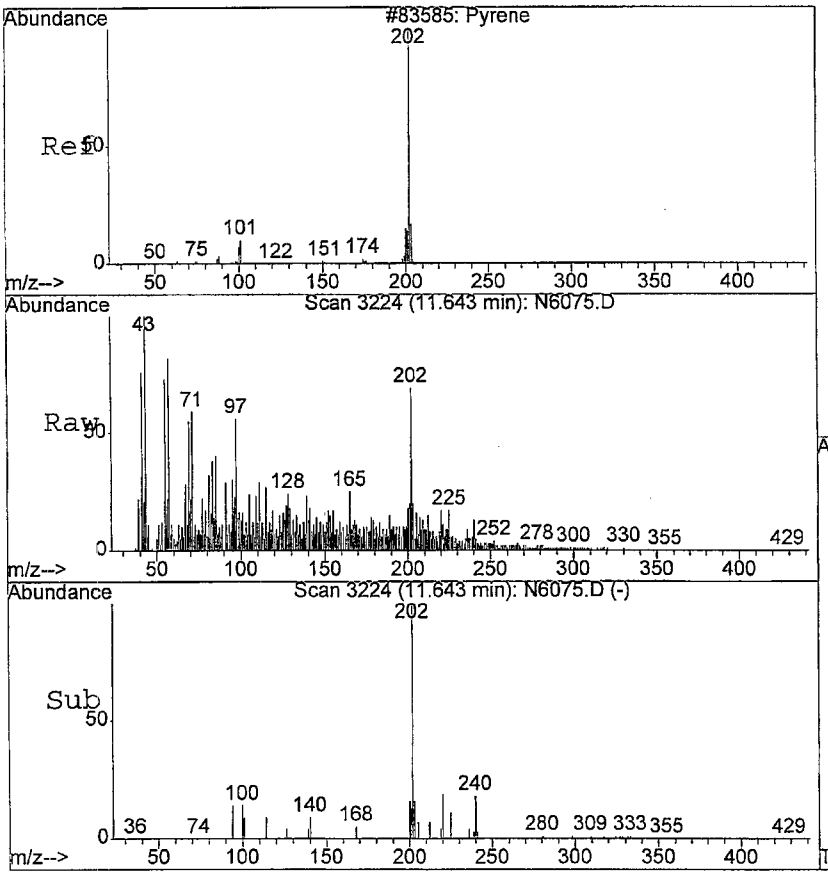
#76
Carbazole
Concen: ~~0.90~~ ng/uL
RT: 10.58 min Scan# 2848
Delta R.T. 0.03 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:167 Resp: 54397

Ion	Ratio	Lower	Upper
167	100		
139	21.3	10.2	15.2#
140	19.6	7.5	11.3#



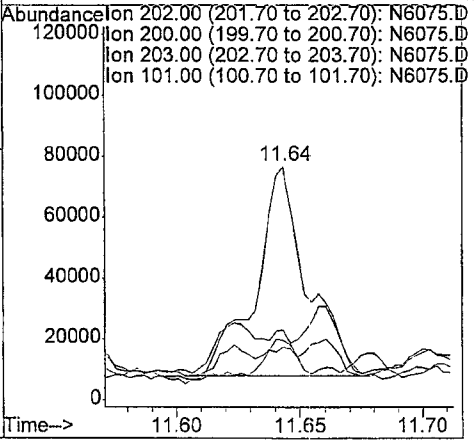
✓ before DOC



#81
Pyrene
Concen: 6.39 ng/uL
RT: 11.64 min Scan# 3224
Delta R.T. 0.00 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:202 Resp: 97564

Ion	Ratio	Lower	Upper
202	100		
200	17.8	15.9	26.5
203	0.0	13.6	22.6#
101	0.0	12.2	18.2#



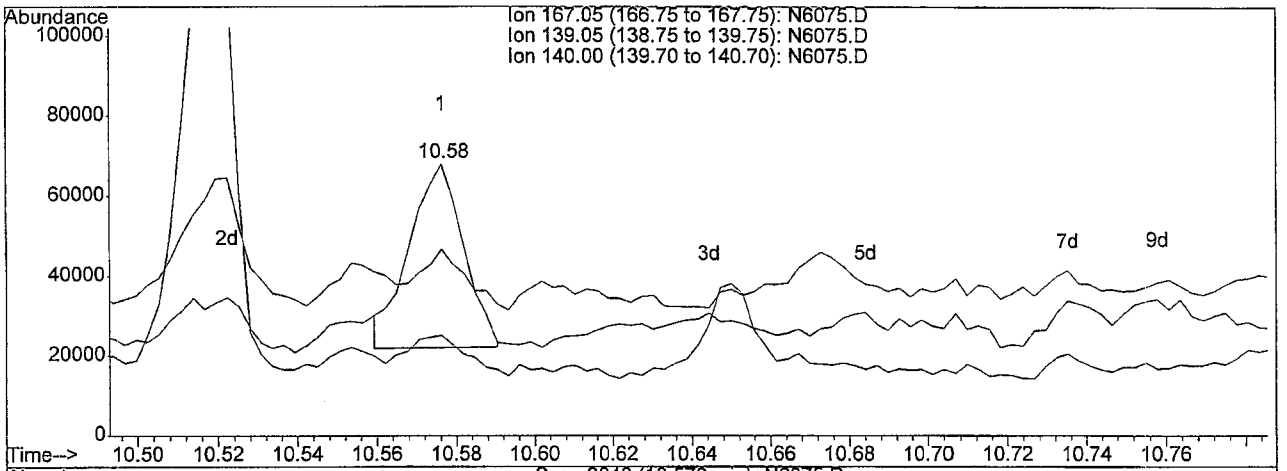
✓ before

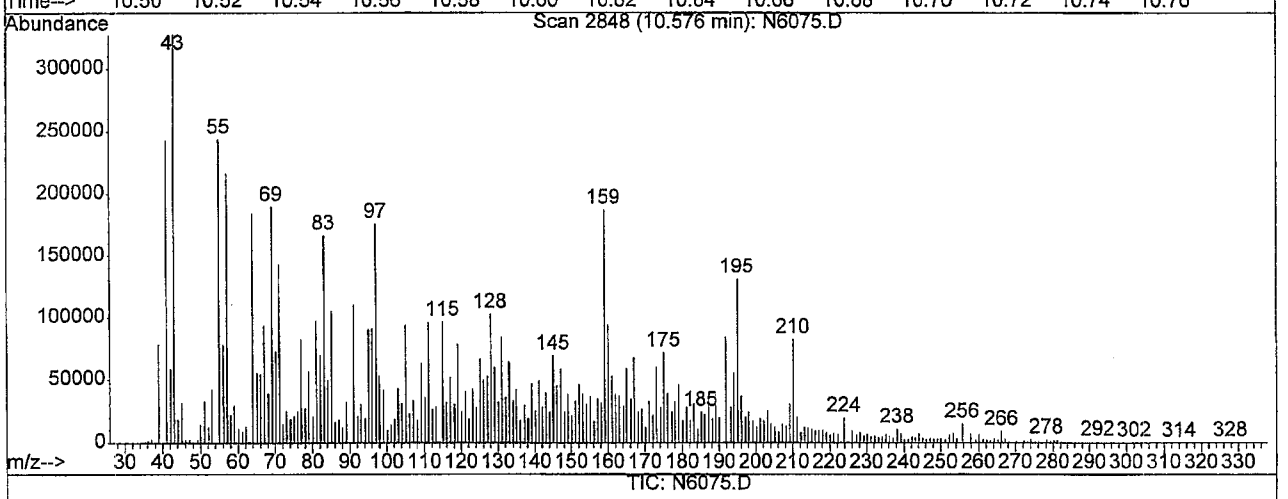
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6075.D
Acq On : 1 Jul 2005 4:17 pm
Sample : 0506217-11
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 12:49 2005

Vial: 14
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Sun Jul 03 14:48:17 2005
Response via : Multiple Level Calibration





(76) Carbazole (T)

10.58min 0.72ng/uL m

response 43469

Ion	Exp%	Act%
167.05	100	100
139.05	12.70	26.67#
140.00	9.40	24.56#
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-5-05

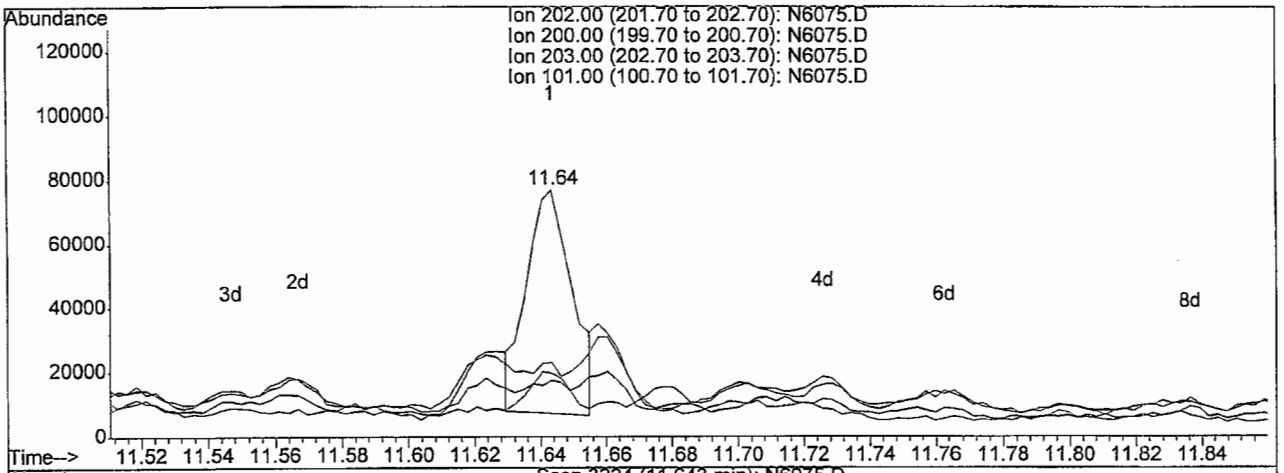
N6075.D 061705S1.M Tue Jul 05 12:49:17 2005

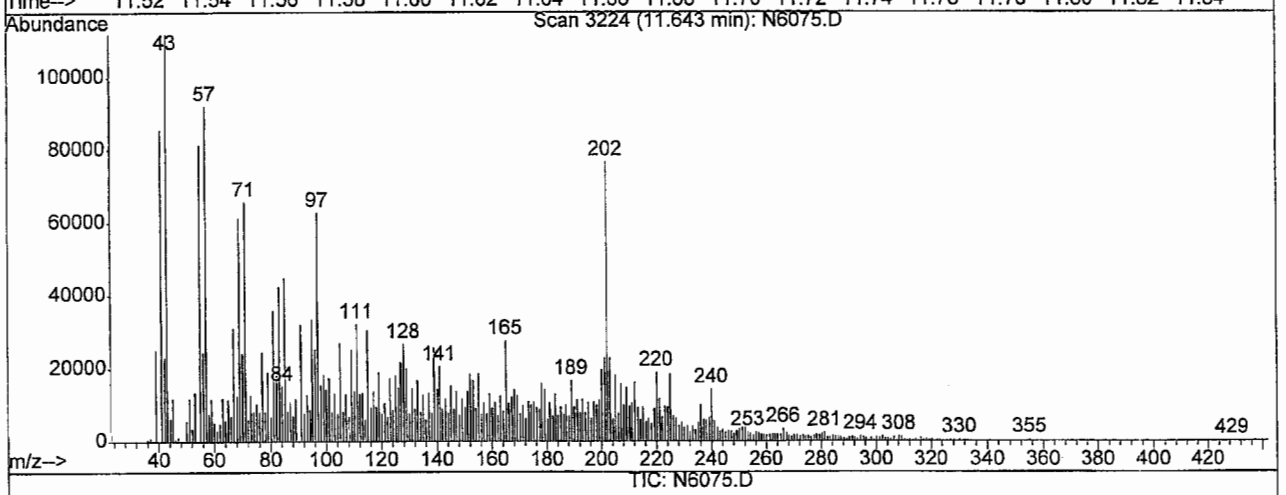
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6075.D
Acq On : 1 Jul 2005 4:17 pm
Sample : 0506217-11
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 12:49 2005

Vial: 14
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Sun Jul 03 14:48:17 2005
Response via : Multiple Level Calibration





TIC: N6075.D

(81) Pyrene (TM)

11.64min 4.42ng/uL m

response 67417

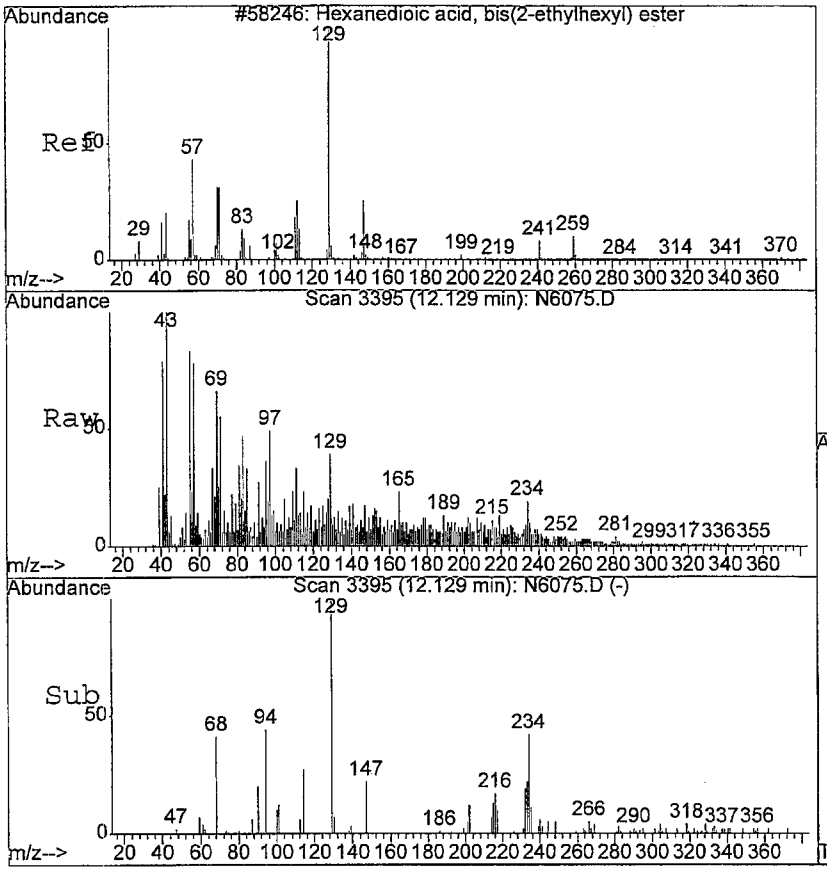
Ion	Exp%	Act%
202.00	100	100
200.00	21.20	25.83
203.00	18.10	0.00#
101.00	15.20	0.00#

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JM *date* 7-5-05

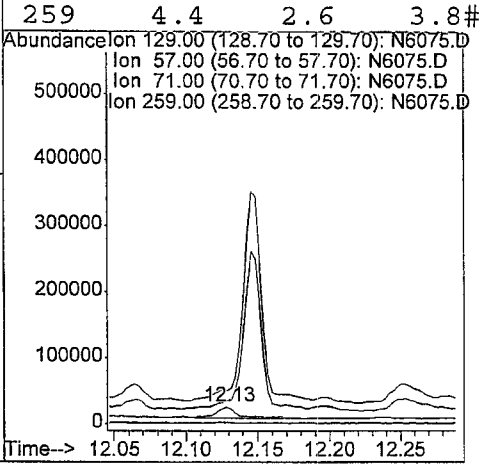
N6075.D 061705S1.M Tue Jul 05 12:49:42 2005

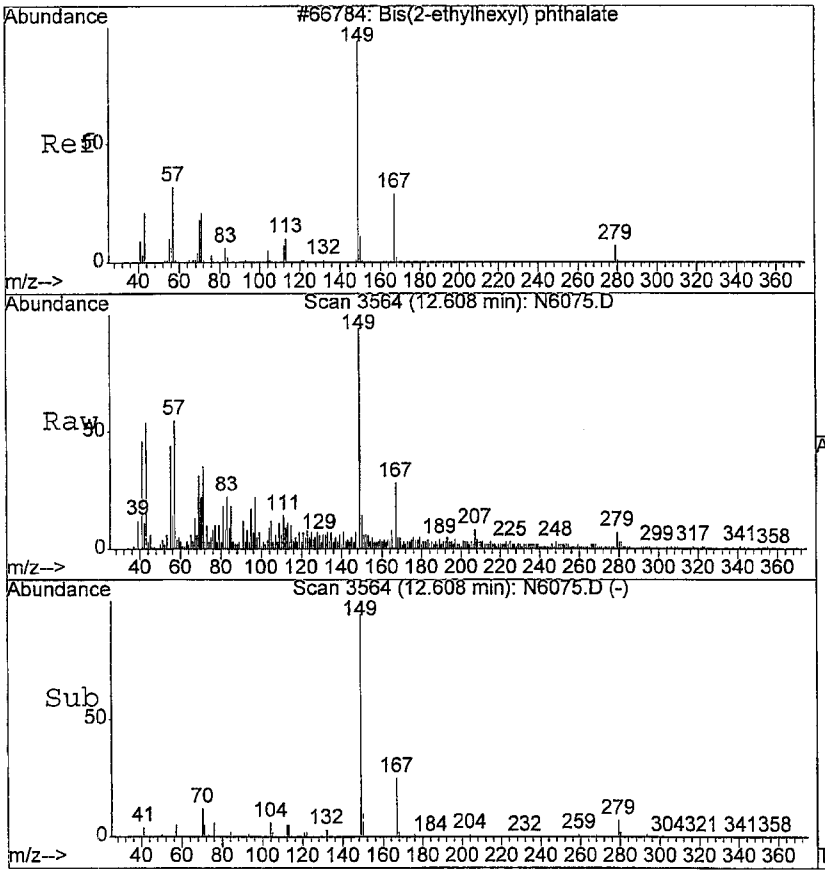


#84
Bis(2-ethylhexyl) adipate
Concen: 3.25 ng/uL
RT: 12.13 min Scan# 3395
Delta R.T. -0.01 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:129 Resp: 21050

Ion	Ratio	Lower	Upper
129	100		
57	1476.1	33.1	49.7#
71	998.8	19.0	28.4#
259	4.4	2.6	3.8#

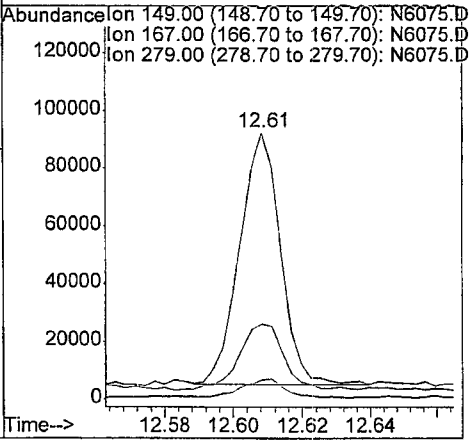




#88
Bis(2-ethylhexyl)phthalate
Concen: 8.01 ng/uL
RT: 12.61 min Scan# 3564
Delta R.T. -0.01 min
Lab File: N6075.D
Acq: 1 Jul 2005 4:17 pm

Tgt Ion:149 Resp: 71376

Ion	Ratio	Lower	Upper
149	100		
167	28.4	21.6	36.0
279	7.8	5.7	9.5



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6076.D
Acq On : 1 Jul 2005 5:02 pm
Sample : 0506217-11 20X
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 17:28 2005

Vial: 15
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.27	152	473943	40.00	ng/uL	0.00
23) Naphthalene-d8	7.51	136	1673264	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.07	164	986071	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.36	188	1544400	40.00	ng/uL	0.00
79) Chrysene-d12	12.75	240	1364548	40.00	ng/uL	0.00
90) Perylene-d12	14.25	264	846001	40.00	ng/uL	0.00

System Monitoring Compounds							
4) 2-Fluorophenol	4.74	112	37437	2.49	ng/uL	0.00	20X
Spiked Amount 75.000	Range 21 - 100		Recovery = 3.32%#				DILUTED
5) 2-Chlorophenol-d4	6.04	132	44157	2.53	ng/uL	0.00	
Spiked Amount 75.000	Range 33 - 110		Recovery = 3.37%#				
7) Phenol-d5	5.86	99	51191	3.13	ng/uL	0.00	
Spiked Amount 75.000	Range 15 - 104		Recovery = 4.17%#				
14) 1,2-Dichlorobenzene-d4	6.43	152	17750	1.58	ng/uL	0.00	
Spiked Amount 50.000	Range 16 - 110		Recovery = 3.16%#				
24) Nitrobenzene-d5	6.83	82	31207	2.04	ng/uL	-0.01	
Spiked Amount 50.000	Range 34 - 111		Recovery = 4.08%#				
45) 2-Fluorobiphenyl	8.46	172	54744	1.49	ng/uL	0.00	OUT
Spiked Amount 50.000	Range 21 - 106		Recovery = 2.98%#				
67) 2,4,6-Tribromophenol	9.75	330	9577	2.33	ng/uL	0.00	
Spiked Amount 75.000	Range 23 - 100		Recovery = 3.11%#				
82) p-Terphenyl-d14	11.72	244	30639	0.84	ng/uL	0.00	
Spiked Amount 50.000	Range 33 - 111		Recovery = 1.68%#				

Target Compounds						Qvalue
8) Phenol	5.87	94	1429323	93.66	ng/uL	96
16) Benzyl Alcohol	6.50	108	159984	17.16	ng/uL#	39
17) Bis(2-chloroisopropyl)ethe	6.48	45	19233	1.77	ng/uL#	23
18) 2-Methylphenol	6.50	107	150270	12.58	ng/uL#	89
20) 3+4-Methylphenol	6.65	108	394075	23.39	ng/uL#	44
26) Nitrobenzene	6.65	77	137068	6.89	ng/uL#	49
30) 2,4-Dimethylphenol	7.18	107	30236	2.06	ng/uL	97

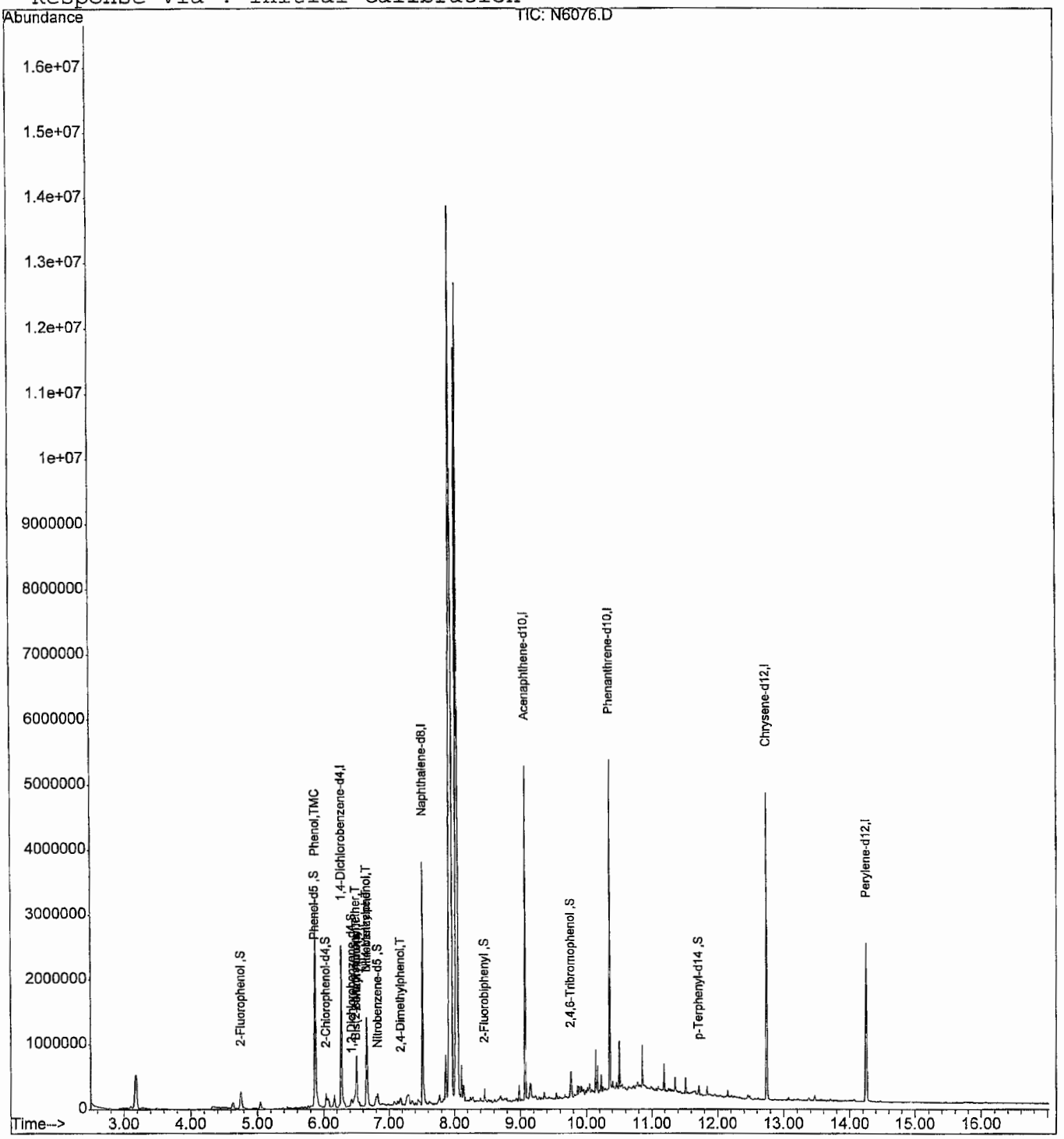
(#) = qualifier out of range (m) = manual integration

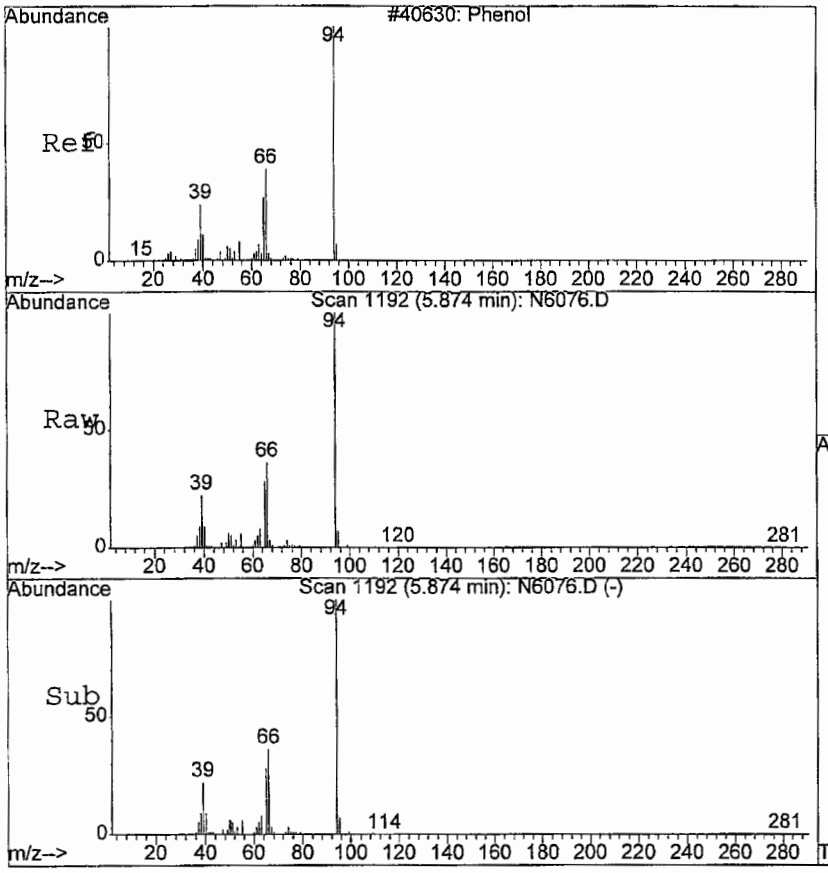
Quantitation Report

Data File : D:\HPCHEM\1\DATA\070105\N6076.D
Acq On : 1 Jul 2005 5:02 pm
Sample : 0506217-11 20X
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 17:28 2005

Vial: 15
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration

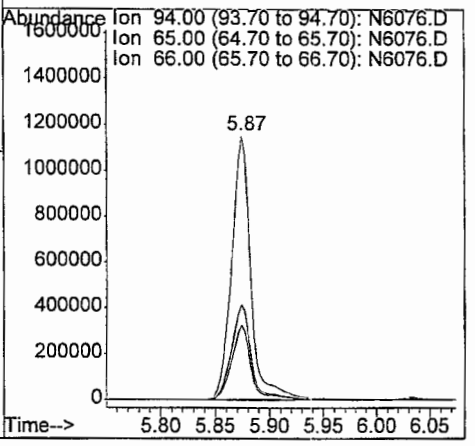


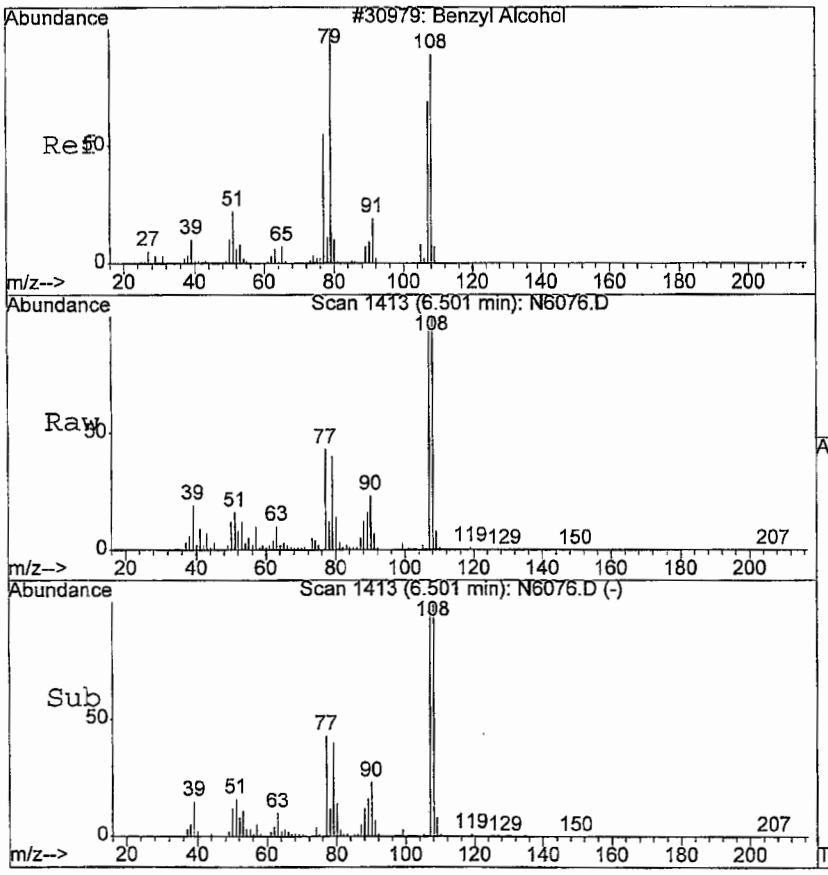


#8
Phenol
Concen: 93.66 ng/uL
RT: 5.87 min Scan# 1192
Delta R.T. -0.01 min
Lab File: N6076.D
Acq: 1 Jul 2005 5:02 pm

Tgt Ion: 94 Resp: 1429323

Ion	Ratio	Lower	Upper
94	100		
65	28.6	13.0	44.6
66	37.0	18.4	63.4

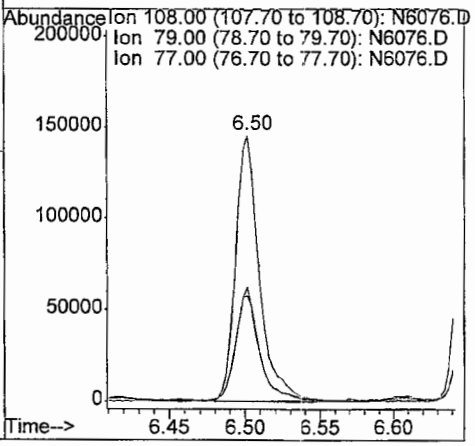


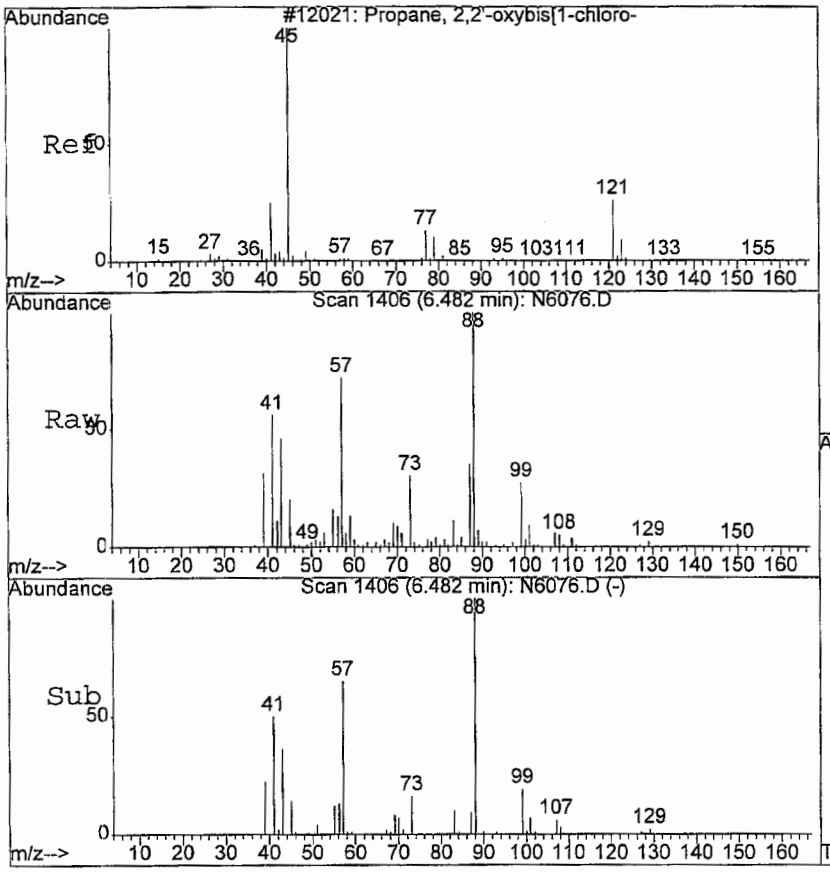


#16
Benzyl Alcohol
Concen: 17.16 ng/uL
RT: 6.50 min ~~Scan# 1413~~
Delta R.T. 0.09 min
Lab File: N6076.D
Acq: 1 Jul 2005 5:02 pm

Tgt Ion:108 Resp: 159984

Ion	Ratio	Lower	Upper
108	100		
79	40.4	96.2	144.4#
77	41.0	65.0	97.4#

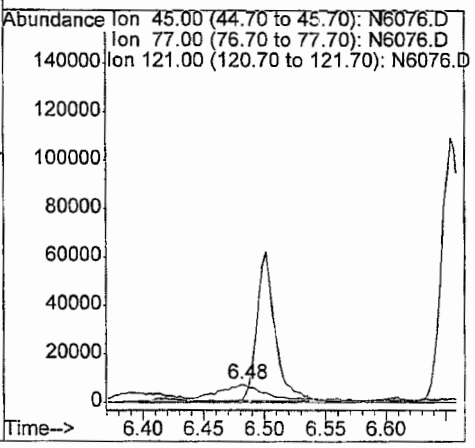


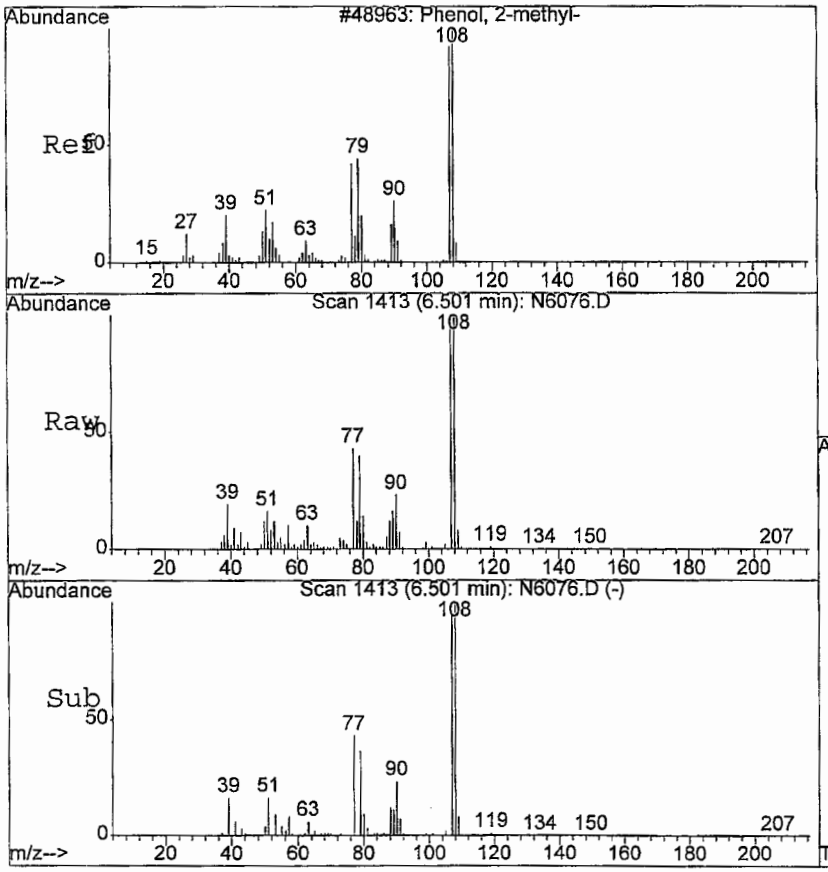


#17
Bis(2-chloroisopropyl)ether
Concen: 1.77 ng/uL
RT: 6.48 min Scan# 1406
Delta R.T. -0.05 min
Lab File: N6076.D
Acq: 1 Jul 2005 5:02 pm

Tgt Ion: 45 Resp: 19233

Ion	Ratio	Lower	Upper
45	100		
77	0.0	29.5	101.7#
121	0.0	32.6	54.3#

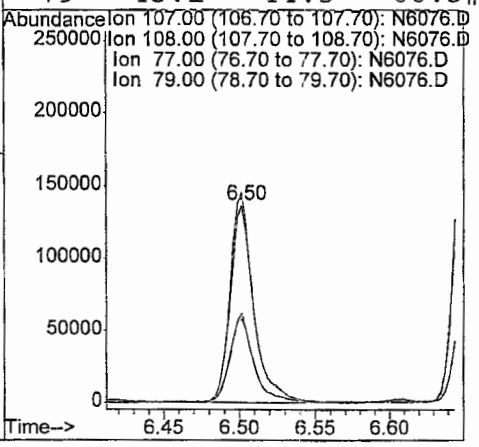


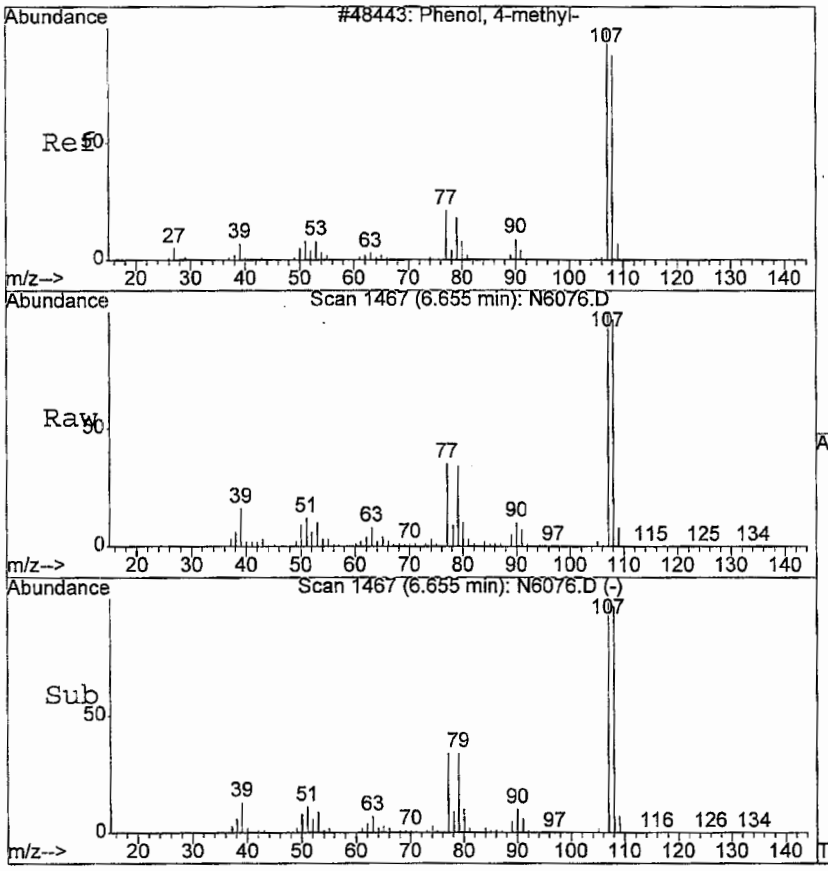


#18
2-Methylphenol
Concen: 12.58 ng/uL
RT: 6.50 min Scan# 1413
Delta R.T. -0.01 min
Lab File: N6076.D
Acq: 1 Jul 2005 5:02 pm

Tgt Ion:107 Resp: 150270

Ion	Ratio	Lower	Upper
107	100		
108	106.5	81.1	135.1
77	43.6	44.7	74.5#
79	43.1	44.3	66.5#

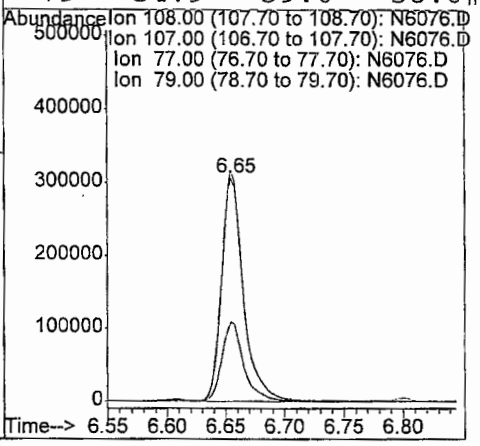


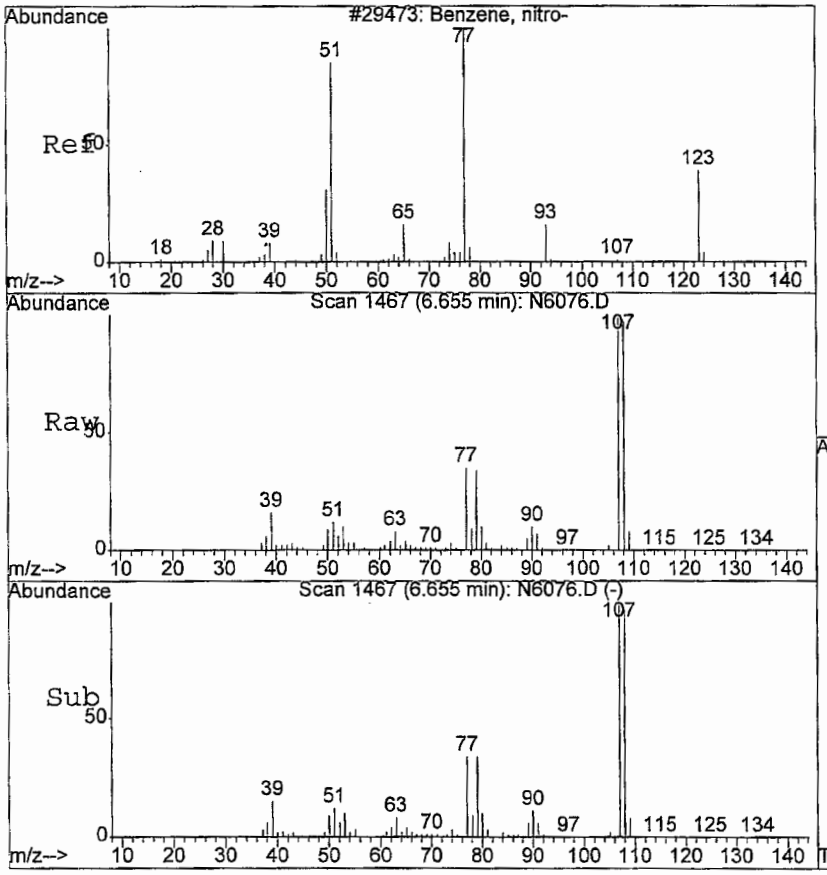


#20
3+4-Methylphenol
Concen: 23.39 ng/uL
RT: 6.65 min Scan# 1467
Delta R.T. -0.01 min
Lab File: N6076.D
Acq: 1 Jul 2005 5:02 pm

Tgt Ion:108 Resp: 394075

Ion	Ratio	Lower	Upper
108	100		
107	103.4	159.5	265.9#
77	35.1	47.9	79.9#
79	34.9	39.0	58.6#

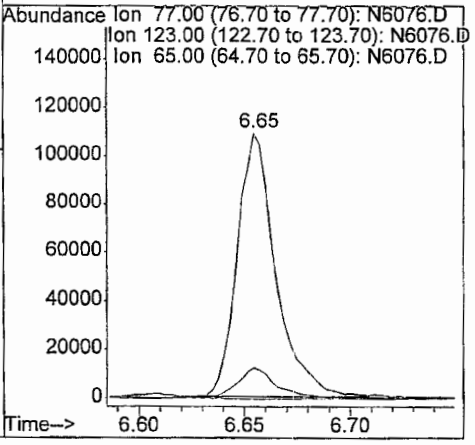


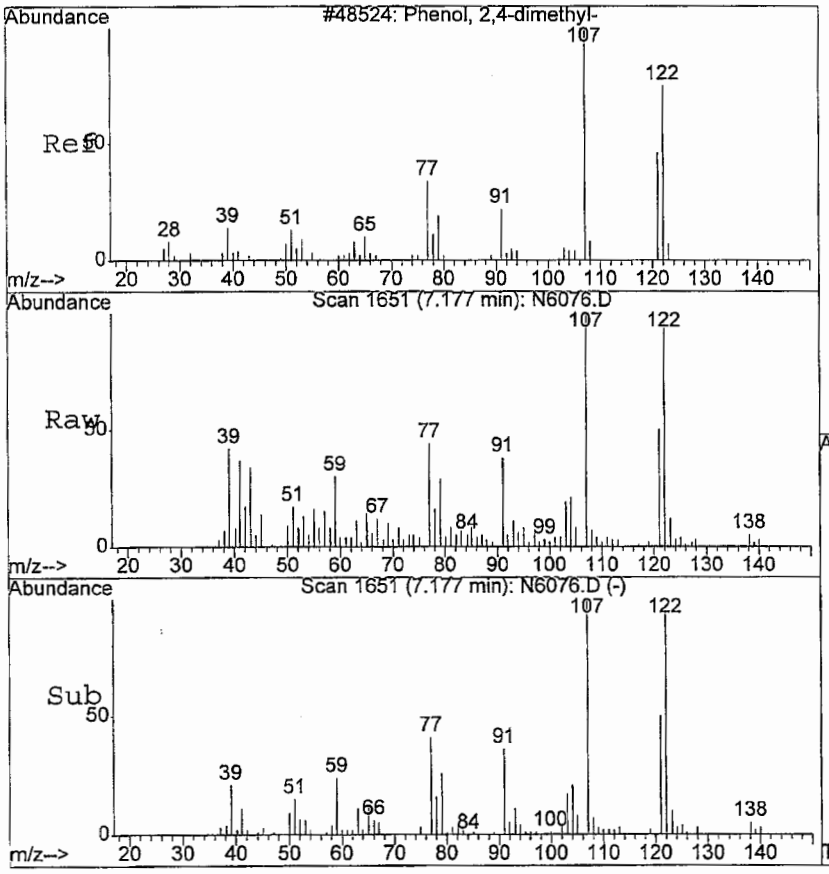


#26
Nitrobenzene
Concen: 6.89 ng/uL
RT: 6.65 min Scan# 1467
Delta R.T. -0.20 min
Lab File: N6076.D
Acq: 1 Jul 2005 5:02 pm

Tgt Ion: 77 Resp: 137068

Ion	Ratio	Lower	Upper
77	100		
123	0.0	16.4	66.4#
65	11.8	0.0	38.3

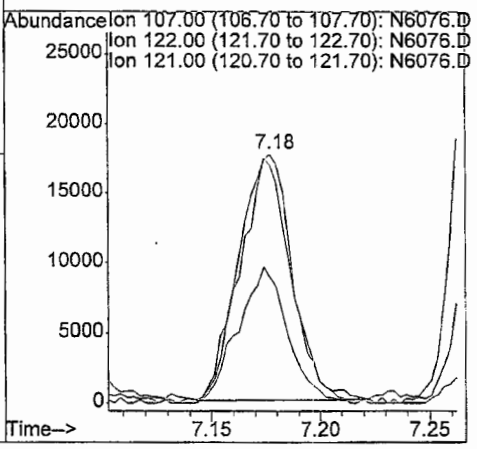




#30
2,4-Dimethylphenol
Concen: 2.06 ng/uL
RT: 7.18 min Scan# 1651
Delta R.T. 0.01 min
Lab File: N6076.D
Acq: 1 Jul 2005 5:02 pm

Tgt Ion:107 Resp: 30236

Ion	Ratio	Lower	Upper
107	100		
122	93.8	71.0	118.4
121	50.9	42.4	70.6



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\071805\P3018.D Vial: 4
Acq On : 18 Jul 2005 11:31 am Operator: JK SOP506 Rev
Sample : 0506217-10 5X Inst : HPSV-2
Misc : SOIL EX050628-8 2ML Vf Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 12:34 2005 Quant Results File: 071205S2.RES

Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.04	152	355417	40.00 ng/uL	0.00
24) Naphthalene-d8	7.30	136	1050362	40.00 ng/uL	0.00
41) Acenaphthene-d10	8.88	164	795281	40.00 ng/uL	0.00
68) Phenanthrene-d10	10.18	188	1559061	40.00 ng/uL	0.03
79) Chrysene-d12	12.43	240	497082 LOW	40.00 ng/uL	0.00
90) Perylene-d12	13.84	264	90502 LOW	40.00 ng/uL	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	4.58	112	50494	4.69 ng/uL	0.05
Spiked Amount 75.000	Range 25 - 100		Recovery =	6.25%#	
5) 2-Chlorophenol-d4	5.84	132	53000	4.76 ng/uL	0.04
Spiked Amount 75.000	Range 20 - 130		Recovery =	6.35%#	
7) Phenol-d5	5.61	99	4023	0.34 ng/uL	-0.03
Spiked Amount 75.000	Range 24 - 104		Recovery =	0.45%# LOW	
14) 1,2-Dichlorobenzene-d4	6.20	152	22144m	2.72 ng/uL	0.00
Spiked Amount 50.000	Range 20 - 130		Recovery =	5.44%#	
25) Nitrobenzene-d5	6.61	82	66490	5.23 ng/uL	0.00
Spiked Amount 50.000	Range 31 - 106		Recovery =	10.46%#	
45) 2-Fluorobiphenyl	8.26	172	122119	3.88 ng/uL	0.00
Spiked Amount 50.000	Range 30 - 105		Recovery =	7.76%#	
67) 2,4,6-Tribromophenol	9.59	330	21148	5.98 ng/uL	0.04
Spiked Amount 75.000	Range 19 - 113		Recovery =	7.97%#	
82) p-Terphenyl-d14	11.49	244	102792	9.19 ng/uL	0.02
Spiked Amount 50.000	Range 18 - 112		Recovery =	18.38% High	

10X DO

Target Compounds					Qvalue
3) n-Nitrosodimethylamine	2.88	74	437733	71.91 ng/uL# ND	6
6) Aniline	5.72	93	9363	0.67 ng/uL# ND	1
8) Phenol	5.71	94	466554	37.42 ng/uL ✓	95
9) Tetramethylurea	5.79	72	17518	0.95 ng/uL# ND	54
10) Bis(2-chloroethyl)ether	5.72	93	10901	1.17 ng/uL# ND	1
16) Benzyl Alcohol	6.21	108	39466	5.99 ng/uL# ND	56
17) Bis(2-chloroisopropyl)ethe	6.28	45	18932	3.09 ng/uL# ND	4
18) 2-Methylphenol	6.31	107	7975	0.95 ng/uL# ✓	55
19) n-Nitroso-di-n-propylamine	6.47	70	10755	1.20 ng/uL# ND	1
20) 3+4-Methylphenol	6.47	108	55766	4.63 ng/uL# ✓	60
22) Hexachloroethane	6.55	117	8397	1.64 ng/uL# ND	4
29) 2-Nitrophenol	7.00	139	4326	0.88 ng/uL# ND	1
30) 2,4-Dimethylphenol	6.94	107	30000m	2.84 ng/uL ✓	
31) Bis(2-chloroethoxy)methane	7.08	93	35852	3.52 ng/uL# ND	62
35) Naphthalene	7.32	128	68205	2.35 ng/uL# ✓	7
36) 4-Chloroaniline	7.42	127	18368	1.71 ng/uL# ND	60

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

305

Data File : C:\HPCHEM\1\DATA\071805\P3018.D Vial: 4
Acq On : 18 Jul 2005 11:31 am Operator: JK SOP506 Rev
Sample : 0506217-10 5X Inst : HPSV-2
Misc : SOIL EX050628-8 2ML Vf Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 12:34 2005 Quant Results File: 071205S2.RES

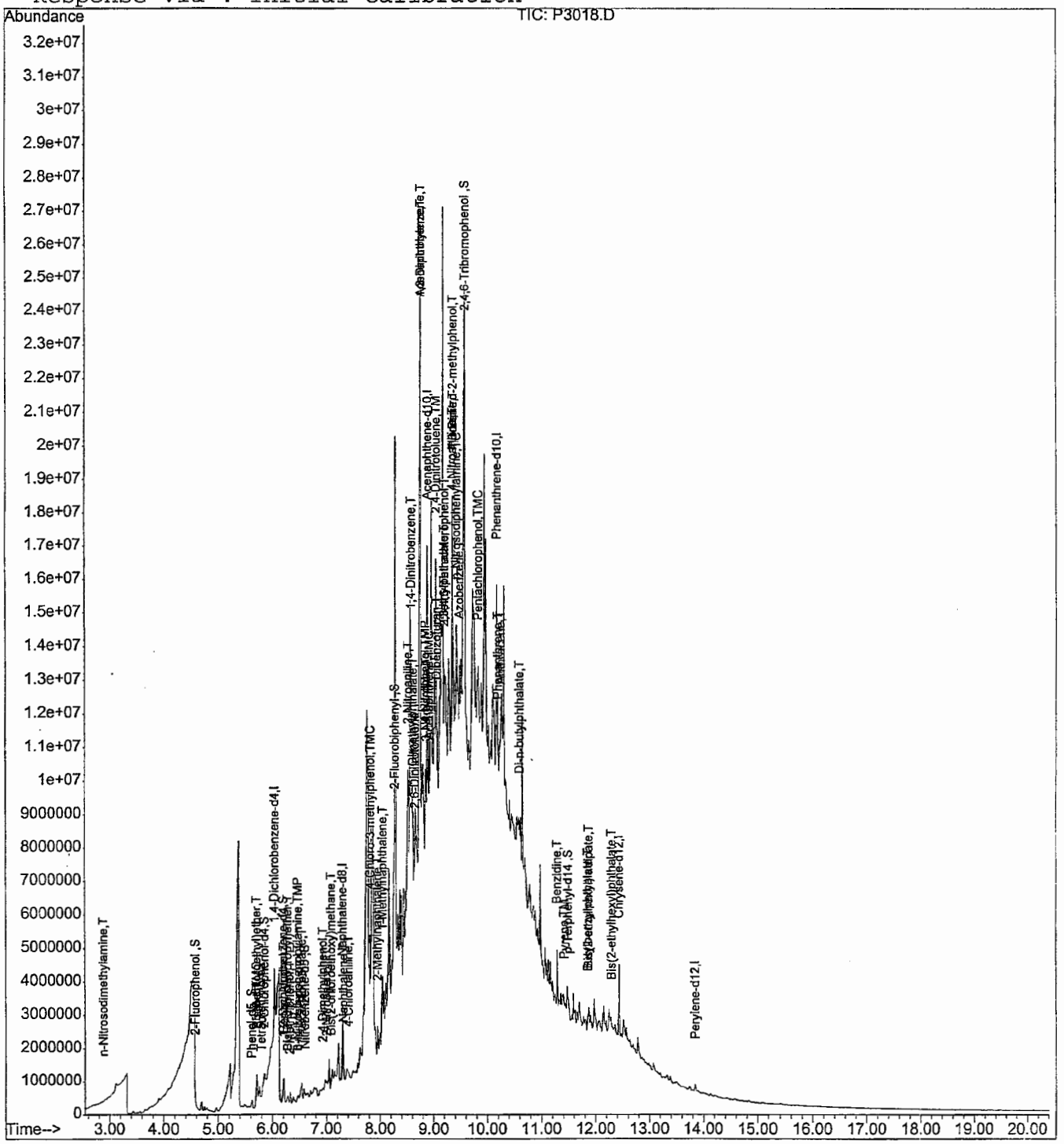
Quant Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Initial Calibration
DataAcq Meth : 071205S2

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
38)	4-Chloro-3-methylphenol	7.81	107	44017	5.33 ng/uL#	1
39)	2-Methylnaphthalene	7.95	142	164090	8.51 ng/uL	87
40)	1-Methylnaphthalene	8.05	142	270390m	14.51 ng/uL	
47)	2-Nitroaniline	8.53	65	279316	42.39 ng/uL#	24
48)	1,4-Dinitrobenzene	8.58	168	79610	20.98 ng/uL#	50
49)	Dimethylphthalate	8.61	163	117528	4.59 ng/uL#	79
50)	1,3-Dinitrobenzene	8.75	168	43551	10.27 ng/uL#	42
51)	2,6-Dinitrotoluene	8.64	165	14484	2.27 ng/uL#	1
52)	1,2-Dinitrobenzene	8.75	168	43551	15.71 ng/uL#	17
53)	Acenaphthylene	8.76	152	41334	1.11 ng/uL#	1
54)	3-Nitroaniline	8.86	138	32103	6.04 ng/uL#	1
55)	Acenaphthene	8.92	154	11421	0.47 ng/uL#	1
57)	4-Nitrophenol	8.85	109	19033	4.91 ng/uL#	43
58)	Dibenzofuran	9.07	168	160541	4.83 ng/uL#	62
59)	2,4-Dinitrotoluene	9.04	165	24140	3.04 ng/uL#	1
61)	2,3,4,6-Tetrachlorophenol	9.21	232	14794	2.24 ng/uL#	1
62)	Diethylphthalate	9.20	149	124978	4.95 ng/uL#	13
63)	Fluorene	9.36	166	111892	4.16 ng/uL#	1
65)	4-Nitroaniline	9.35	138	9558	1.72 ng/uL#	65
66)	Azobenzene	9.49	77	198813m	7.70 ng/uL	
69)	4,6-Dinitro-2-methylphenol	9.36	198	8399	1.65 ng/uL#	1
70)	n-Nitrosodiphenylamine	9.43	169	207094	8.85 ng/uL#	65
73)	Pentachlorophenol	9.83	266	508	15.26 ng/uL	89
74)	Phenanthrene	10.20	178	377876	8.85 ng/uL#	48
75)	Anthracene	10.25	178	52924	1.24 ng/uL#	1
77)	Di-n-butylphthalate	10.60	149	132102	2.74 ng/uL#	66
80)	Benzidine	11.28	184	5050	0.77 ng/uL#	1
81)	Pyrene	11.42	202	19705m	1.23 ng/uL	
83)	Butylbenzylphthalate	11.85	149	6559	0.99 ng/uL#	26
84)	Bis(2-ethylhexyl) adipate	11.86	129	39880	7.10 ng/uL#	1
88)	Bis(2-ethylhexyl)phthalate	12.30	149	15181m	1.64 ng/uL	

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

Data File : C:\HPCHEM\1\DATA\071805\P3018.D Vial: 4
Acq On : 18 Jul 2005 11:31 am Operator: JK SOP506
Sample : 0506217-10 5X Inst : HPSV-2
Misc : SOIL EX050628-8 2ML Vf Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 12:34 2005 Quant Results File: 071205S2.RES

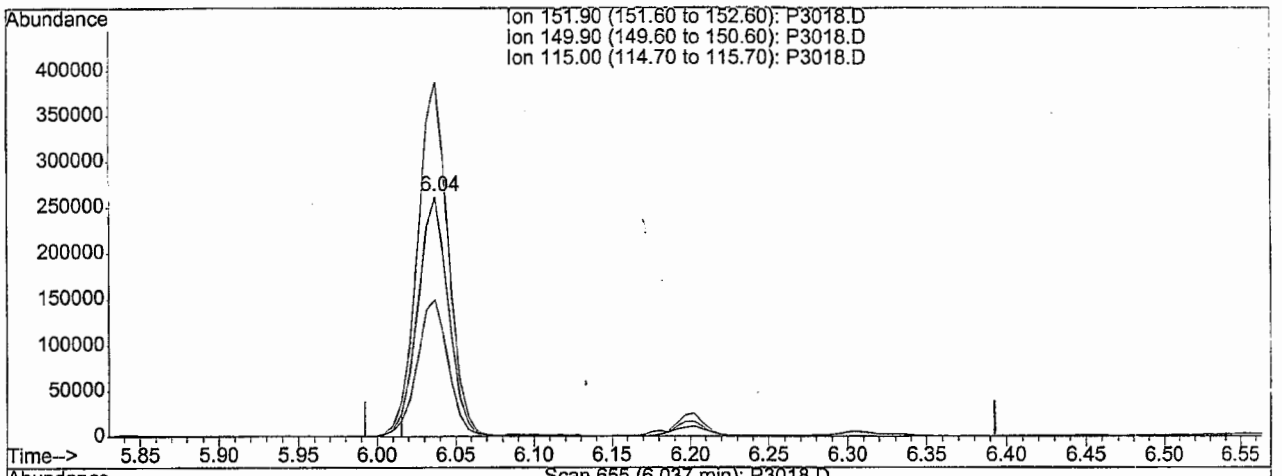
Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 19 12:01:06 2005
Response via : Initial Calibration

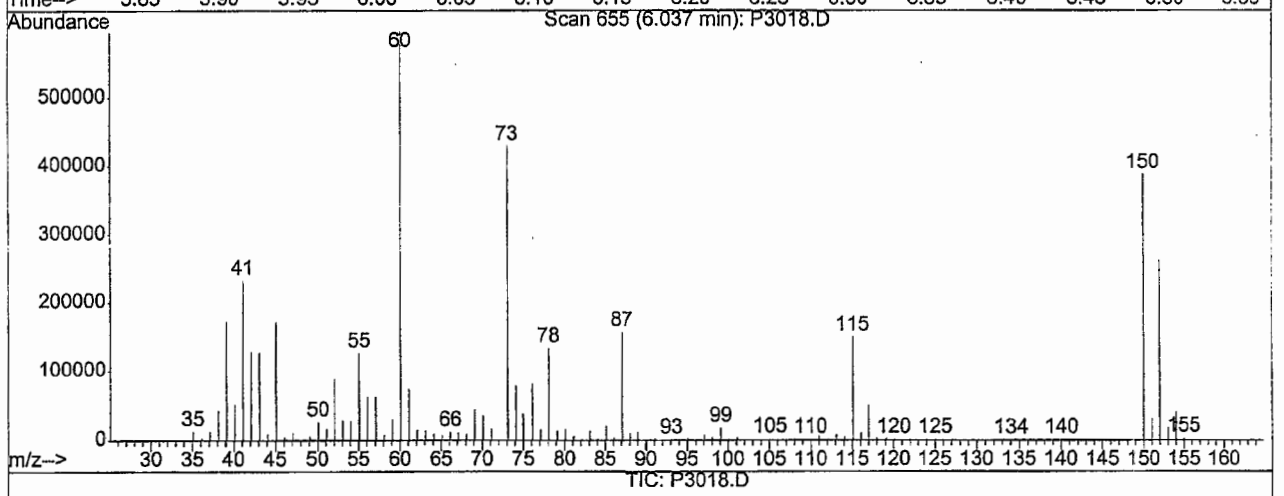


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3018.D Vial: 4
Acq On : 18 Jul 2005 11:31 am Operator: JK SOP50
Sample : 0506217-10 5X Inst : HPSV-2
Misc : SOIL EX050628-8 2ML Vf Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 11:55 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Multiple Level Calibration





TIC: P3018.D

(14) 1,2-Dichlorobenzene-d4 (S)

6.04min 42.32ng/uL

response 344131

Ion	Exp%	Act%
151.90	100	100
149.90	173.80	148.14
115.00	68.90	57.98
0.00	0.00	0.00

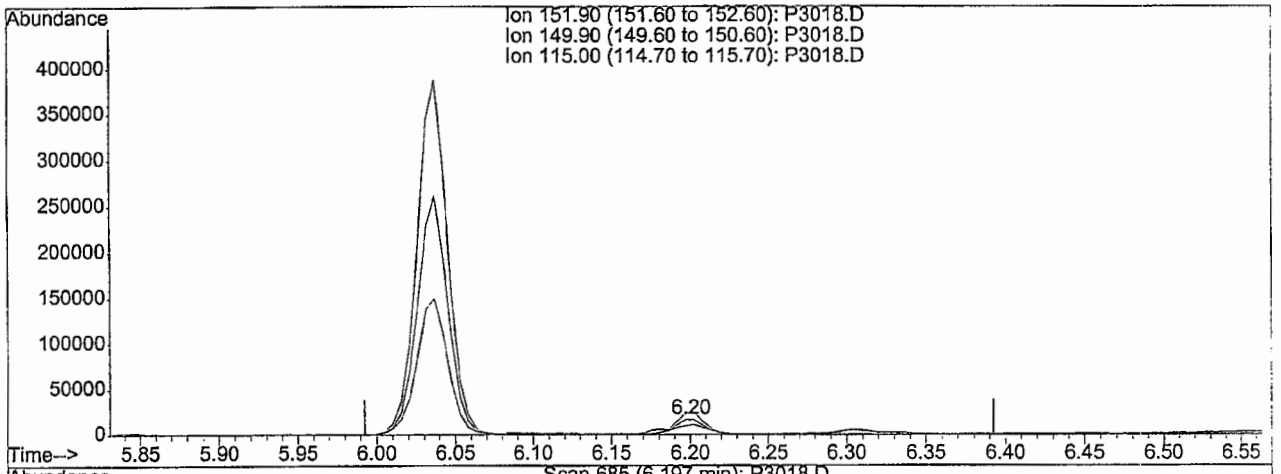
Before

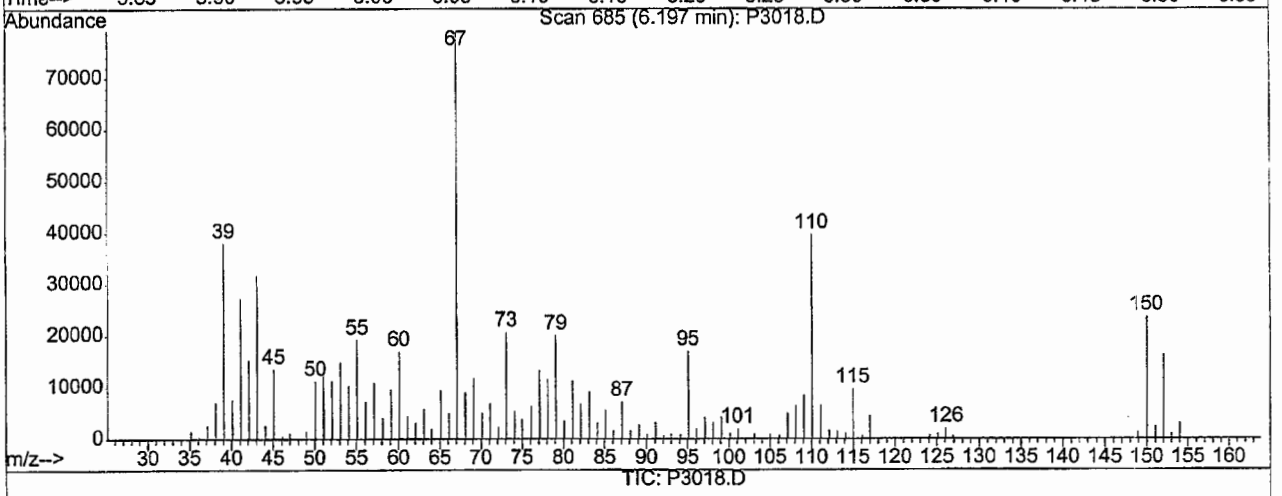
P3018.D 071205S2.M Mon Jul 18 14:39:28 2005

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3018.D Vial: 4
Acq On : 18 Jul 2005 11:31 am Operator: JK SOP50
Sample : 0506217-10 5X Inst : HPSV-2
Misc : SOIL EX050628-8 2ML Vf Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 18 14:39 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Mon Jul 18 11:08:31 2005
Response via : Multiple Level Calibration





(14) 1,2-Dichlorobenzene-d4 (S)

6.20min 2.72ng/uL m

response 22144

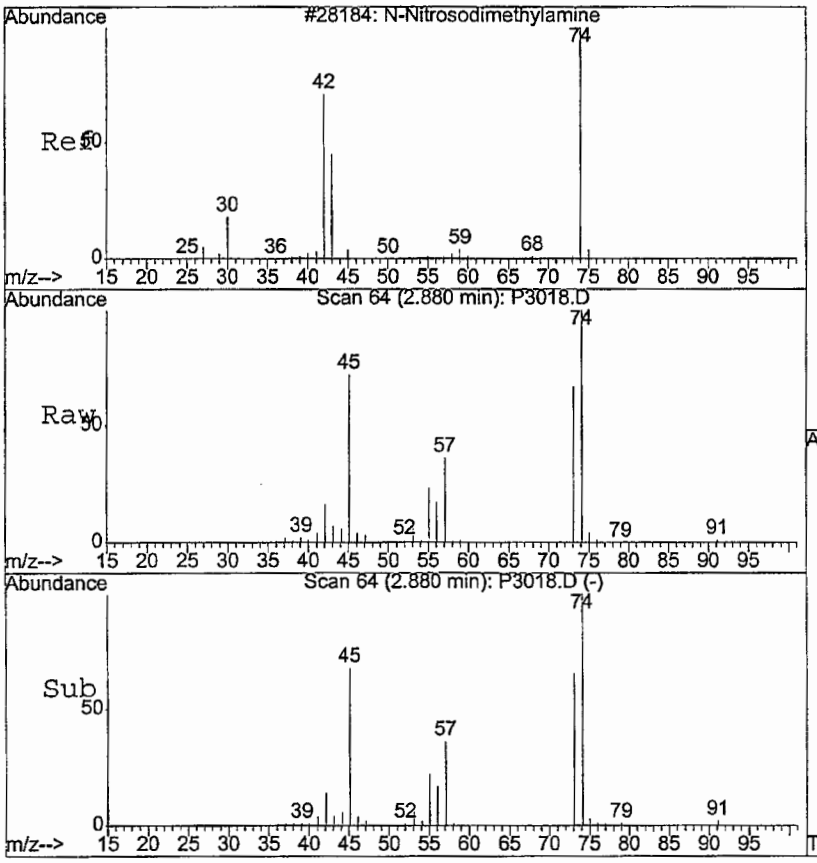
Ion	Exp%	Act%
151.90	100	100
149.90	173.80	2302.17#
115.00	68.90	901.10#
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☑ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-25-05

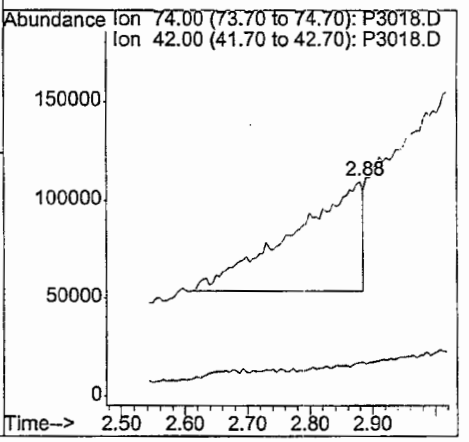
P3018.D 071205S2.M Mon Jul 18 14:39:34 2005

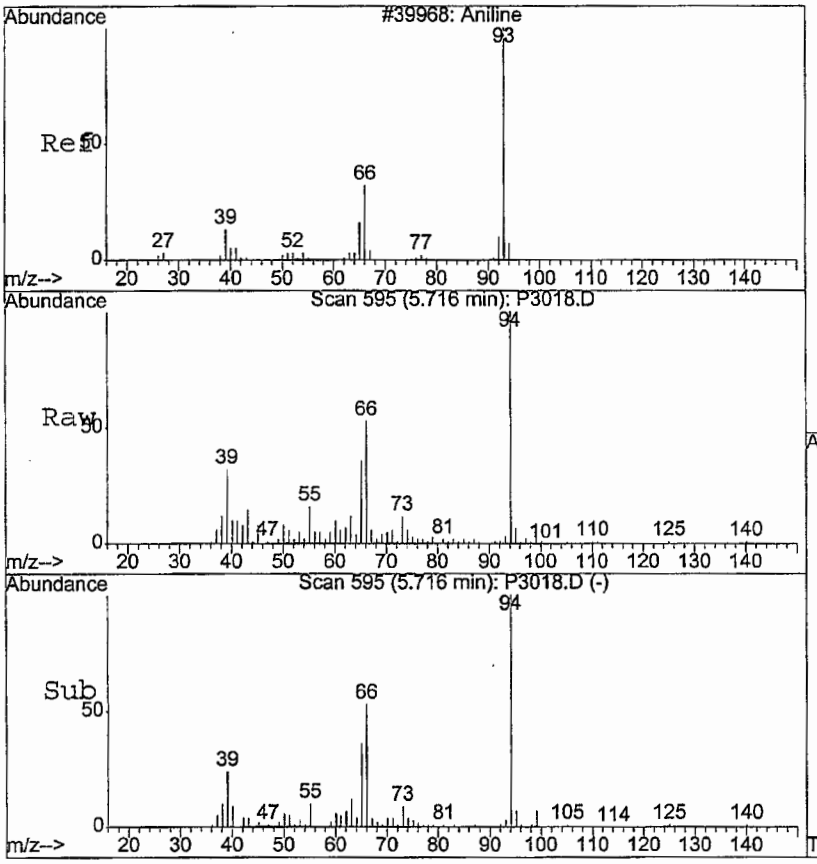


#3
n-Nitrosodimethylamine
Concen: 71.91 ng/uL
RT: 2.88 min Scan# 64
Delta R.T. 0.18 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion: 74 Resp: 437733

Ion	Ratio	Lower	Upper
74	100		
42	0.0	52.2	122.2#

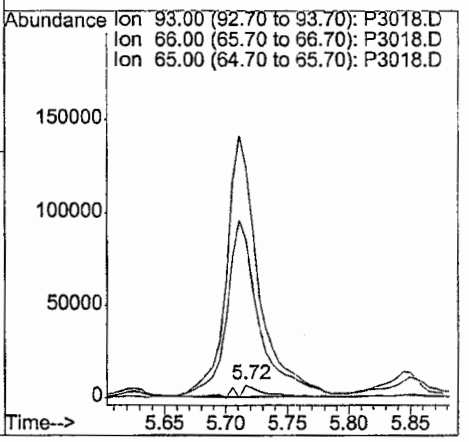


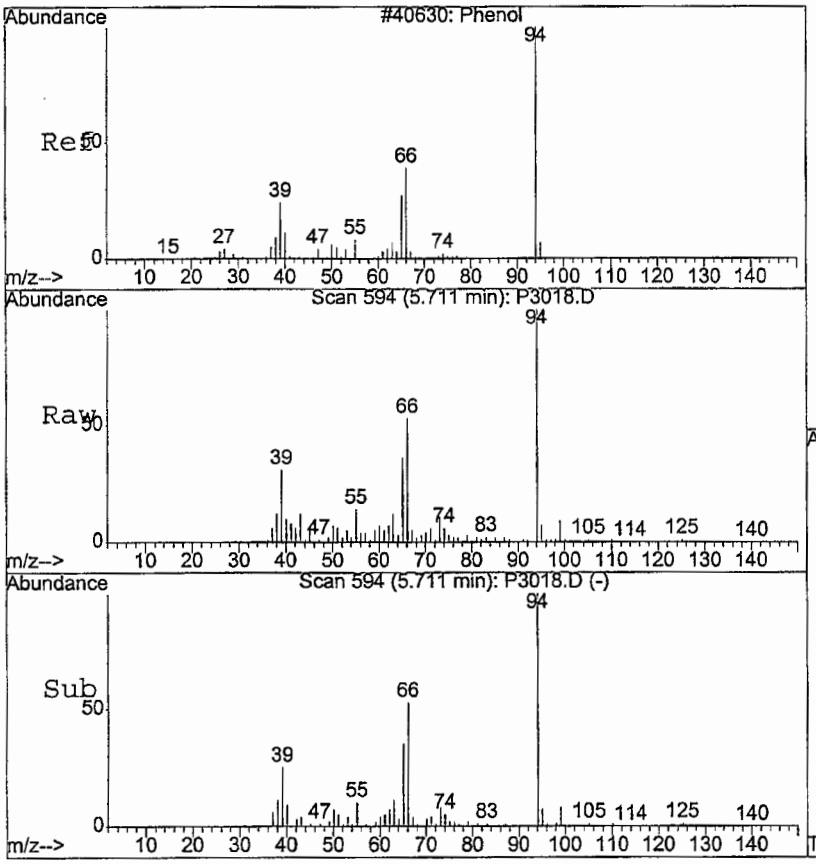


#6
Aniline
Concen: 0.67 ng/uL
RT: 5.72 min Scan# 595
Delta R.T. 0.04 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion: 93 Resp: 9363

Ion	Ratio	Lower	Upper
93	100		
66	2769.5	35.1	52.7#
65	1853.2	16.5	24.7#

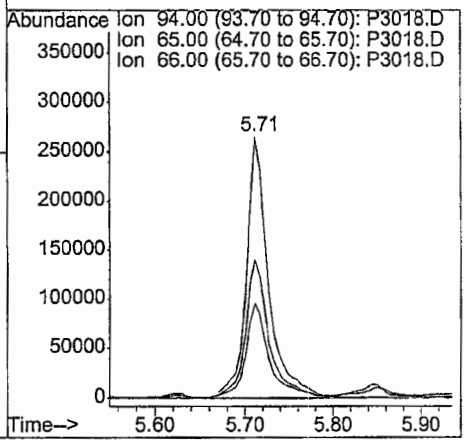


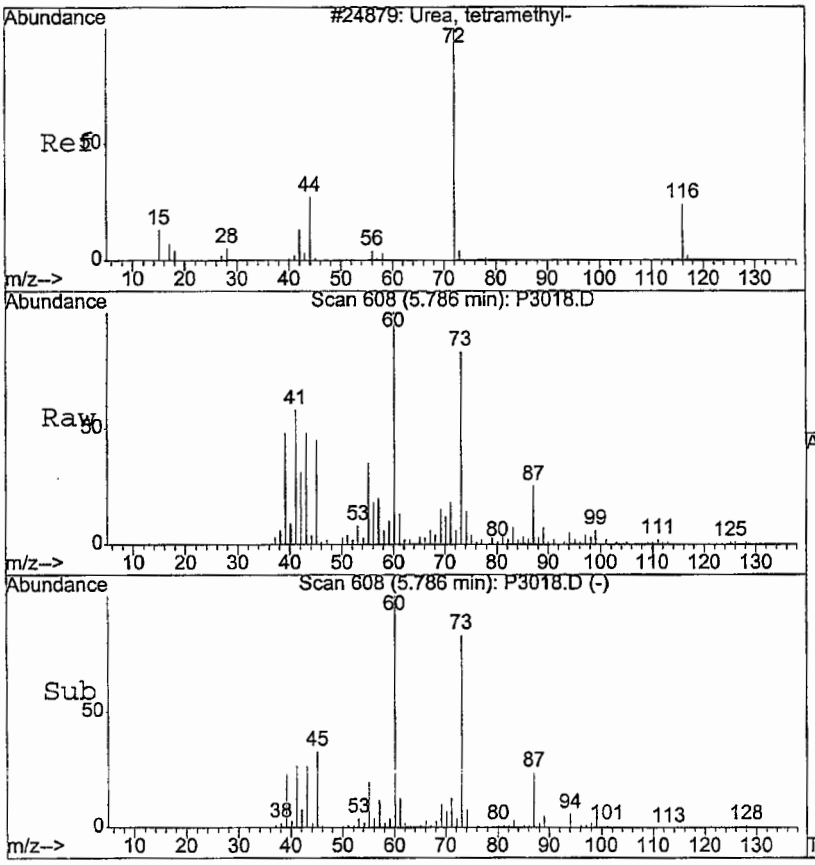


#8
Phenol
Concen: 37.42 ng/uL
RT: 5.71 min Scan# 594
Delta R.T. 0.06 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion: 94 Resp: 466554

Ion	Ratio	Lower	Upper
94	100		
65	37.2	15.2	52.2
66	55.6	26.5	91.5

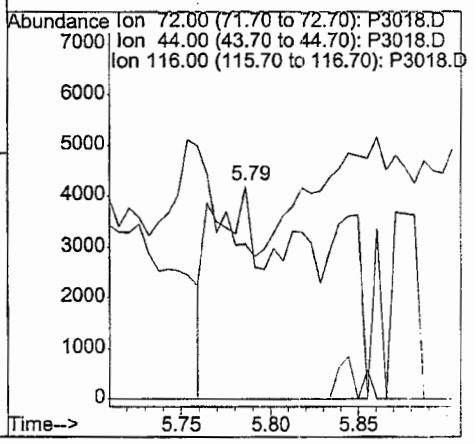


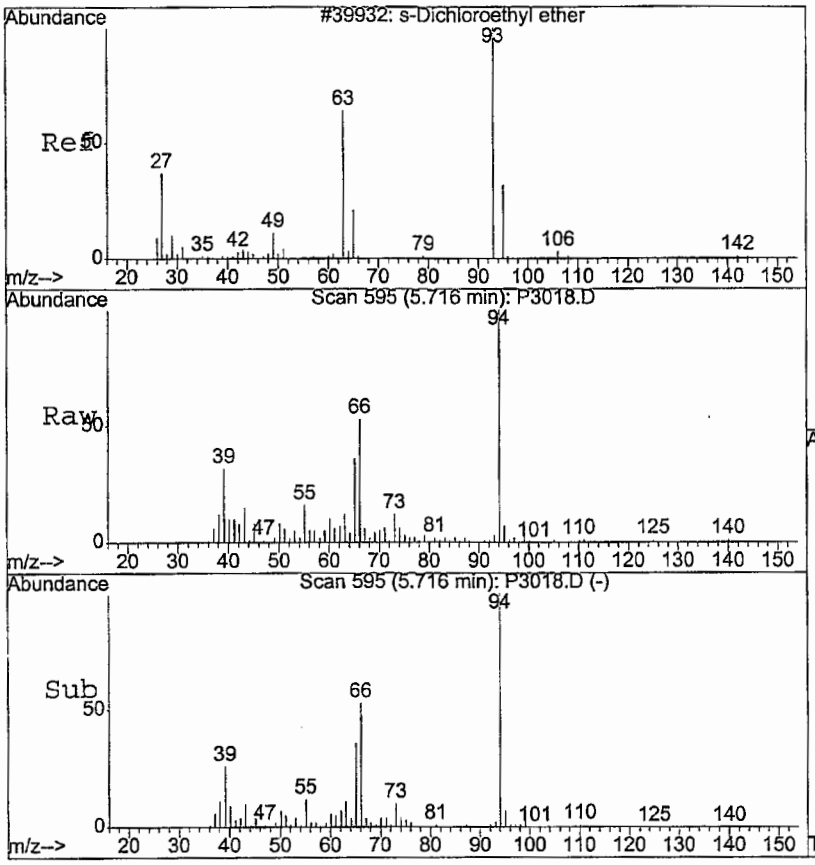


#9
Tetramethylurea
Concen: 0.95 ng/uL
RT: 5.79 min Scan# 608
Delta R.T. 0.03 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion: 72 Resp: 17518

Ion	Ratio	Lower	Upper
72	100		
44	0.0	10.7	16.1#
116	0.0	22.1	33.1#

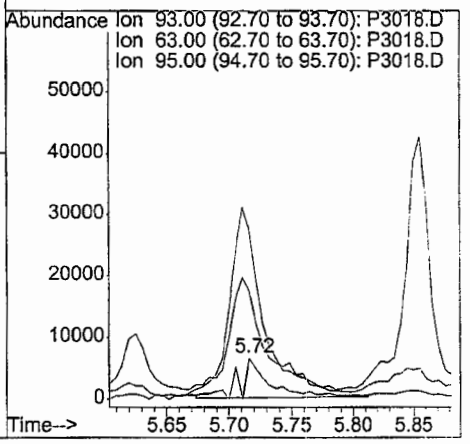




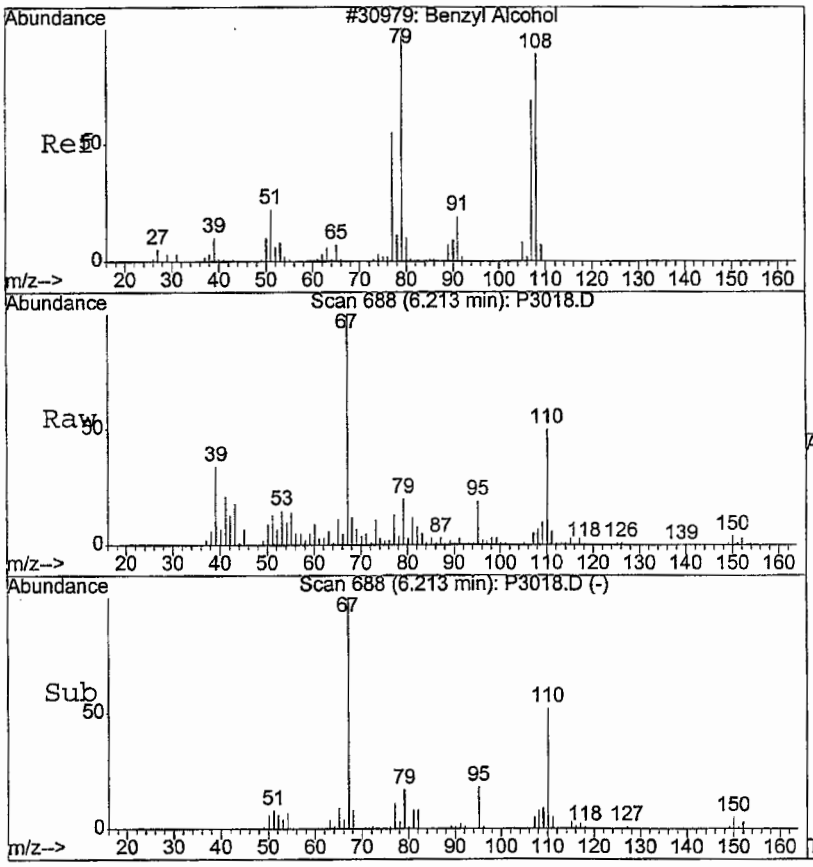
#10
Bis(2-chloroethyl)ether
Concen: 1.17 ng/uL
RT: 5.72 min Scan# 595
Delta R.T. -0.01 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion: 93 Resp: 10901

Ion	Ratio	Lower	Upper
93	100		
63	570.0	45.5	75.9#
95	318.6	23.3	38.8#



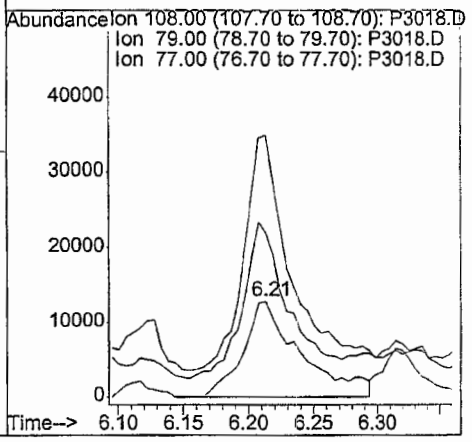
2



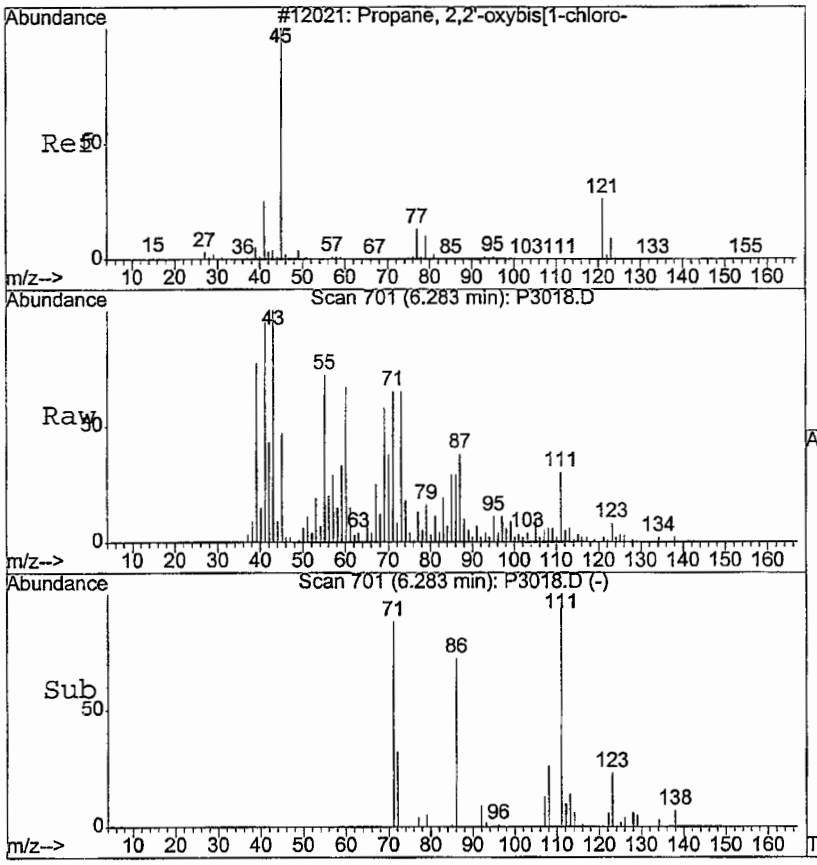
#16
Benzyl Alcohol
Concen: 5.99 ng/uL
RT: 6.21 min Scan# 688
Delta R.T. 0.04 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:108 Resp: 39466

Ion	Ratio	Lower	Upper
108	100		
79	201.1	124.6	186.8#
77	169.7	88.6	133.0#



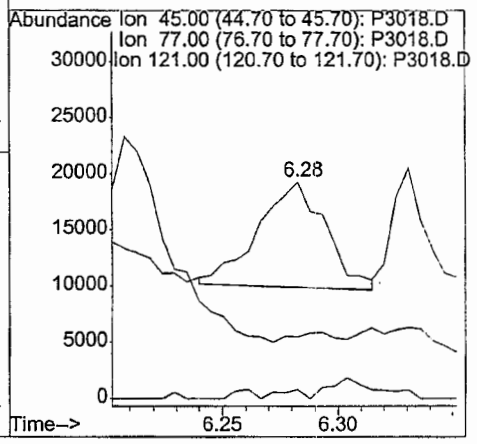
3

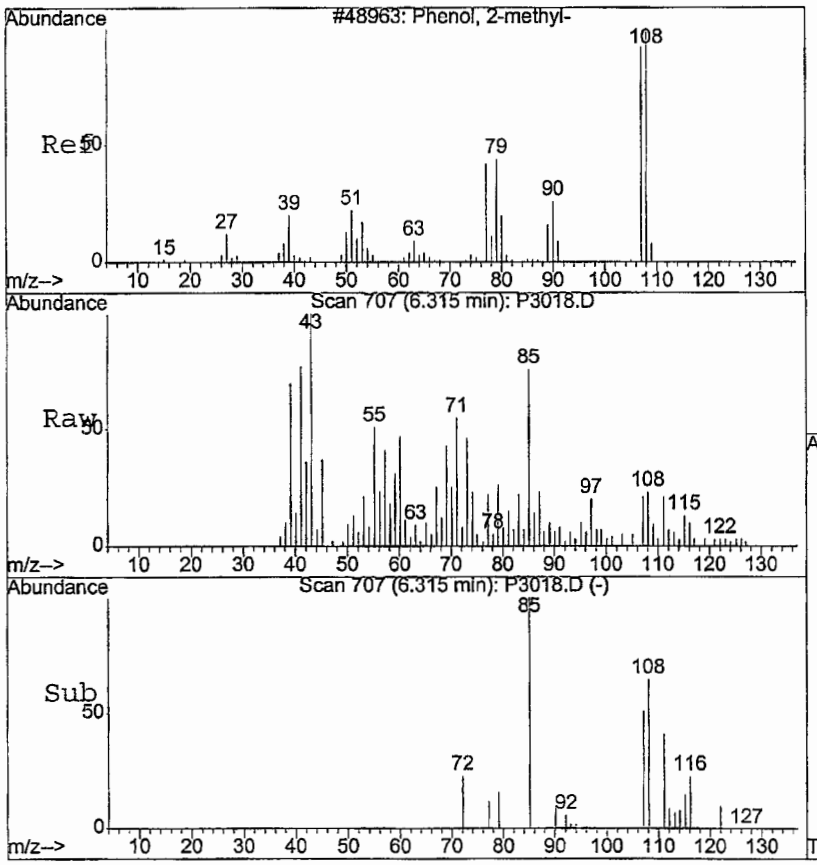


#17
Bis(2-chloroisopropyl)ether
Concen: 3.09 ng/uL
RT: 6.28 min Scan# 701
Delta R.T. -0.00 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion: 45 Resp: 18932

Ion	Ratio	Lower	Upper
45	100		
77	0.0	53.5	184.3#
121	3.2	43.0	71.6#

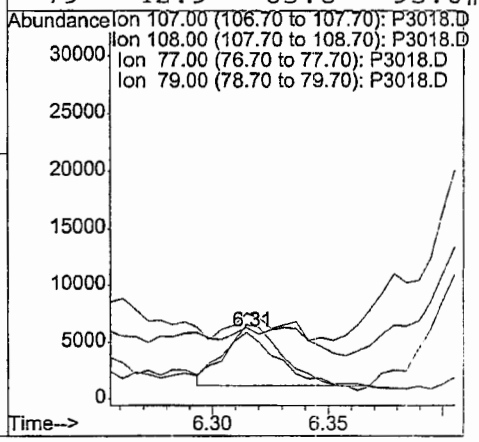


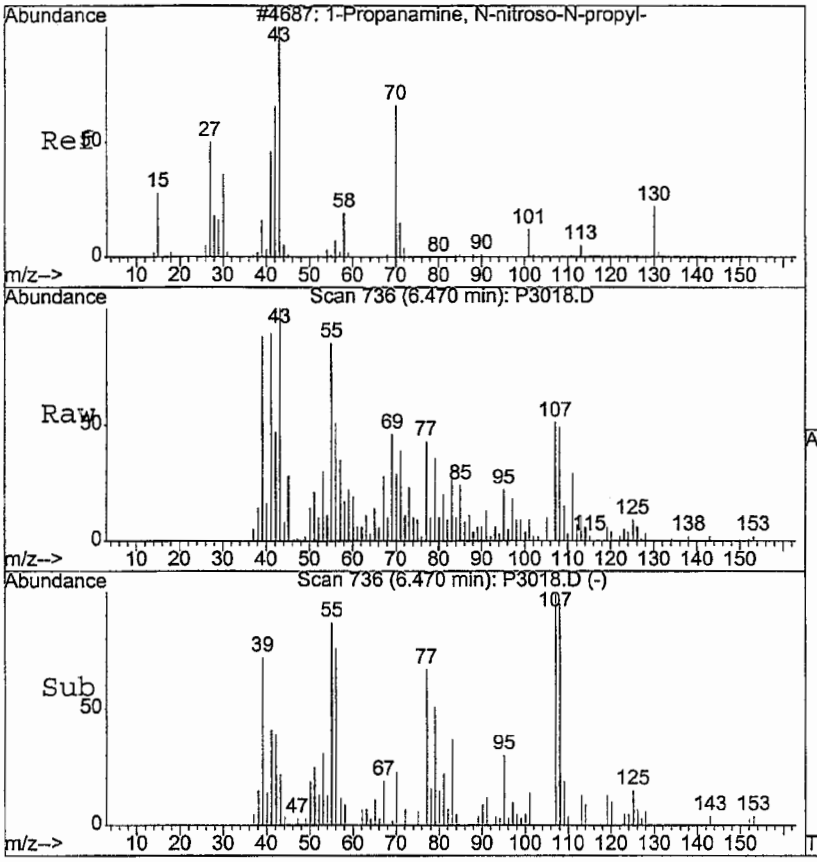


#18
2-Methylphenol
Concen: 0.95 ng/uL
RT: 6.31 min Scan# 707
Delta R.T. 0.03 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:107 Resp: 7975

Ion	Ratio	Lower	Upper
107	100		
108	128.4	87.2	145.4
77	0.0	64.3	107.1#
79	42.9	63.8	95.6#

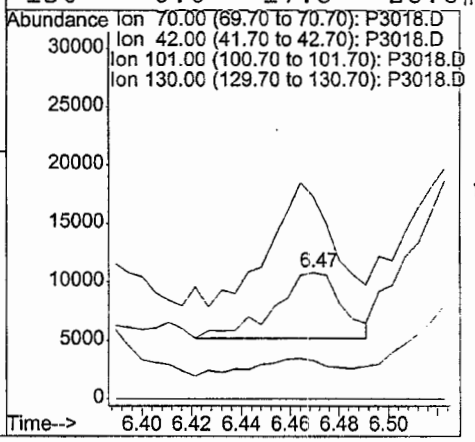


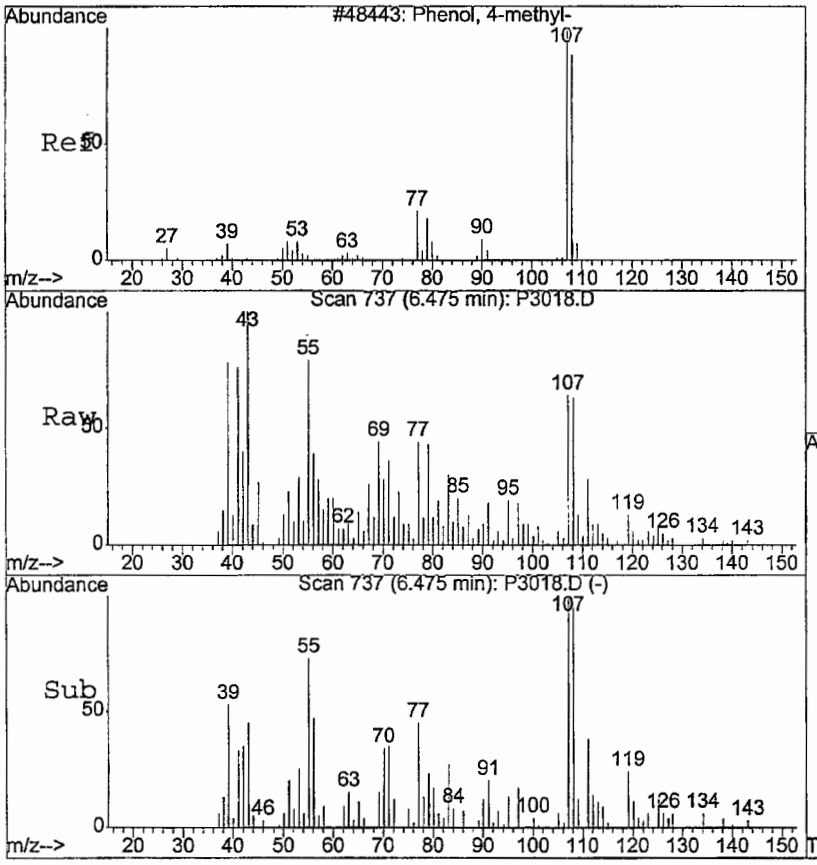


#19
n-Nitroso-di-n-propylamine
Concen: 1.20 ng/uL
RT: 6.47 min Scan# 736
Delta R.T. 0.04 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion: 70 Resp: 10755

Ion	Ratio	Lower	Upper
70	100		
42	176.0	27.3	63.7#
101	0.0	8.1	12.1#
130	0.0	17.8	26.6#

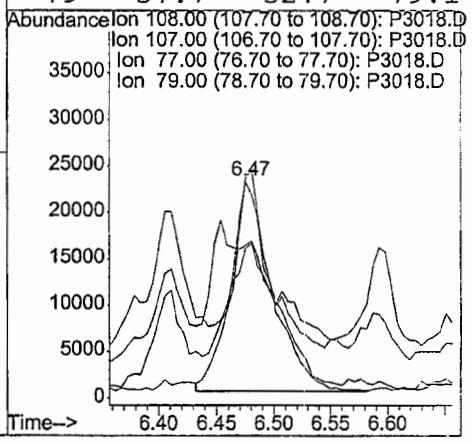


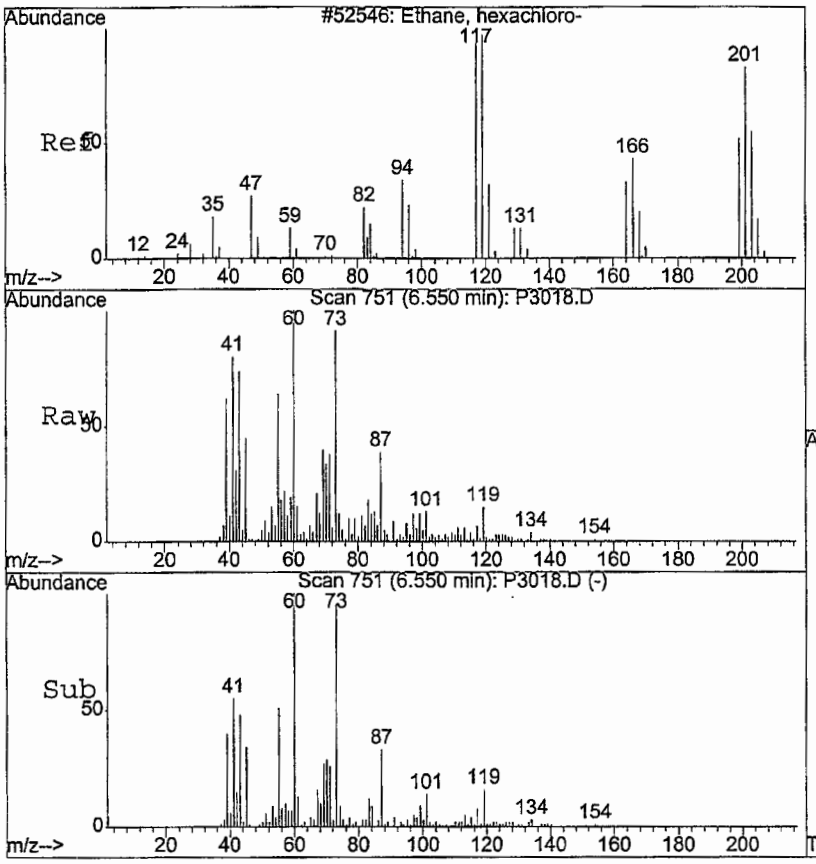


#20
3+4-Methylphenol
Concen: 4.63 ng/uL
RT: 6.47 min Scan# 737
Delta R.T. 0.03 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:108 Resp: 55766

Ion	Ratio	Lower	Upper
108	100		
107	107.2	152.2	253.6#
77	91.3	61.8	103.0
79	57.7	52.7	79.1

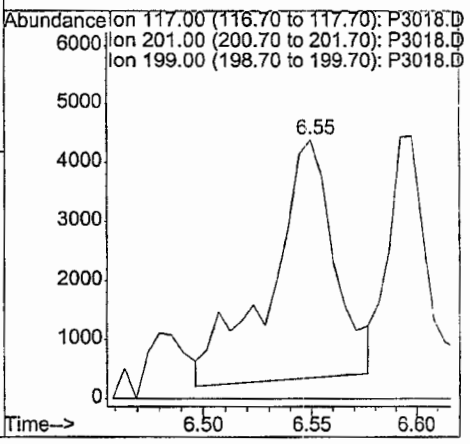


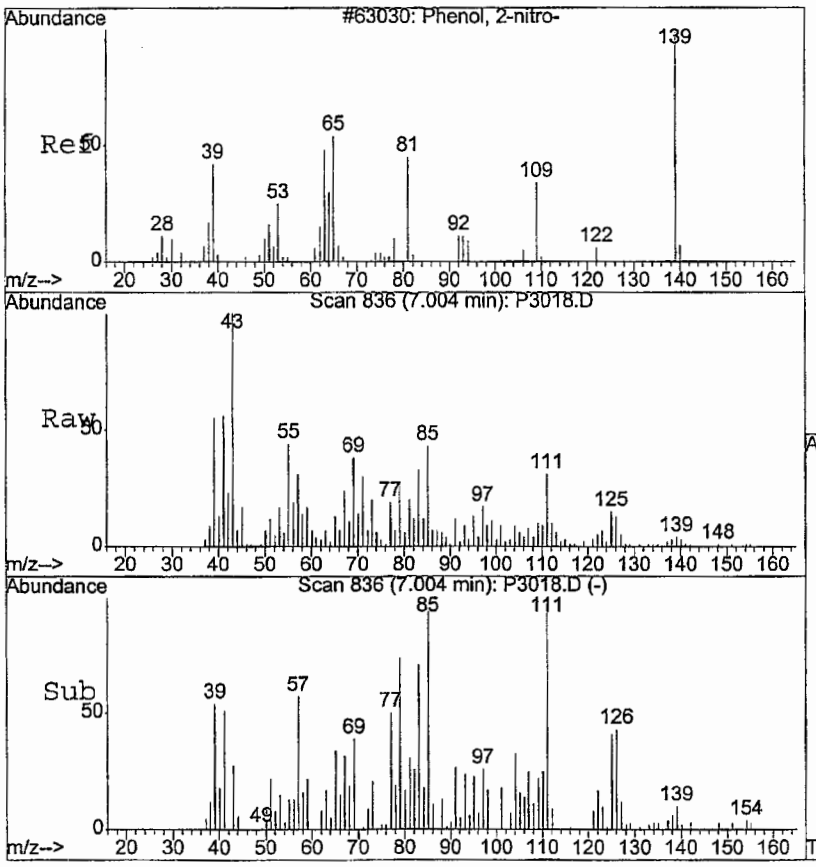


#22
Hexachloroethane
Concen: 1.64 ng/uL
RT: 6.55 min Scan# 751
Delta R.T. -0.00 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:117 Resp: 8397

Ion	Ratio	Lower	Upper
117	100		
201	0.0	80.3	133.8#
199	0.0	50.7	84.5#

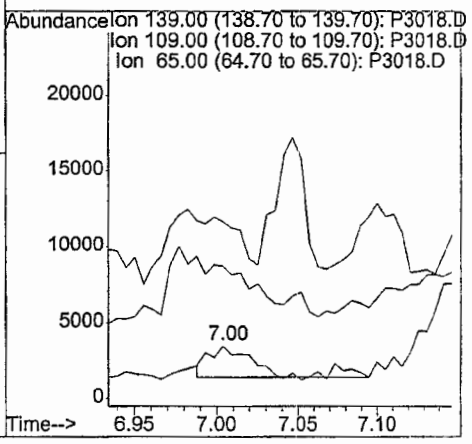


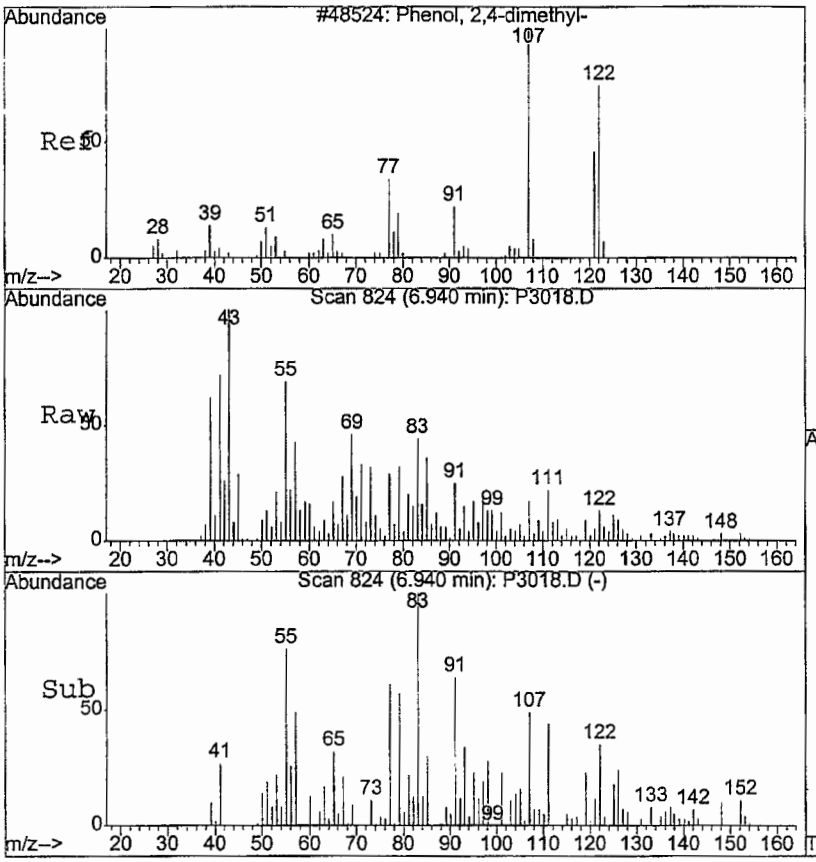


#29
2-Nitrophenol
Concen: 0.88 ng/uL
RT: 7.00 min Scan# 836
Delta R.T. 0.07 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:139 Resp: 4326

Ion	Ratio	Lower	Upper
139	100		
109	342.3	32.7	54.5#
65	209.9	60.8	101.3#

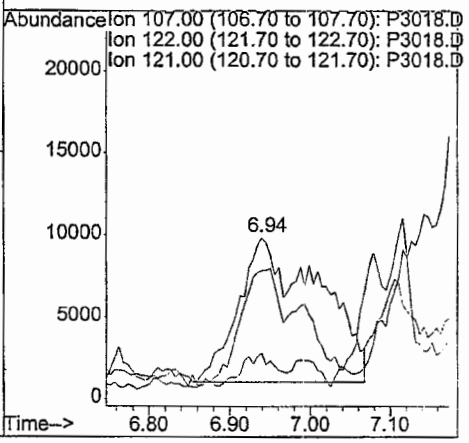




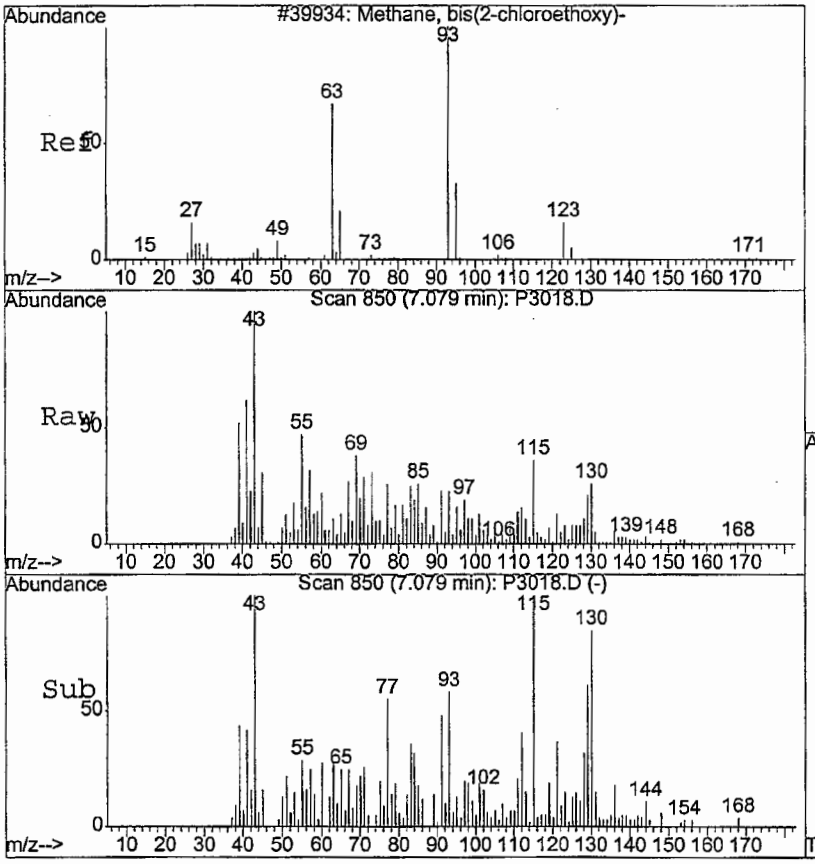
#30
2,4-Dimethylphenol
Concen: 5.80 ng/uL
RT: 6.94 min Scan# 824
Delta R.T. -0.01 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:107 Resp: 61190

Ion	Ratio	Lower	Upper
107	100		
122	62.7	62.3	103.9
121	9.4	33.8	56.3#



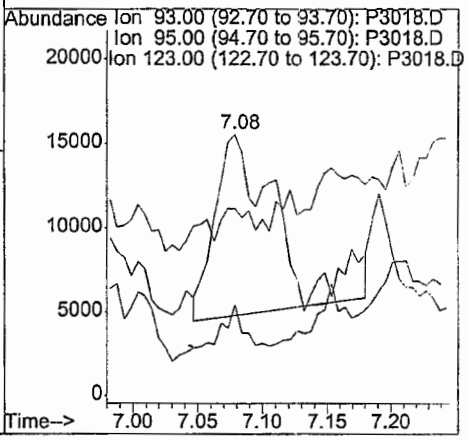
✓ Before



#31
Bis(2-chloroethoxy)methane
Concen: 3.52 ng/uL
RT: 7.08 min Scan# 850
Delta R.T. 0.05 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion: 93 Resp: 35852

Ion	Ratio	Lower	Upper
93	100		
95	9.8	24.2	40.4#
123	24.6	9.2	15.4#

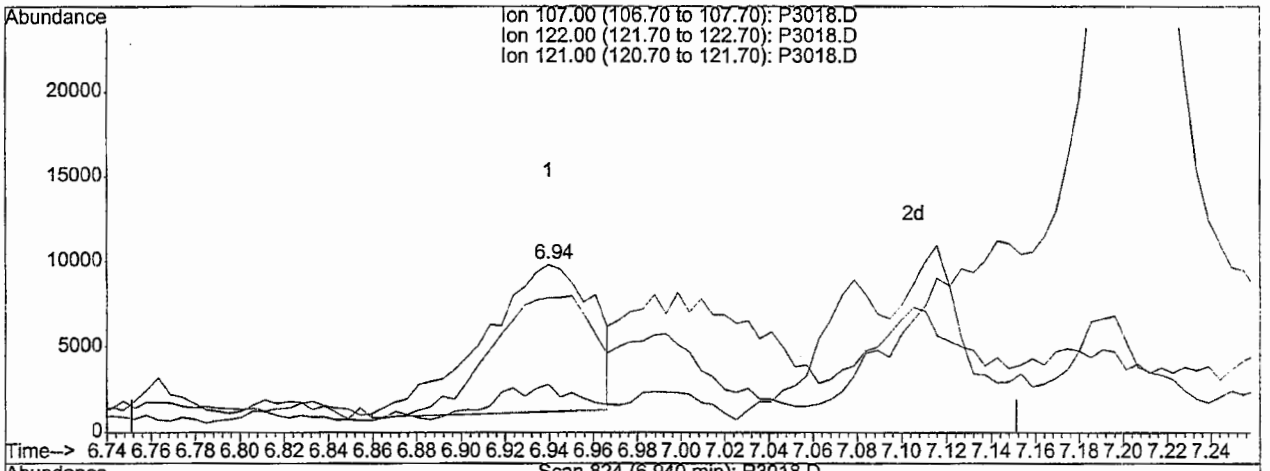


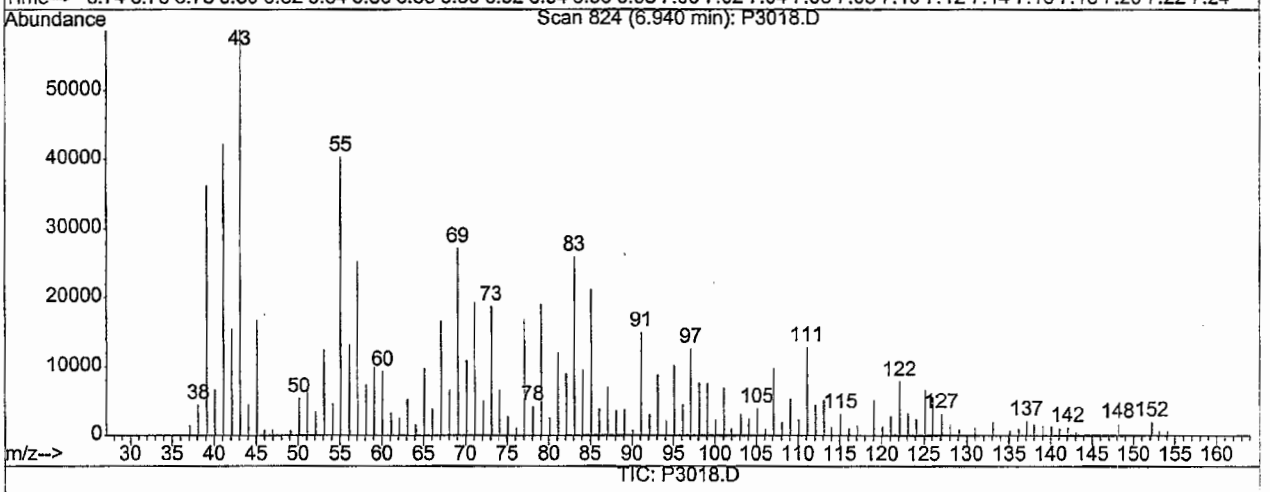
NO

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3018.D Vial: 4
Acq On : 18 Jul 2005 11:31 am Operator: JK SOP50
Sample : 0506217-10 5X Inst : HPSV-2
Misc : SOIL EX050628-8 2ML Vf Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 12:28 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 19 12:01:06 2005
Response via : Multiple Level Calibration





(30) 2,4-Dimethylphenol (T)

6.94min 2.84ng/uL m

response 30000

Ion	Exp%	Act%
107.00	100	100
122.00	83.10	127.87#
121.00	45.00	19.16#
0.00	0.00	0.00

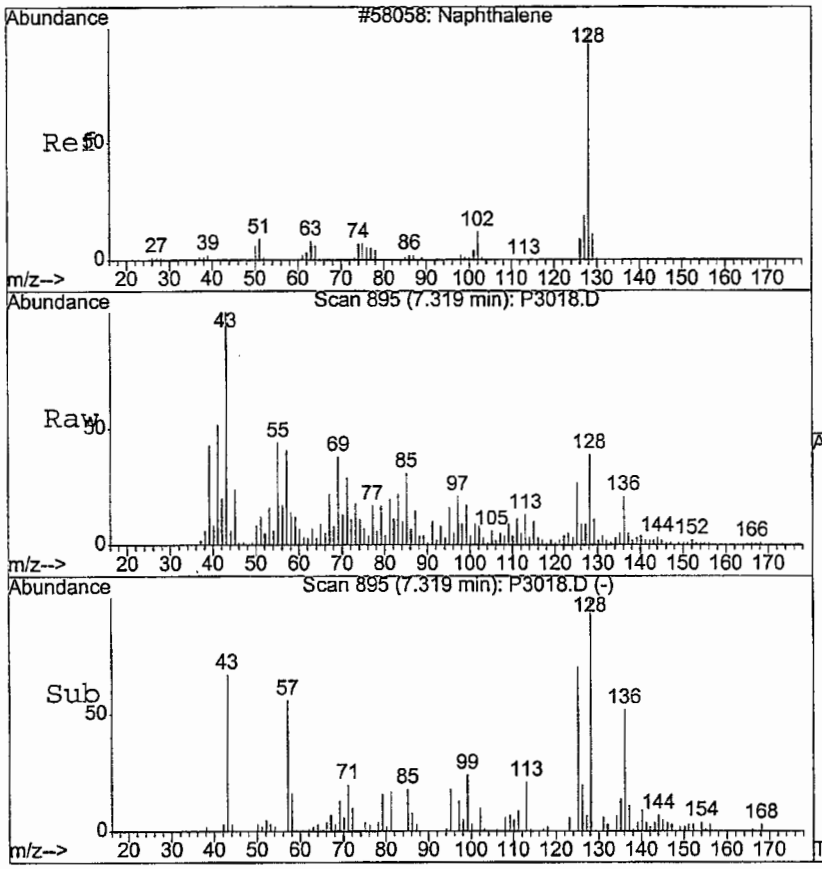
MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-19-05

Before

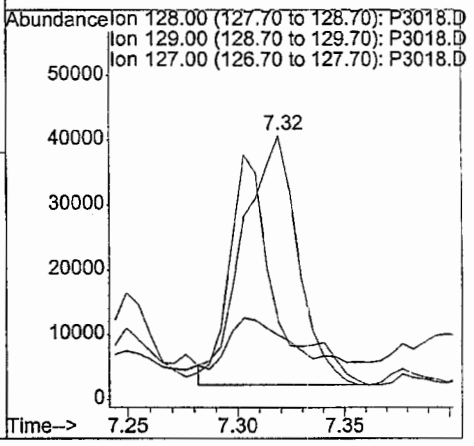
P3018.D 071205S2.M Tue Jul 19 12:28:17 2005

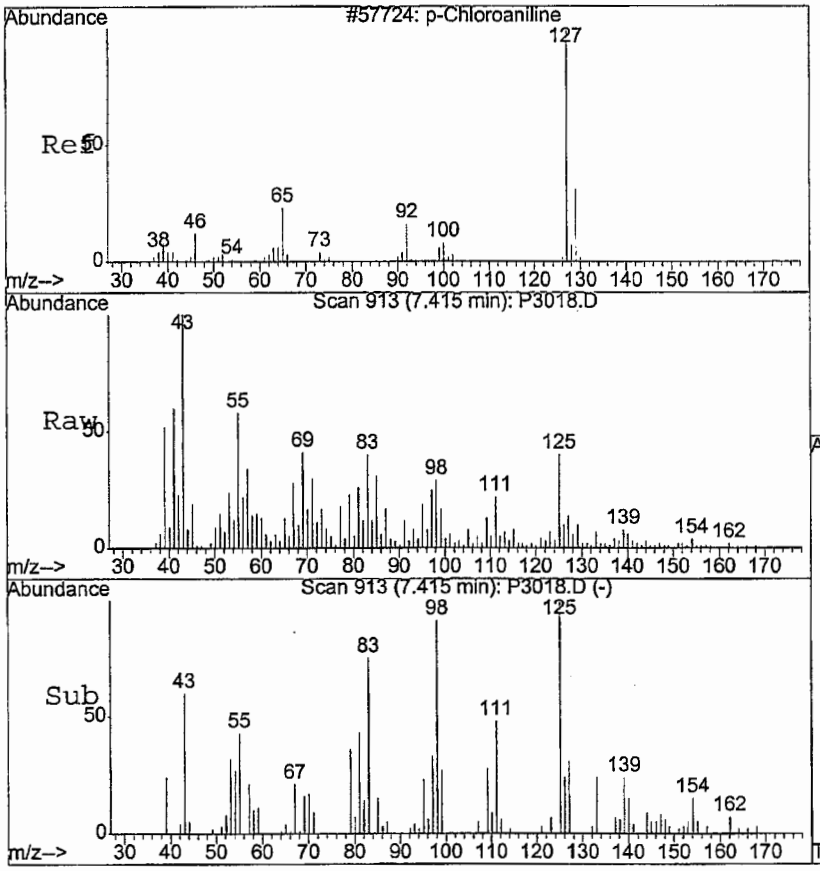


#35
Naphthalene
Concen: 2.35 ng/uL
RT: 7.32 min Scan# 895
Delta R.T. 0.00 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:128 Resp: 68205

Ion	Ratio	Lower	Upper
128	100		
129	76.8	8.5	14.1#
127	24.7	10.2	17.0#

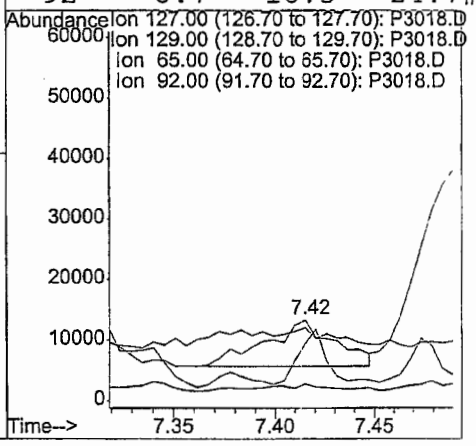


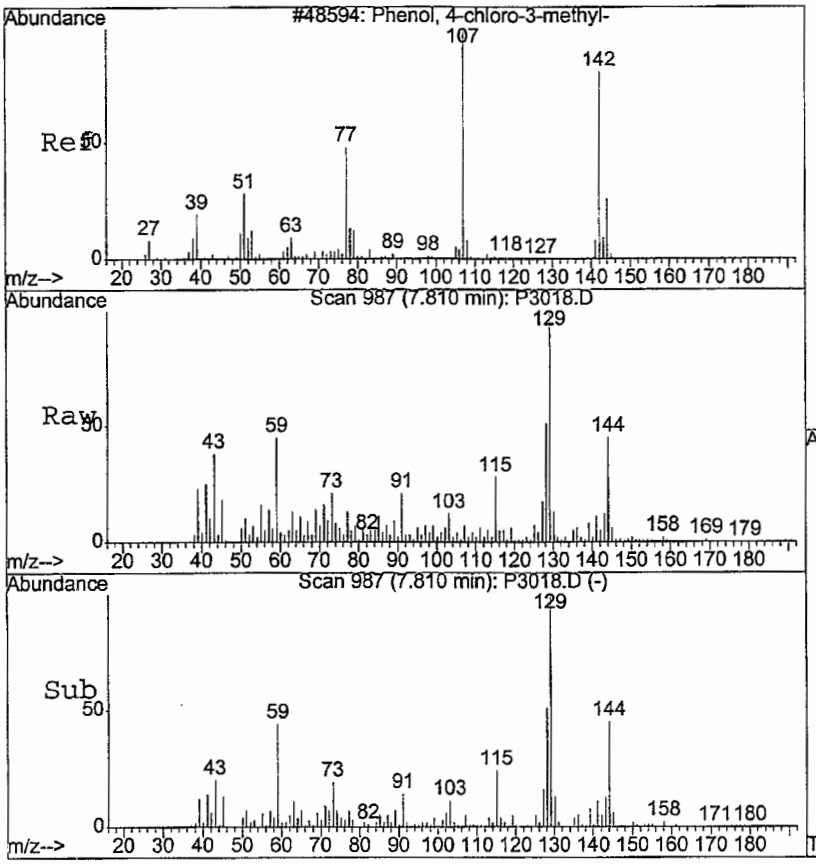


#36
4-Chloroaniline
Concen: 1.71 ng/uL
RT: 7.42 min Scan# 913
Delta R.T. 0.05 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:127 Resp: 18368

Ion	Ratio	Lower	Upper
127	100		
129	48.8	20.5	42.7#
65	63.8	26.4	39.6#
92	6.7	16.5	24.7#

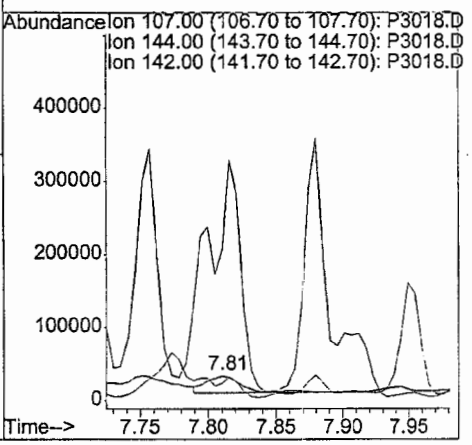


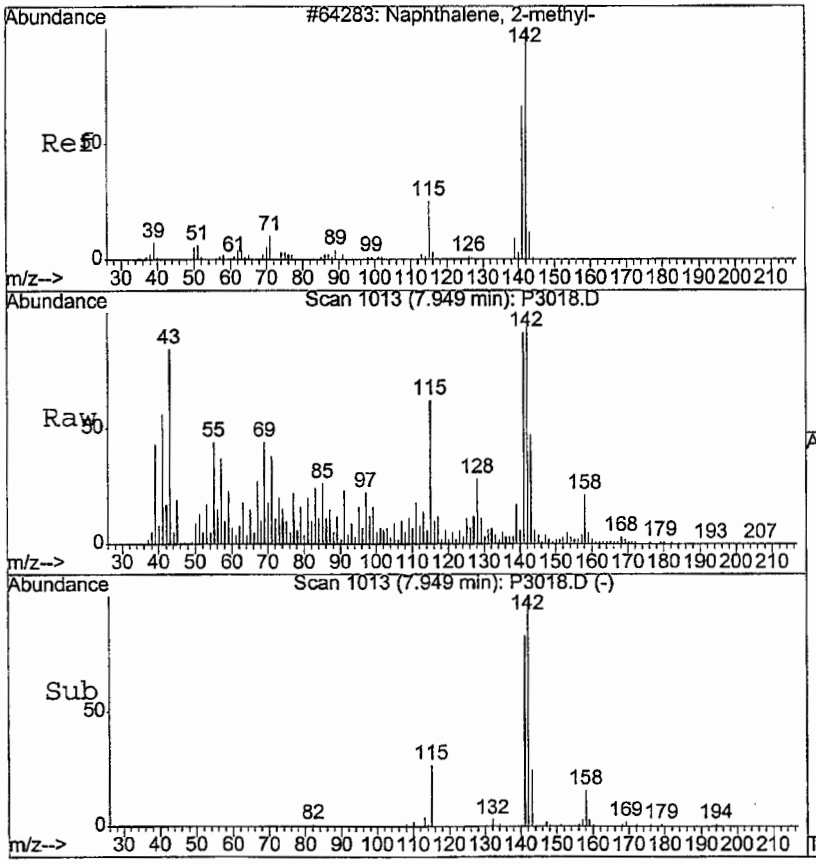


#38
4-Chloro-3-methylphenol
Concen: 5.33 ng/uL
RT: 7.81 min Scan# 987
Delta R.T. 0.02 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:107 Resp: 44017

Ion	Ratio	Lower	Upper
107	100		
144	1290.6	16.8	34.8#
142	0.0	51.4	106.8#

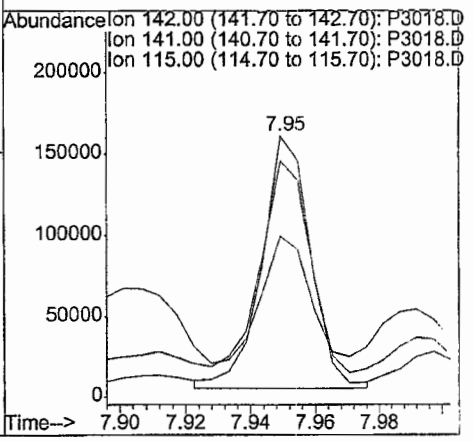


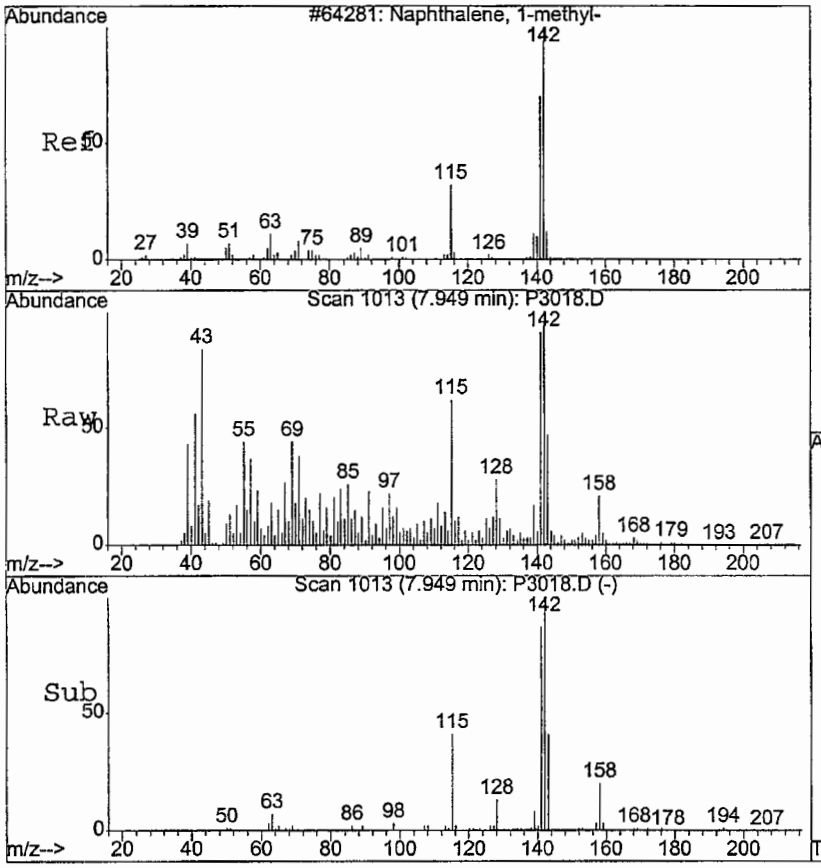


#39
2-Methylnaphthalene
Concen: 8.51 ng/uL
RT: 7.95 min Scan# 1013
Delta R.T. 0.01 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:142 Resp: 164090

Ion	Ratio	Lower	Upper
142	100		
141	90.8	51.5	106.9
115	49.8	27.5	57.1

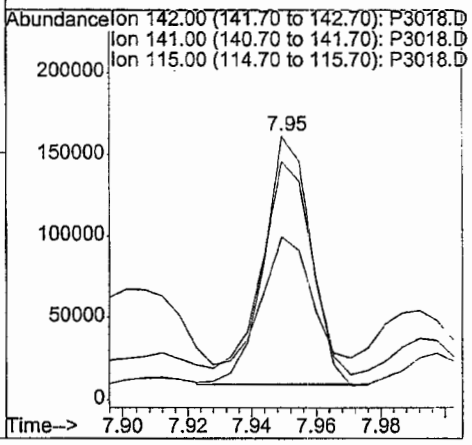




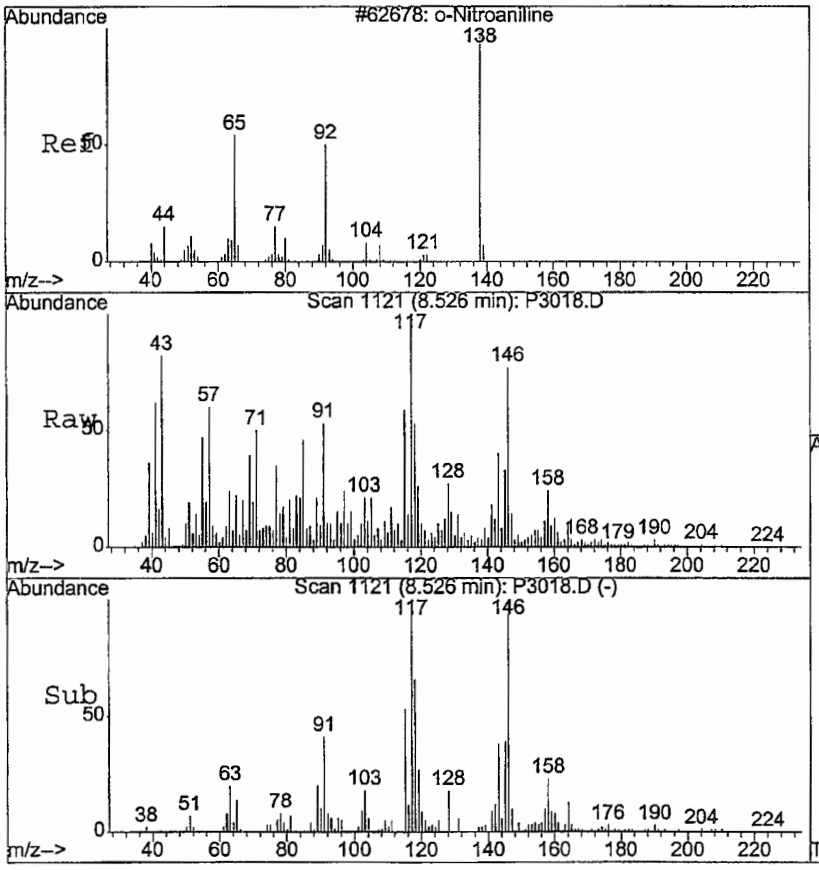
#40
1-Methylnaphthalene
Concen: 8.09 ng/uL
RT: 7.95 min Scan# 1013
Delta R.T. -0.09 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:142 Resp: 150857

Ion	Ratio	Lower	Upper
142	100		
141	90.8	52.9	109.9
115	54.2	28.3	58.7



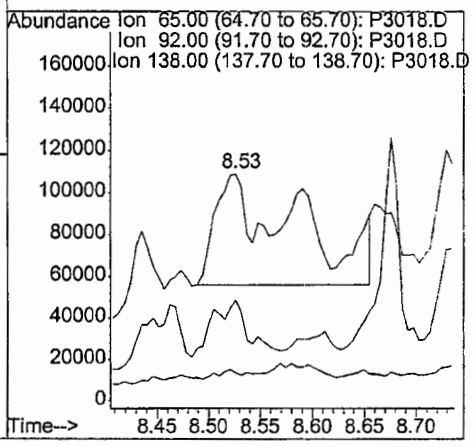
Before



#47
2-Nitroaniline
Concen: 42.39 ng/uL
RT: 8.53 min Scan# 1121
Delta R.T. 0.05 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion: 65 Resp: 279316

Ion	Ratio	Lower	Upper
65	100		
92	35.8	50.0	83.4#
138	4.1	79.7	132.9#

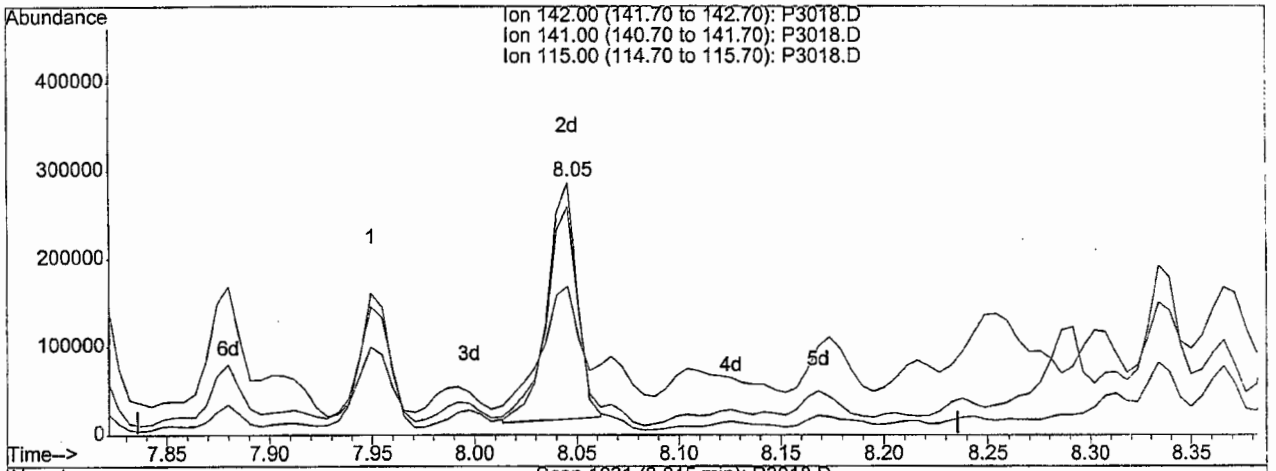


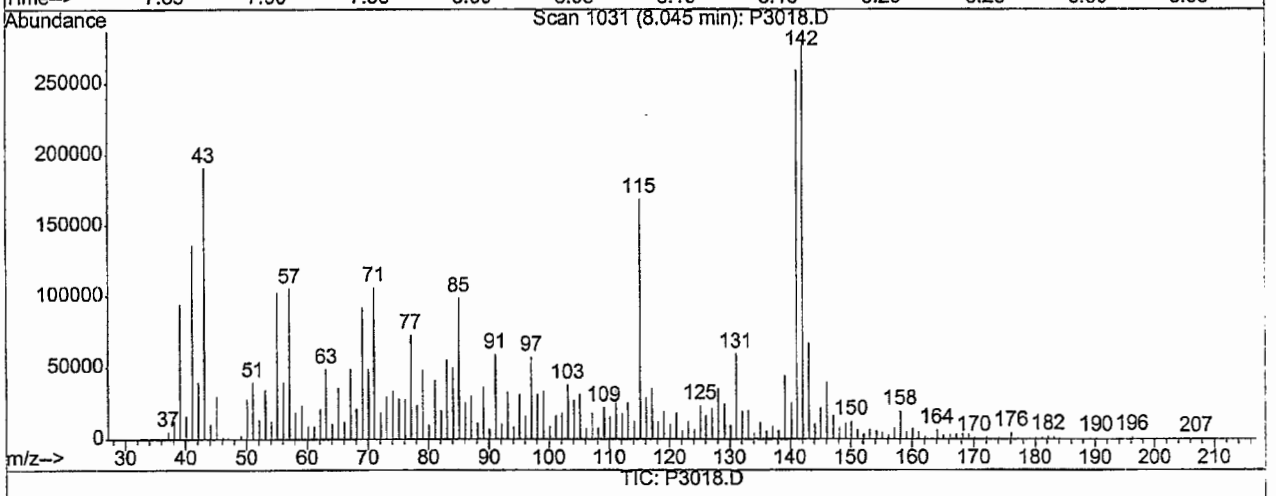
ne

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3018.D Vial: 4
Acq On : 18 Jul 2005 11:31 am Operator: JK SOP50
Sample : 0506217-10 5X Inst : HPSV-2
Misc : SOIL EX050628-8 2ML Vf Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 12:29 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 19 12:01:06 2005
Response via : Multiple Level Calibration





(40) 1-Methylnaphthalene (T)

8.05min 14.51ng/uL m

response 270390

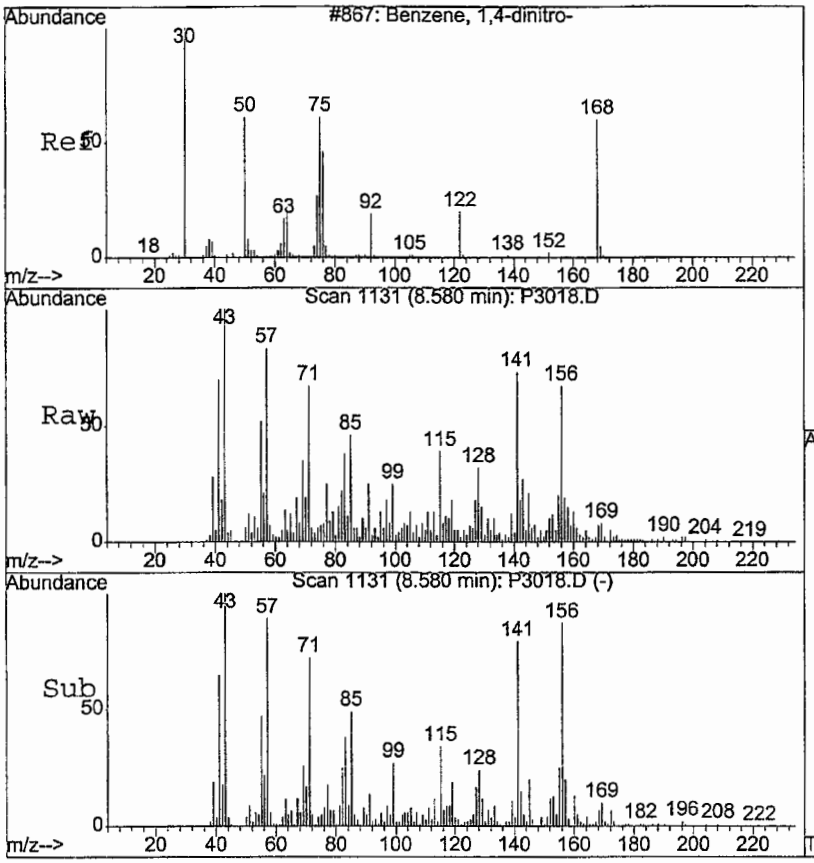
Ion	Exp%	Act%
142.00	100	100
141.00	81.40	50.68#
115.00	43.50	30.23
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- [x] missed peak assignment
- [ ] assigned incorrect name to peak
- [x] over-integrated peak's area
- [ ] under-integrated peak's area
- [ ] other _____

initials JK *date* 7-19-01

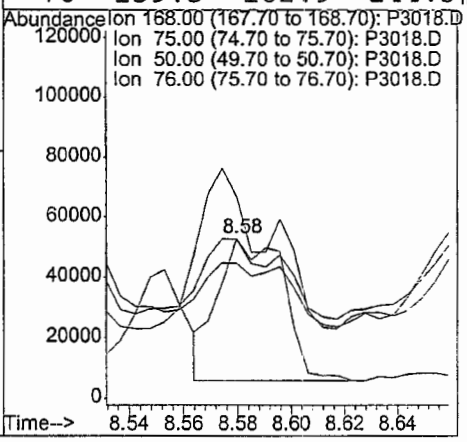
P3018.D 071205S2.M Tue Jul 19 12:29:10 2005

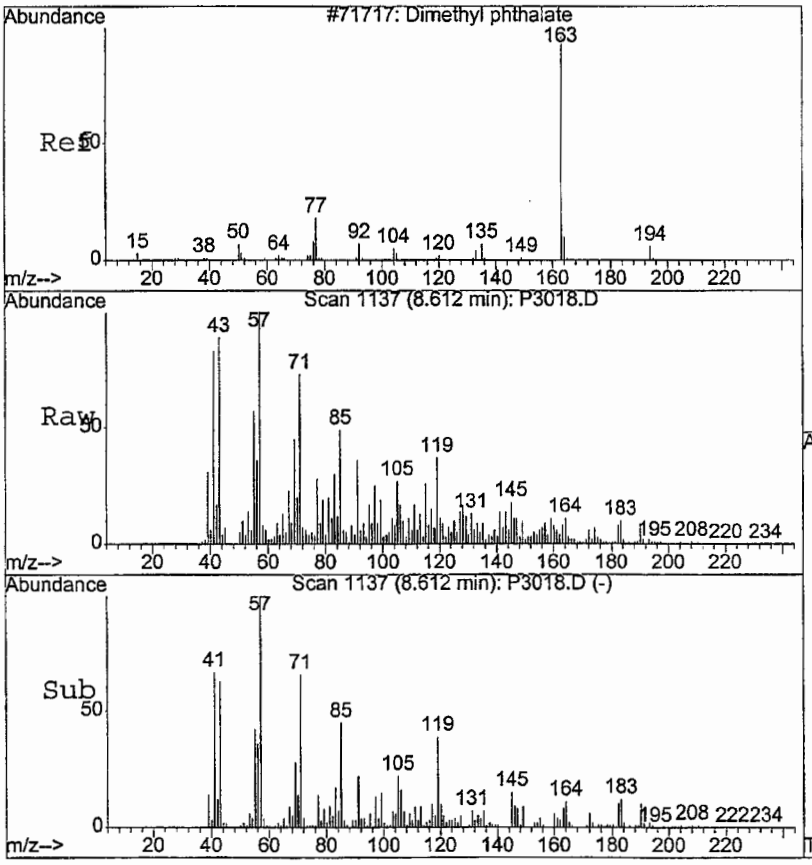


#48
1,4-Dinitrobenzene
Concen: 20.98 ng/uL
RT: 8.58 min Scan# 1131
Delta R.T. -0.01 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:168 Resp: 79610

Ion	Ratio	Lower	Upper
168	100		
75	75.1	118.3	197.3#
50	73.0	92.4	154.0#
76	139.3	162.9	244.3#

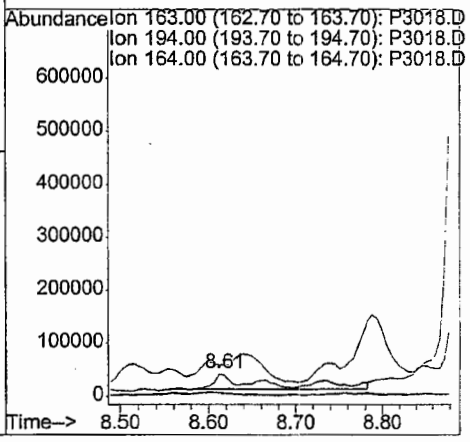


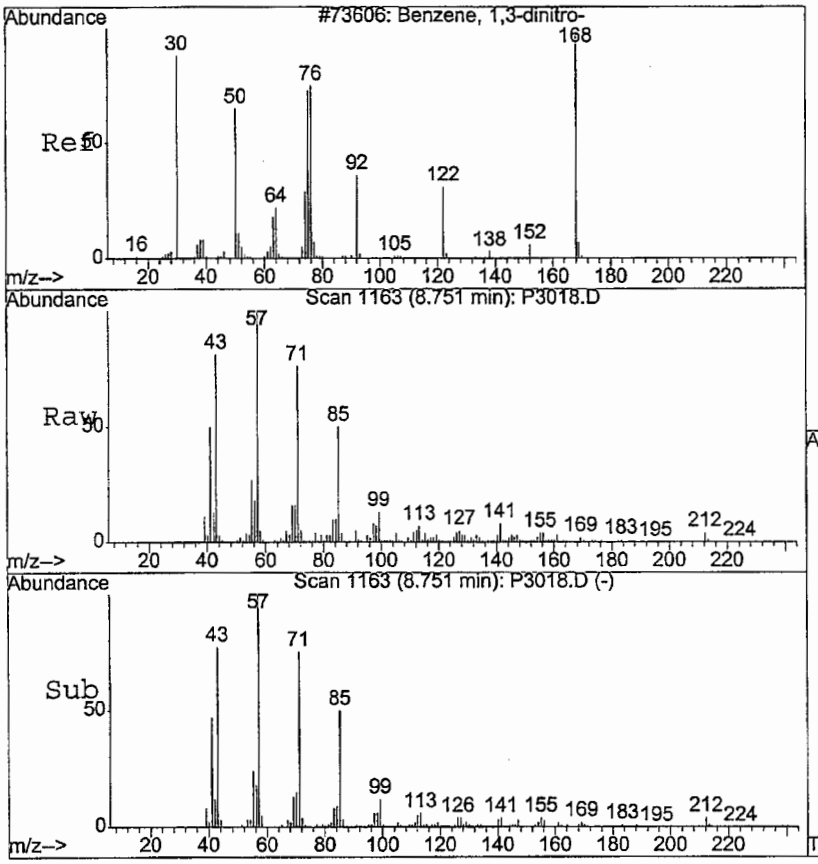


#49
Dimethylphthalate
Concen: 4.59 ng/uL
RT: 8.61 min Scan# 1137
Delta R.T. 0.01 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:163 Resp: 117528

Ion	Ratio	Lower	Upper
163	100		
194	10.7	4.7	7.9#
164	0.0	7.4	12.4#

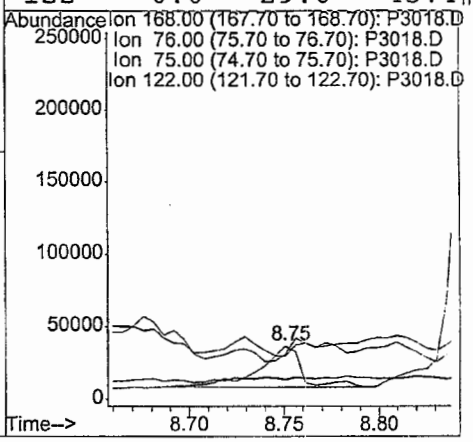


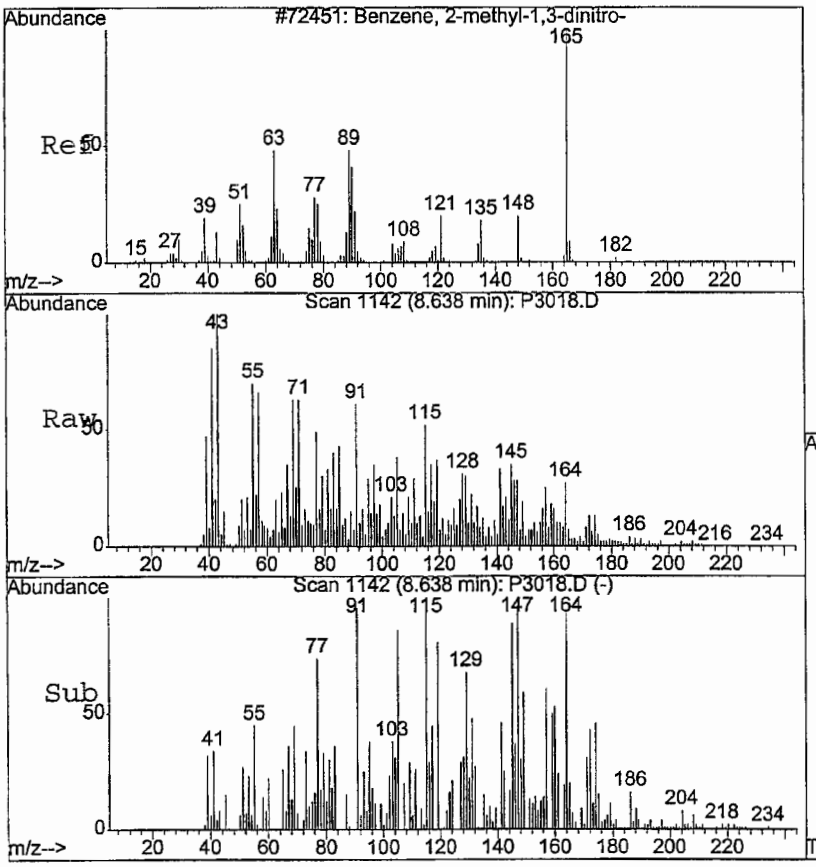


#50
1,3-Dinitrobenzene
Concen: 10.27 ng/uL
RT: 8.75 min Scan# 1163
Delta R.T. 0.10 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:168 Resp: 43551

Ion	Ratio	Lower	Upper
168	100		
76	119.4	109.3	182.3
75	29.5	109.2	182.0#
122	0.0	29.0	43.4#

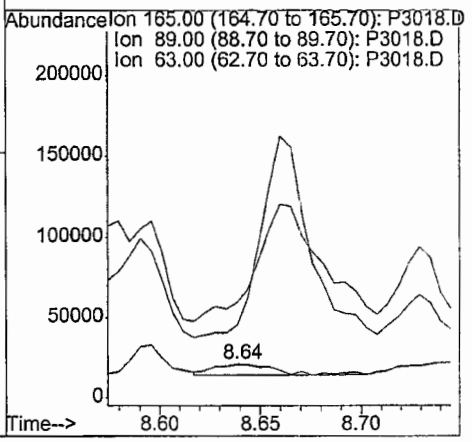


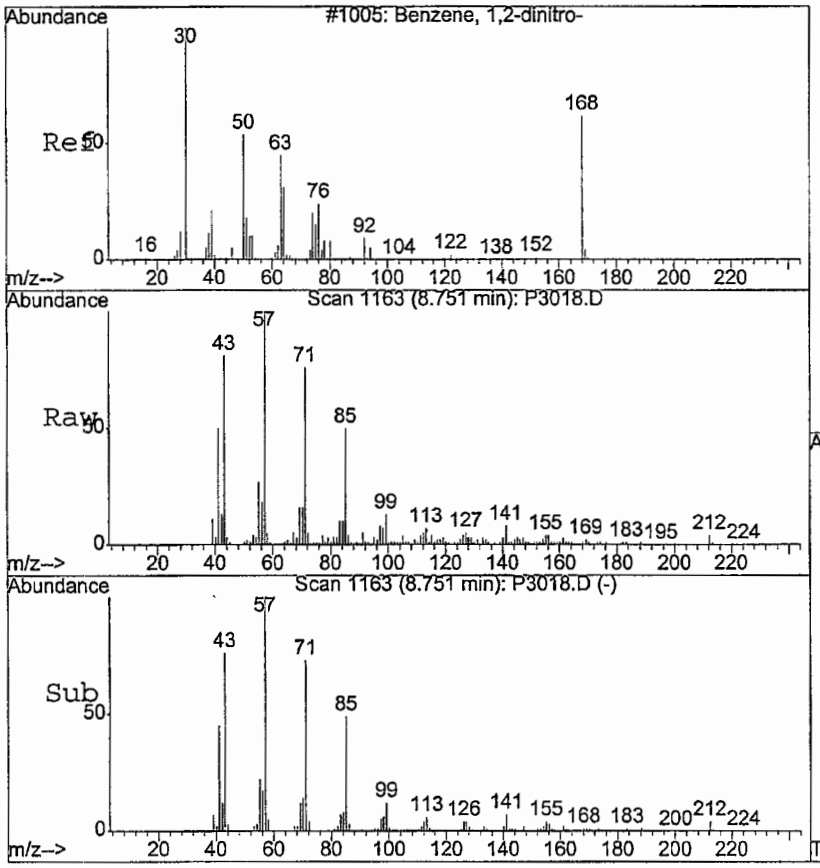


#51
2,6-Dinitrotoluene
Concen: 2.27 ng/uL
RT: 8.64 min Scan# 1142
Delta R.T. -0.03 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:165 Resp: 14484

Ion	Ratio	Lower	Upper
165	100		
89	1433.8	50.0	83.4#
63	1126.1	65.5	109.1#

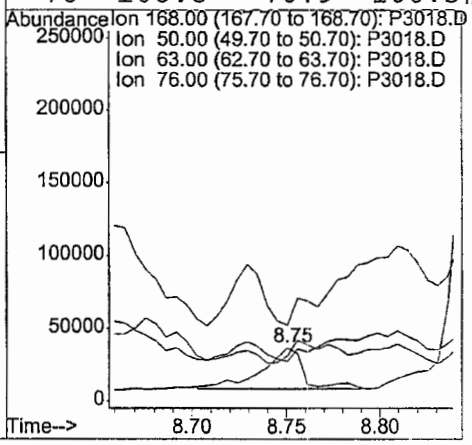


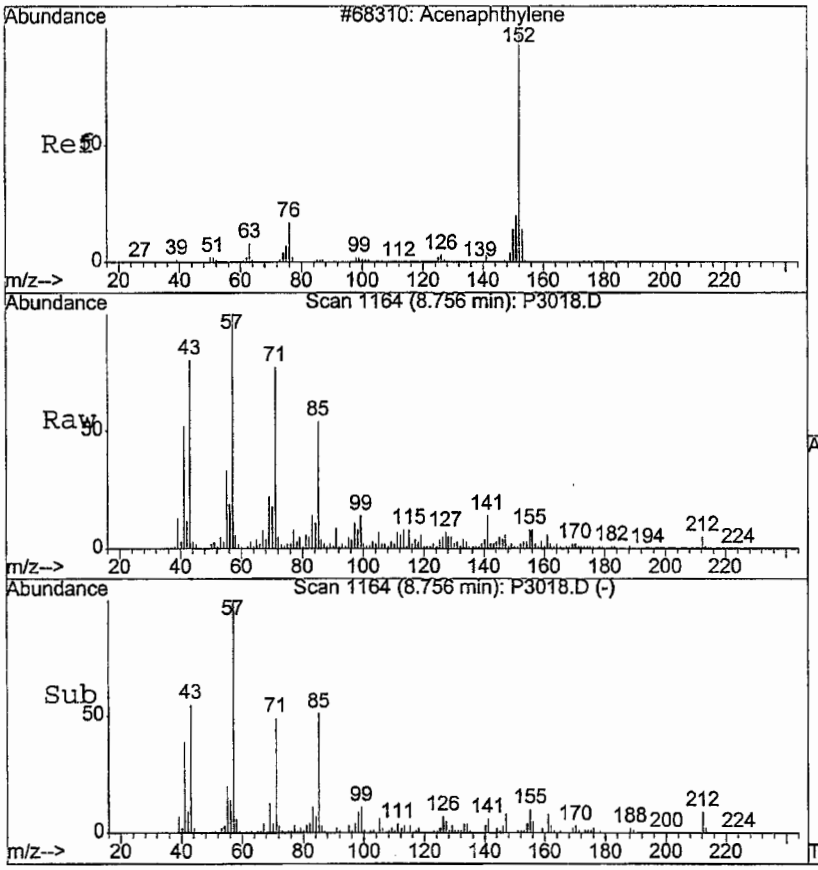


#52
1,2-Dinitrobenzene
Concen: 15.71 ng/uL
RT: 8.75 min Scan# 1163
Delta R.T. 0.02 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:168 Resp: 43551

Ion	Ratio	Lower	Upper
168	100		
50	0.0	84.4	140.6#
63	0.0	89.9	149.9#
76	108.8	70.9	106.3#

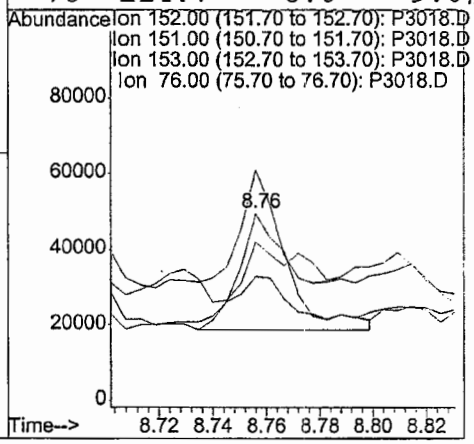


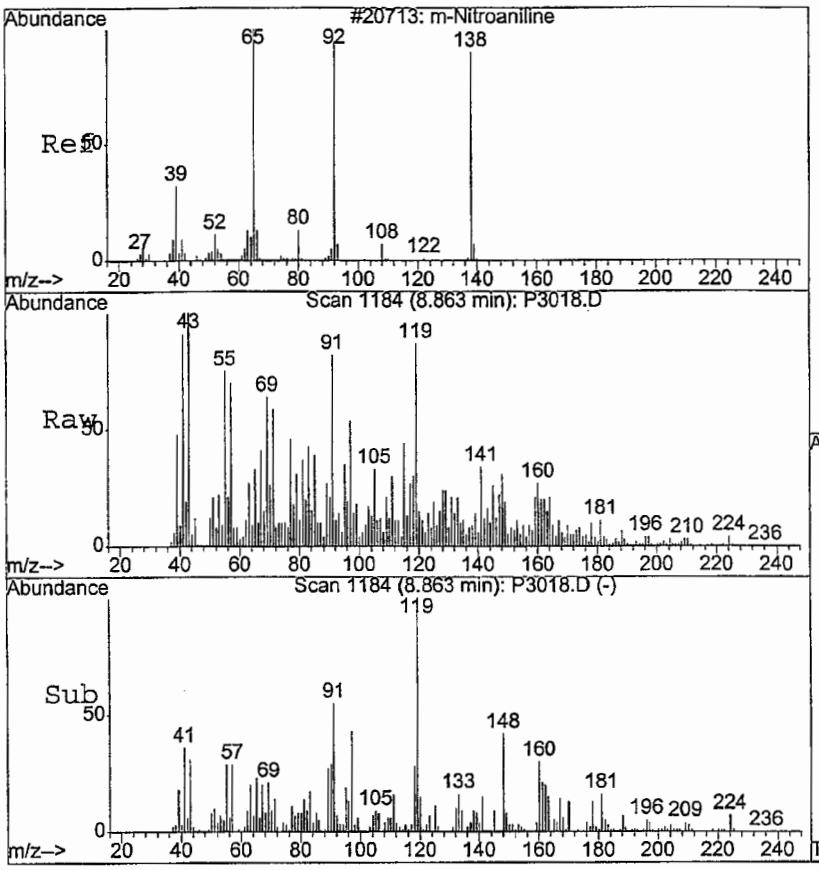


#53
Acenaphthylene
Concen: 1.11 ng/uL
RT: 8.76 min Scan# 1164
Delta R.T. -0.00 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:152 Resp: 41334

Ion	Ratio	Lower	Upper
152	100		
151	55.9	14.7	24.5#
153	109.7	10.0	16.6#
76	114.7	6.0	9.0#

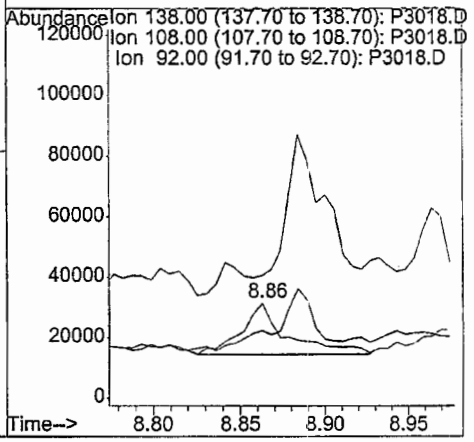


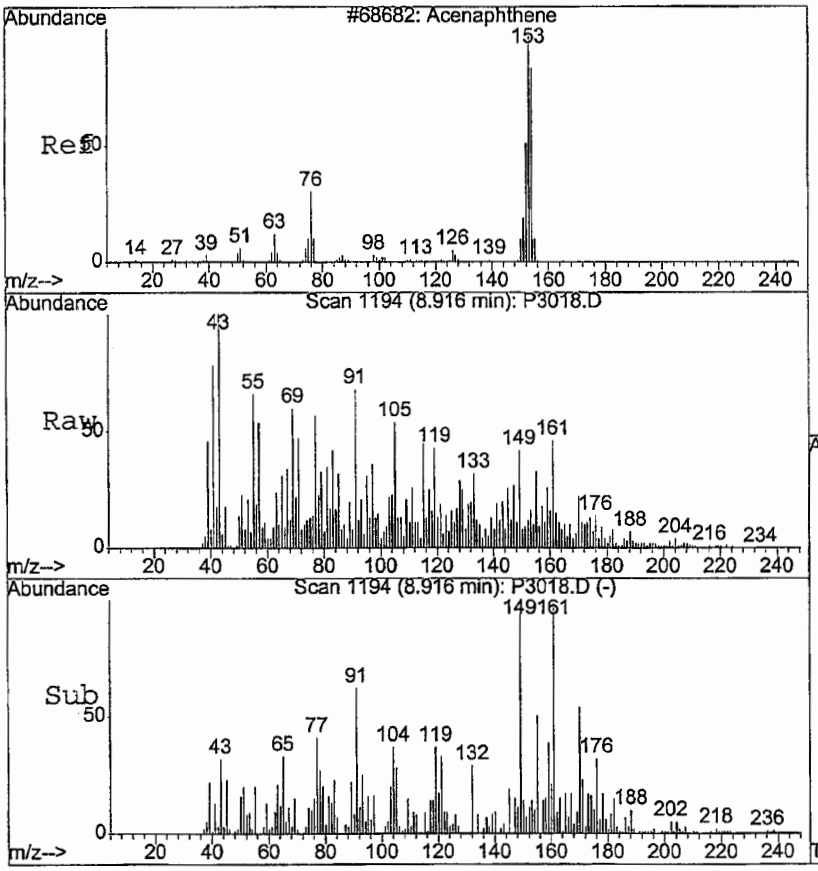


#54
3-Nitroaniline
Concen: 6.04 ng/uL
RT: 8.86 min Scan# 1184
Delta R.T. 0.03 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:138 Resp: 32103

Ion	Ratio	Lower	Upper
138	100		
108	110.8	8.8	14.8#
92	294.2	85.0	141.8#

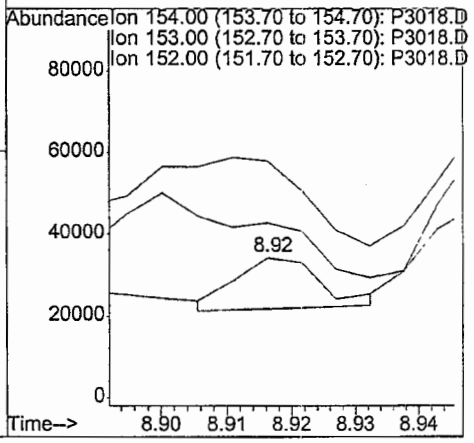


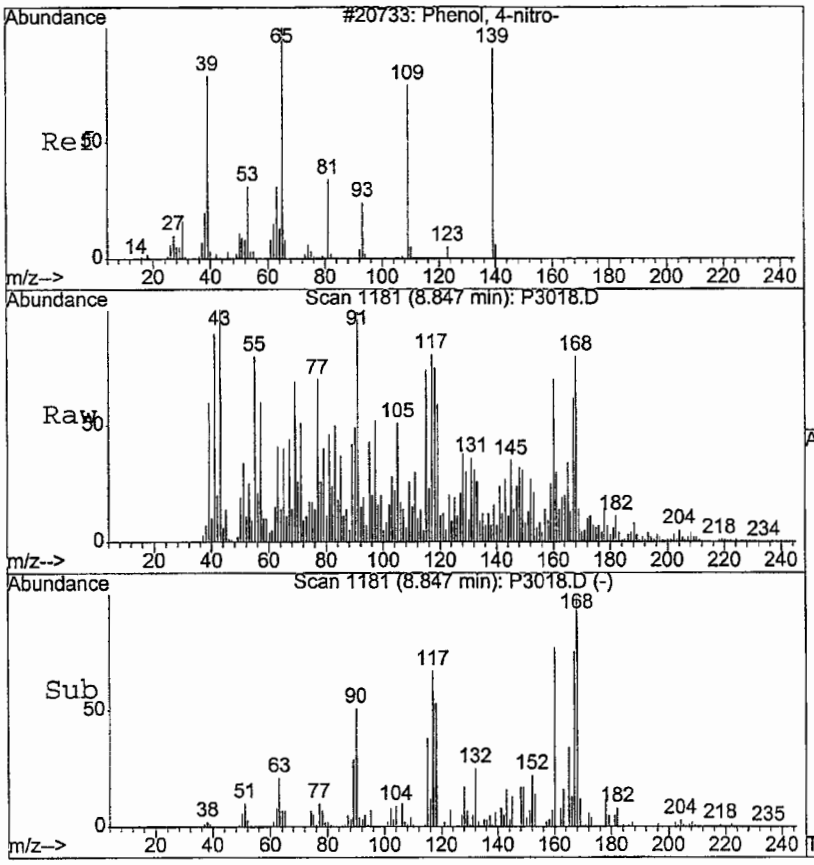


#55
Acenaphthene
Concen: 0.47 ng/uL
RT: 8.92 min Scan# 1194
Delta R.T. 0.02 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:154 Resp: 11421

Ion	Ratio	Lower	Upper
154	100		
153	461.7	70.5	117.5#
152	447.9	33.3	55.5#

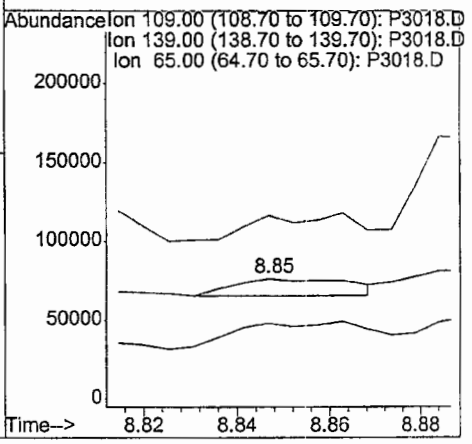


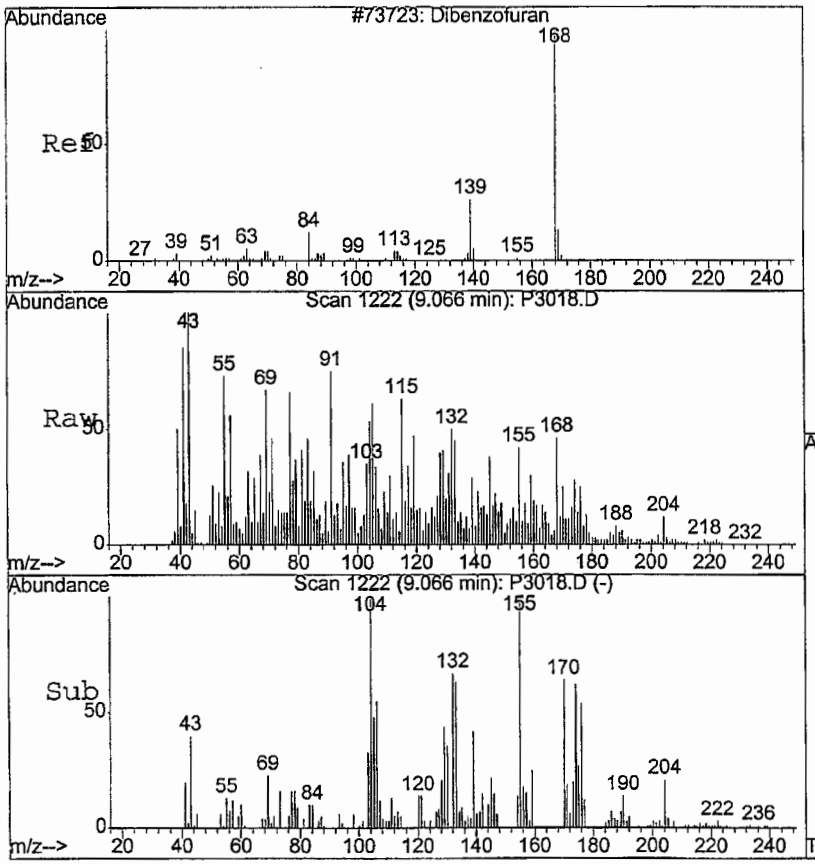


#57
4-Nitrophenol
Concen: 4.91 ng/uL
RT: 8.85 min Scan# 1181
Delta R.T. -0.12 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:109 Resp: 19033

Ion	Ratio	Lower	Upper
109	100		
139	181.5	69.1	115.1#
65	119.8	72.9	121.5

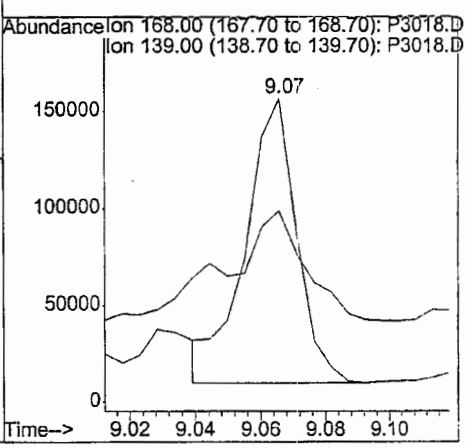


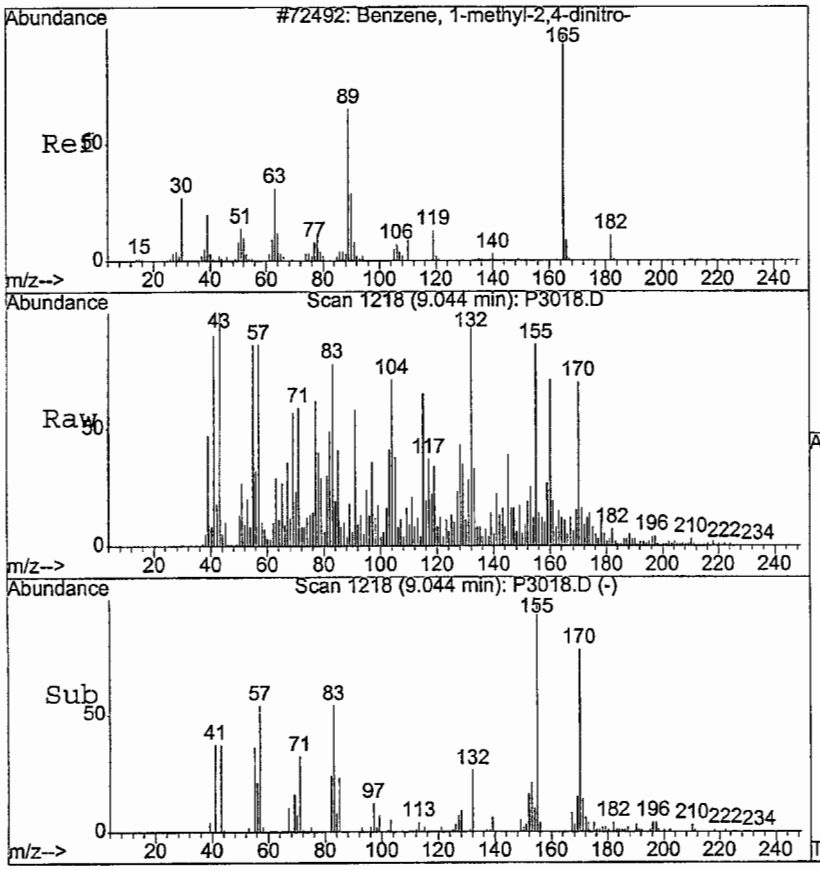


#58
Dibenzofuran
Concen: 4.83 ng/uL
RT: 9.07 min Scan# 1222
Delta R.T. 0.02 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:168 Resp: 160541

Ion	Ratio	Lower	Upper
168	100		
139	60.1	27.9	46.5#

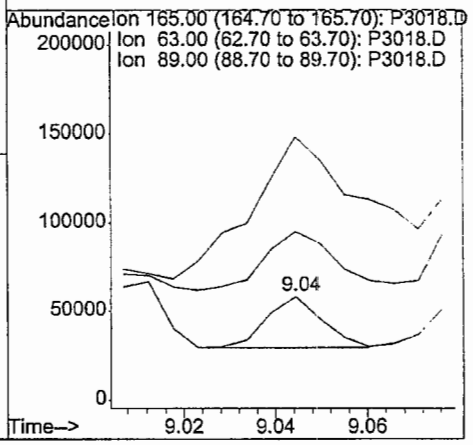


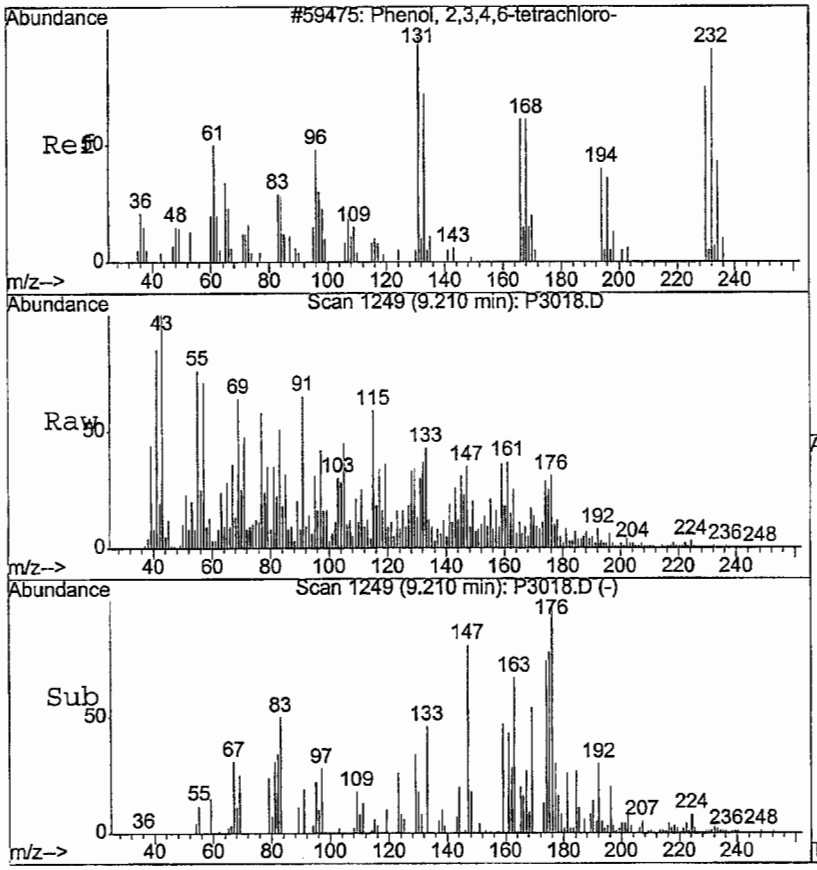


#59
2,4-Dinitrotoluene
Concen: 3.04 ng/uL
RT: 9.04 min Scan# 1218
Delta R.T. 0.02 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:165 Resp: 24140

Ion	Ratio	Lower	Upper
165	100		
63	760.9	38.5	64.1#
89	148.9	59.8	99.6#

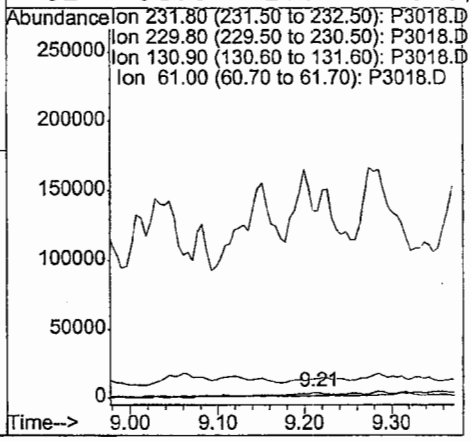


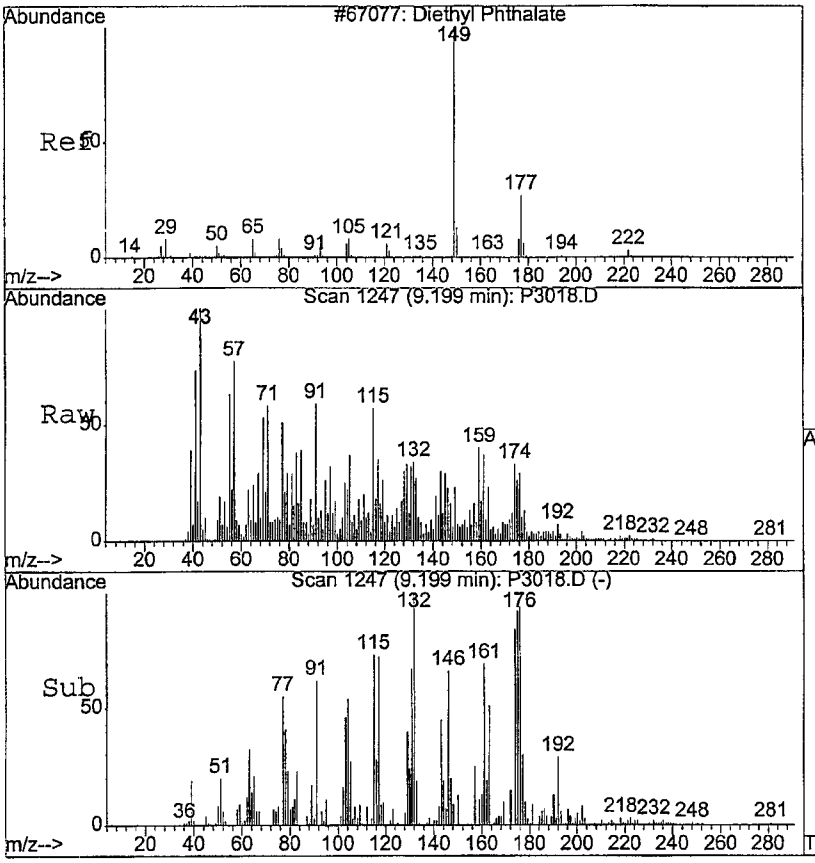


#61
2,3,4,6-Tetrachlorophenol
Concen: 2.24 ng/uL
RT: 9.21 min Scan# 1249
Delta R.T. 0.06 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:232 Resp: 14794

Ion	Ratio	Lower	Upper
232	100		
230	0.0	63.4	95.2#
131	1016.8	34.6	51.8#
61	84.6	17.2	25.8#

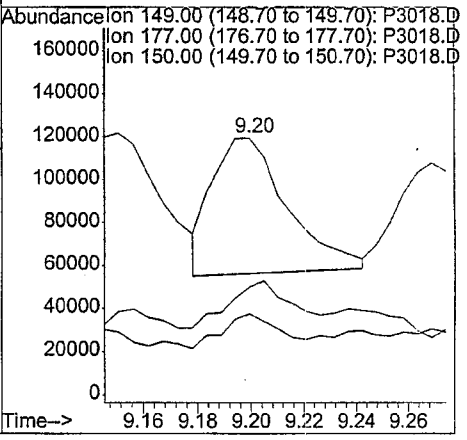


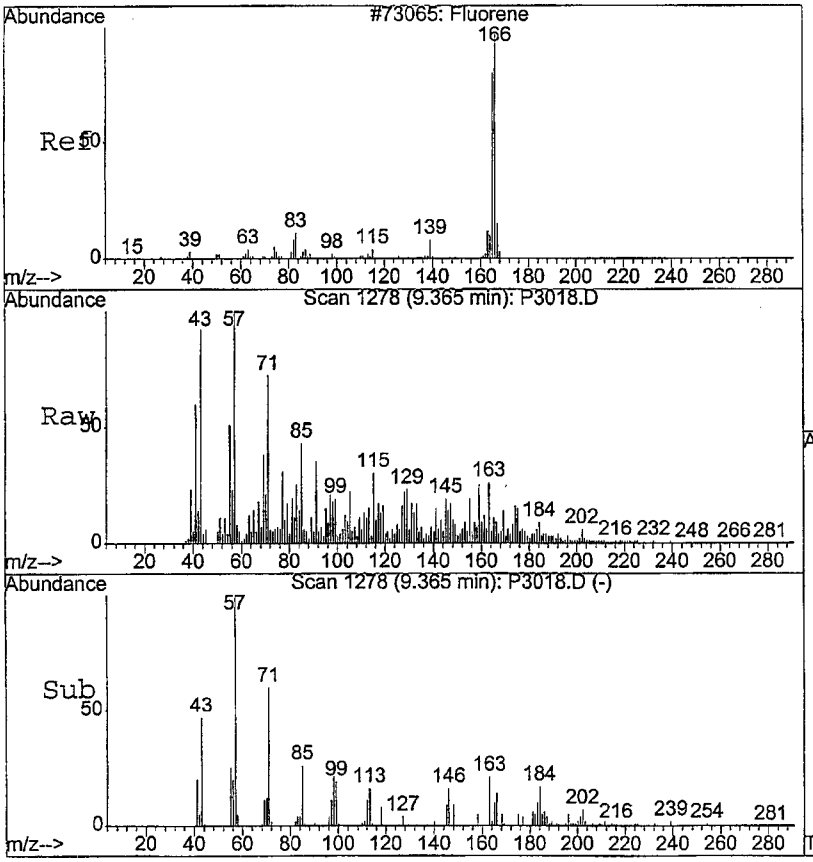


#62
Diethylphthalate
Concen: 4.95 ng/uL
RT: 9.20 min Scan# 1247
Delta R.T. 0.01 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:149 Resp: 124978

Ion	Ratio	Lower	Upper
149	100		
177	61.6	17.8	29.6#
150	54.1	9.2	15.4#

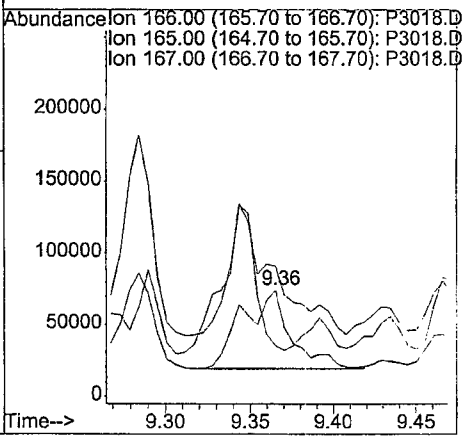


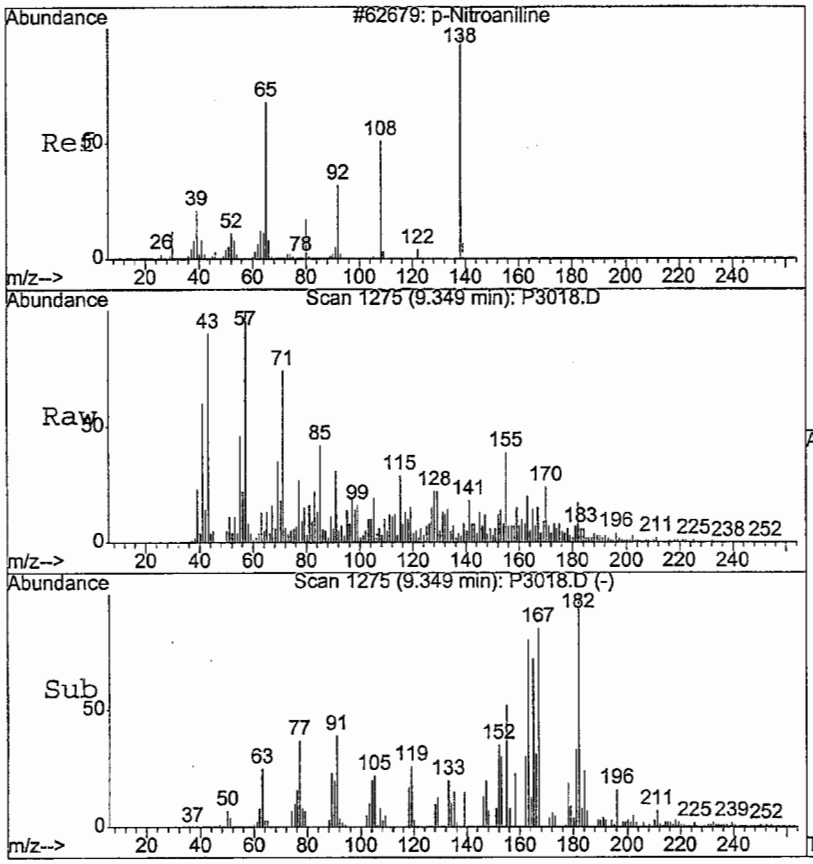


#63
Fluorene
Concen: 4.16 ng/uL
RT: 9.36 min Scan# 1278
Delta R.T. 0.02 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:166 Resp: 111892

Ion	Ratio	Lower	Upper
166	100		
165	163.7	68.2	113.6#
167	125.2	10.3	17.1#

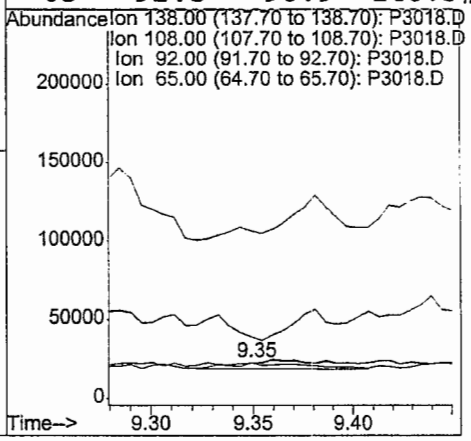


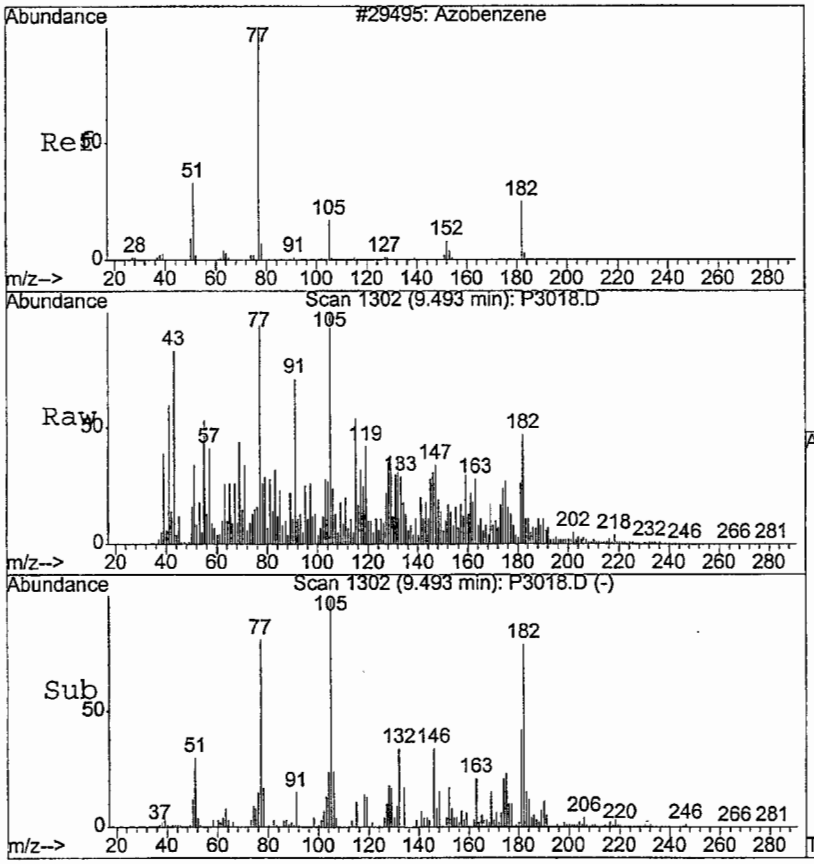


#65
4-Nitroaniline
Concen: 1.72 ng/uL
RT: 9.35 min Scan# 1275
Delta R.T. -0.02 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:138 Resp: 9558

Ion	Ratio	Lower	Upper
138	100		
108	86.6	84.1	140.1
92	0.0	40.2	67.0#
65	92.5	98.9	148.3#

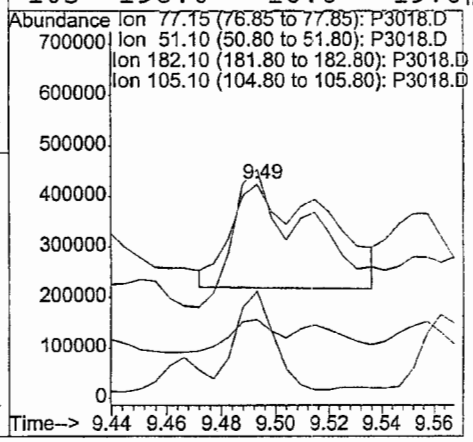




#66
Azobenzene
Concen: ~~19.49~~ ng/uL
RT: 9.49 min Scan# 1302
Delta R.T. 0.04 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

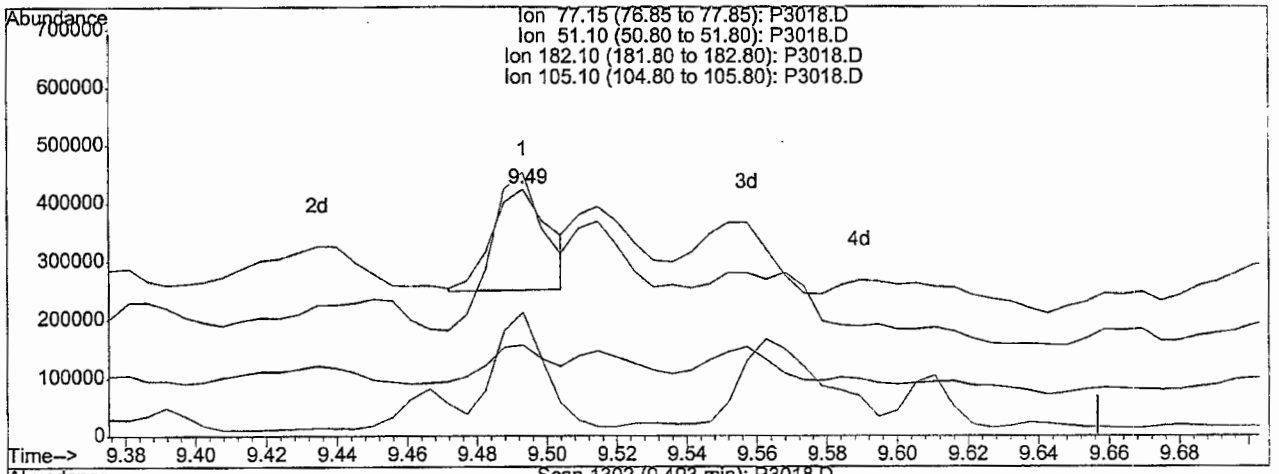
Tgt Ion: 77 Resp: 503183

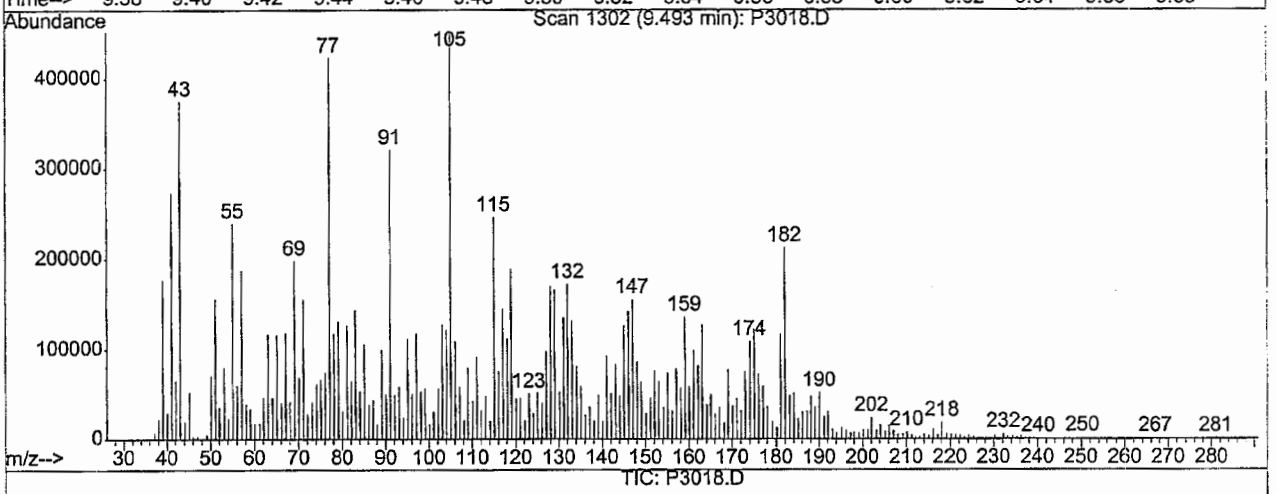
Ion	Ratio	Lower	Upper
77	100		
51	39.1	20.6	38.4#
182	37.7	19.3	35.8#
105	198.0	10.6	19.6#



Data File : C:\HPCHEM\1\DATA\071805\P3018.D Vial: 4
Acq On : 18 Jul 2005 11:31 am Operator: JK SOP50
Sample : 0506217-10 5X Inst : HPSV-2
Misc : SOIL EX050628-8 2ML Vf Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 12:31 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 19 12:01:06 2005
Response via : Multiple Level Calibration





(66) Azobenzene (T)

9.49min 7.70ng/uL m

response 198813

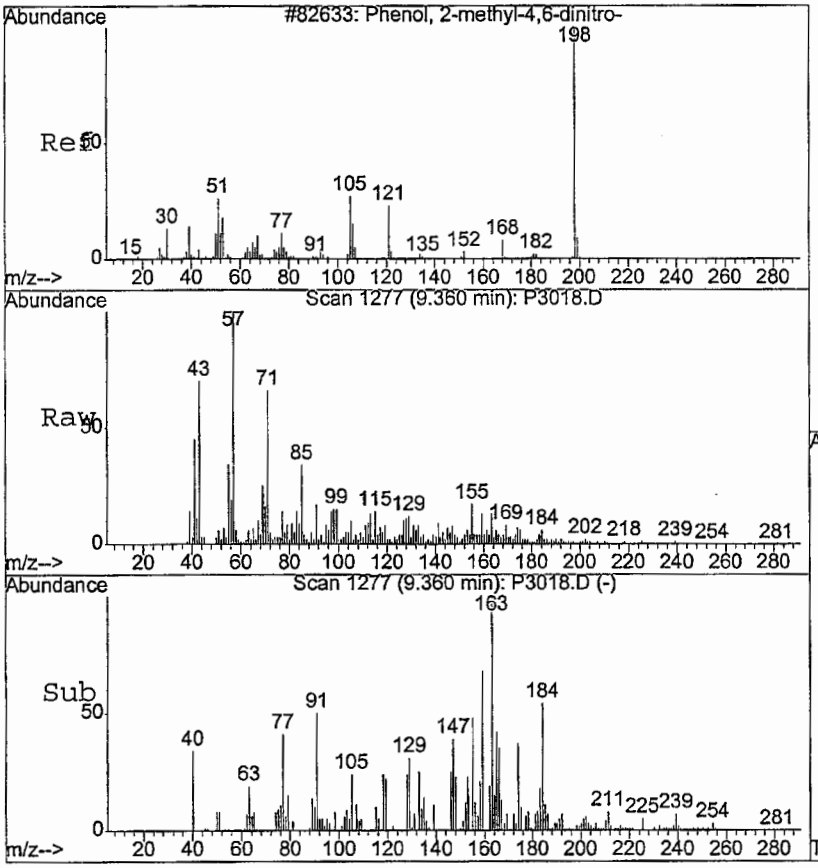
Ion	Exp%	Act%
77.15	100	100
51.10	29.50	98.83#
182.10	27.50	95.52#
105.10	15.10	501.07#

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials NL *date* 7-19-05

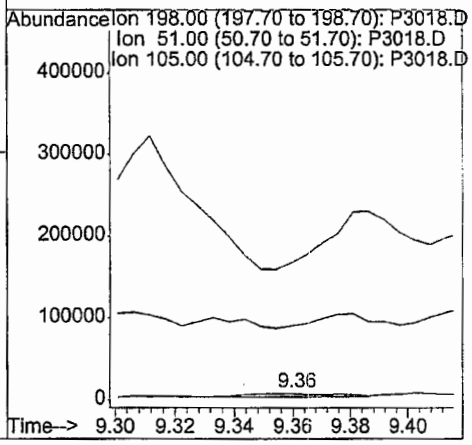
P3018.D 071205S2.M Tue Jul 19 12:32:02 2005

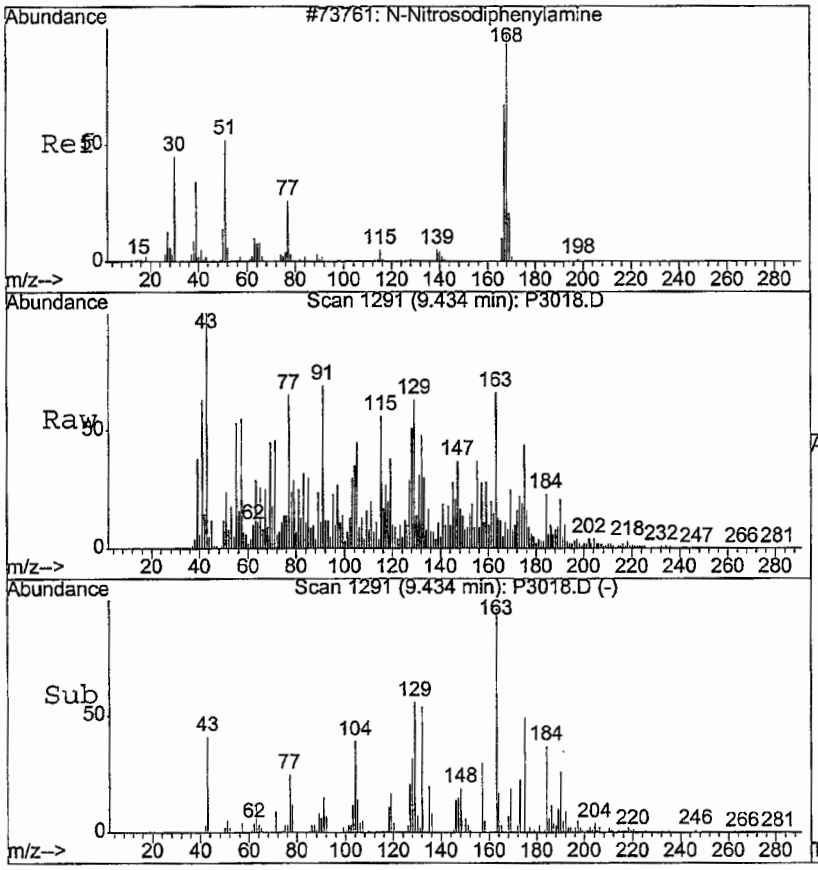


#69
4,6-Dinitro-2-methylphenol
Concen: 1.65 ng/uL
RT: 9.36 min Scan# 1277
Delta R.T. -0.02 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:198 Resp: 8399

Ion	Ratio	Lower	Upper
198	100		
51	277.6	0.0	75.2#
105	0.0	31.4	47.2#

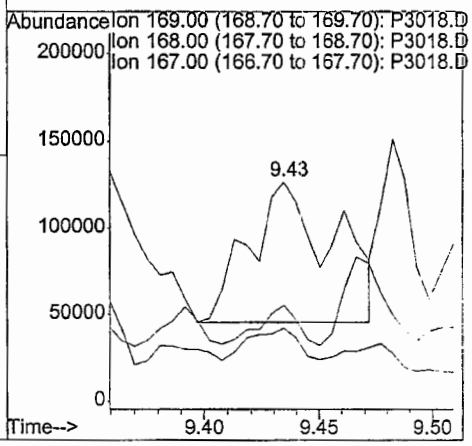


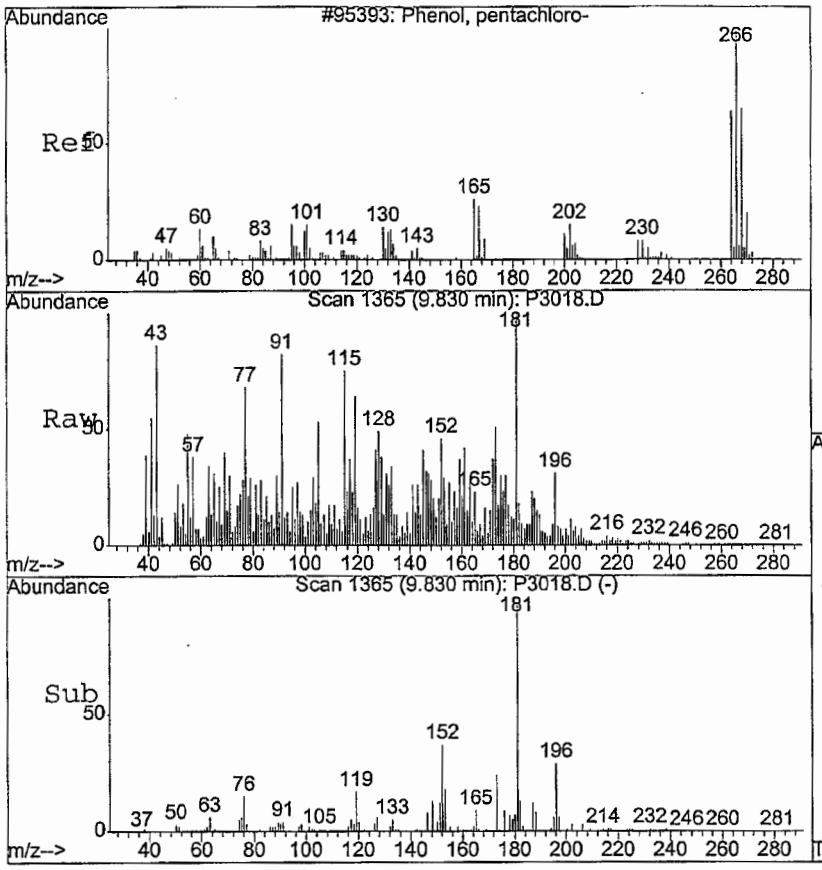


#70
n-Nitrosodiphenylamine
Concen: 8.85 ng/uL
RT: 9.43 min Scan# 1291
Delta R.T. 0.02 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:169 Resp: 207094

Ion	Ratio	Lower	Upper
169	100		
168	35.3	45.5	75.9#
167	12.5	25.0	41.6#

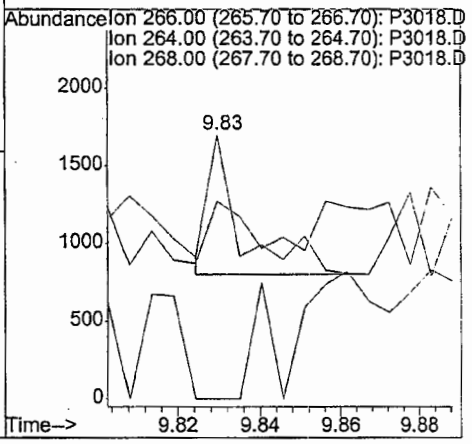


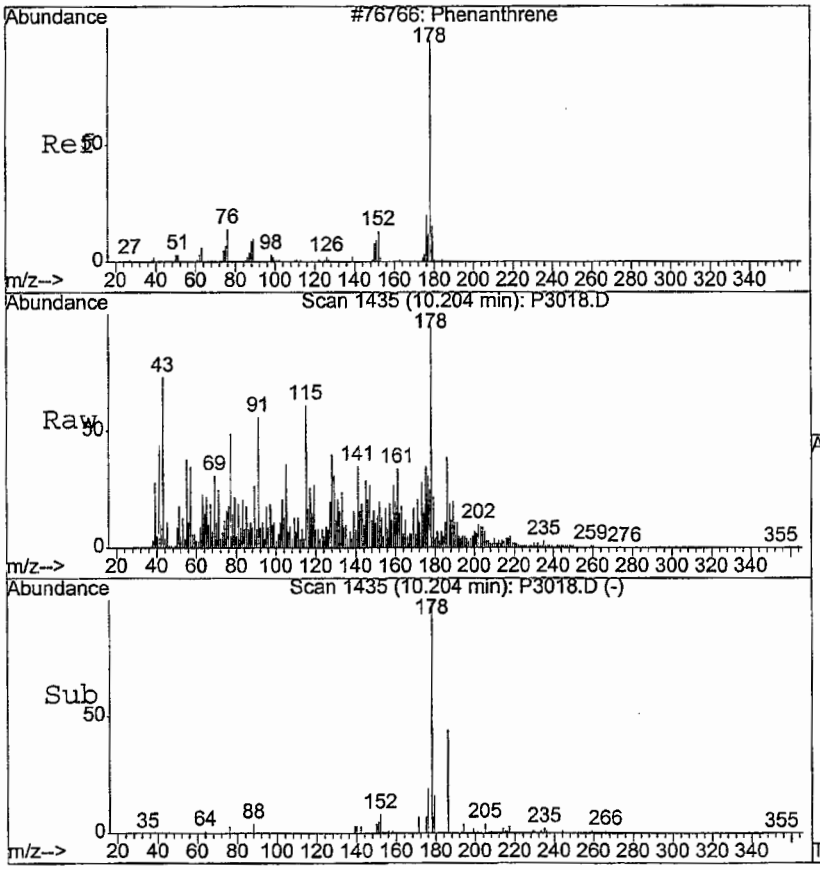


#73
Pentachlorophenol
Concen: 15.26 ng/uL
RT: 9.83 min Scan# 1365
Delta R.T. -0.16 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:266 Resp: 508

Ion	Ratio	Lower	Upper
266	100		
264	65.7	44.2	82.2
268	47.0	42.7	79.3

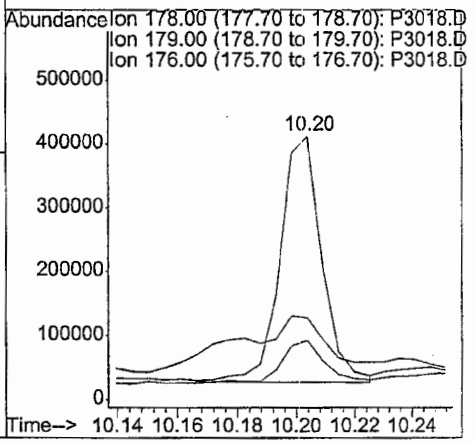


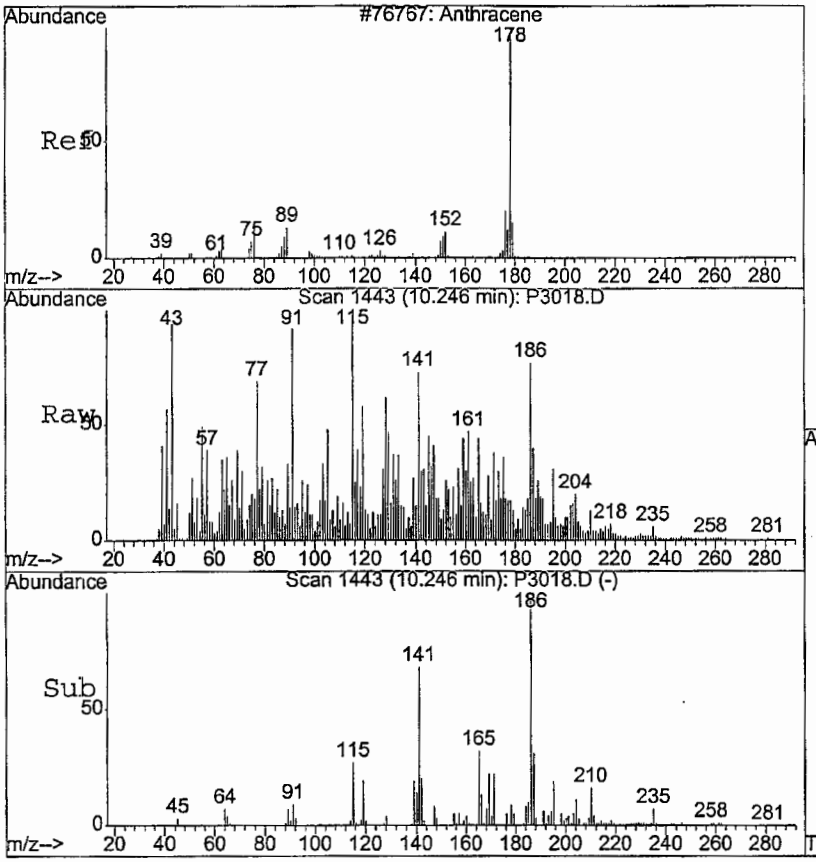


#74
Phenanthrene
Concen: 8.85 ng/uL
RT: 10.20 min Scan# 1435
Delta R.T. 0.03 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:178 Resp: 377876

Ion	Ratio	Lower	Upper
178	100		
179	18.9	11.6	19.4
176	58.4	14.0	23.3#

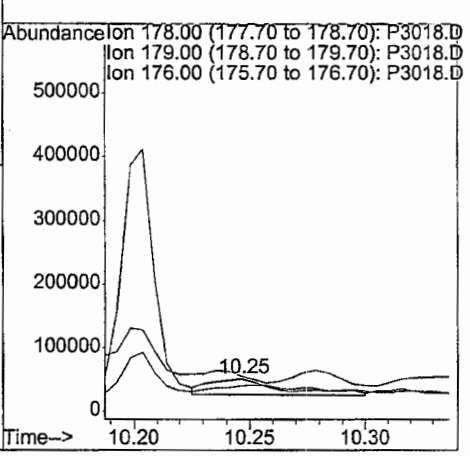


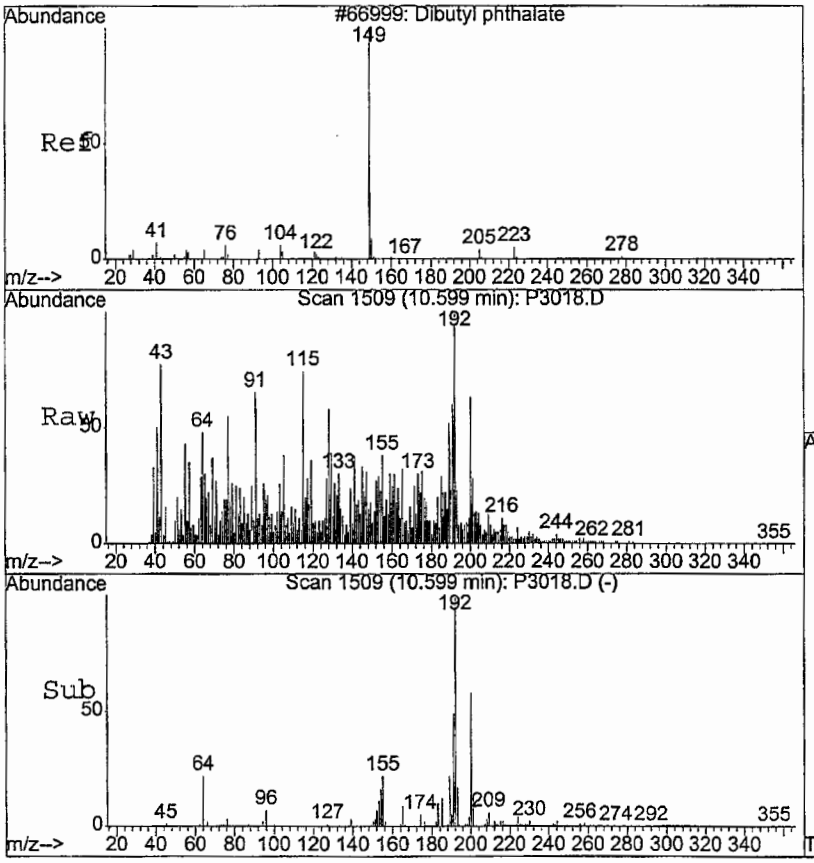


#75
Anthracene
Concen: 1.24 ng/uL
RT: 10.25 min Scan# 1443
Delta R.T. 0.03 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:178 Resp: 52924

Ion	Ratio	Lower	Upper
178	100		
179	126.0	11.8	19.6#
176	0.0	13.7	22.9#

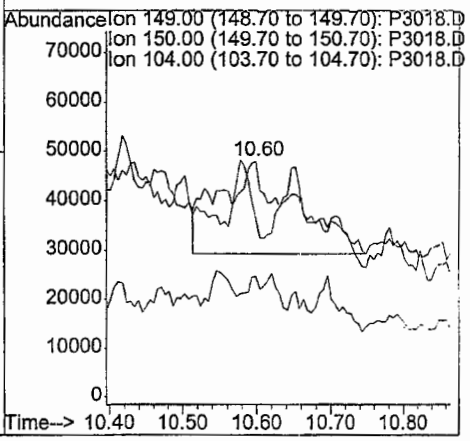


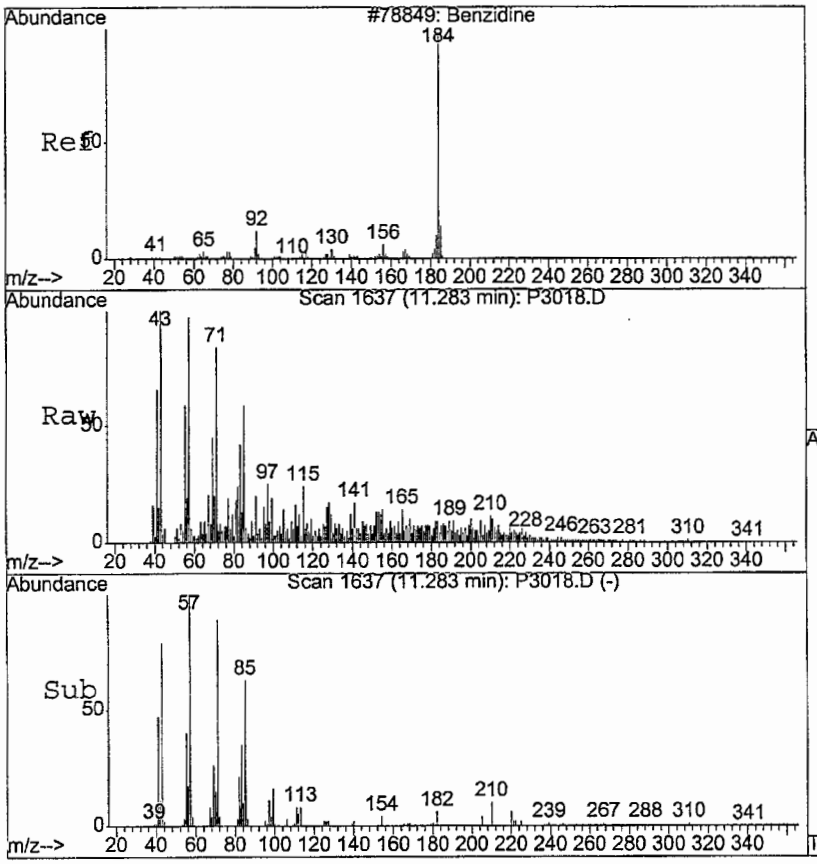


#77
Di-n-butylphthalate
Concen: 2.74 ng/uL
RT: 10.60 min Scan# 1509
Delta R.T. 0.04 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:149 Resp: 132102

Ion	Ratio	Lower	Upper
149	100		
150	0.0	6.9	11.5#
104	22.5	5.0	8.3#

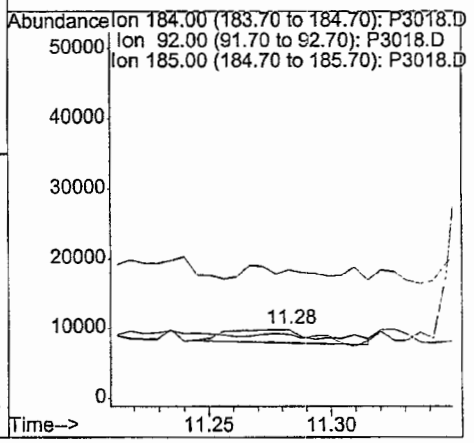


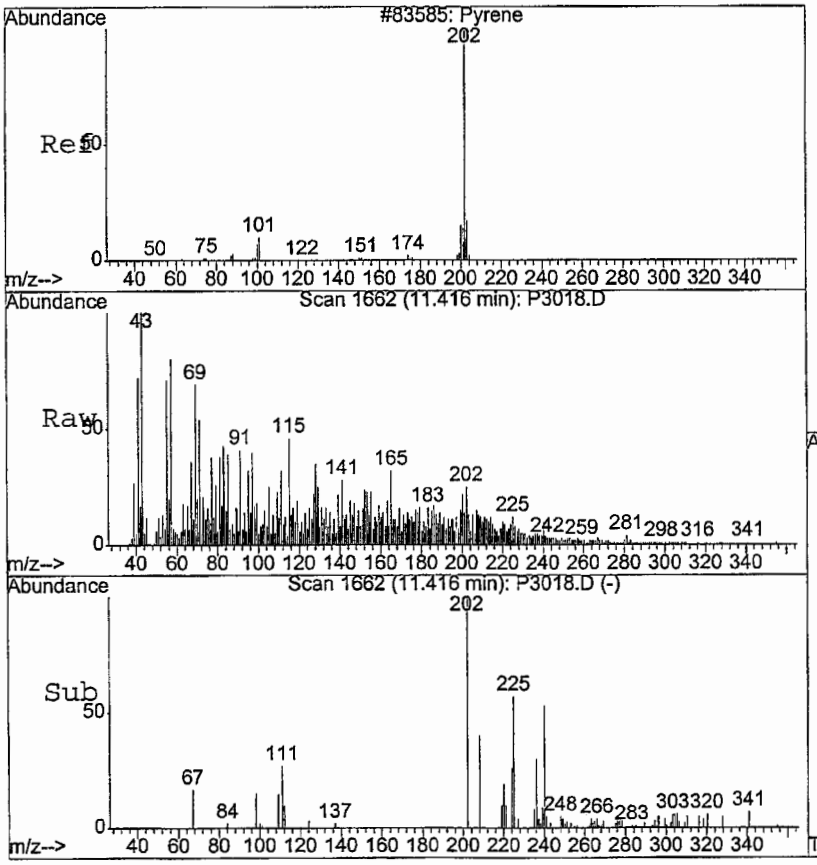


#80
Benzidine
Concen: 0.77 ng/uL
RT: 11.28 min Scan# 1637
Delta R.T. 0.00 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:184 Resp: 5050

Ion	Ratio	Lower	Upper
184	100		
92	0.0	3.2	7.4#
185	174.0	8.3	19.3#

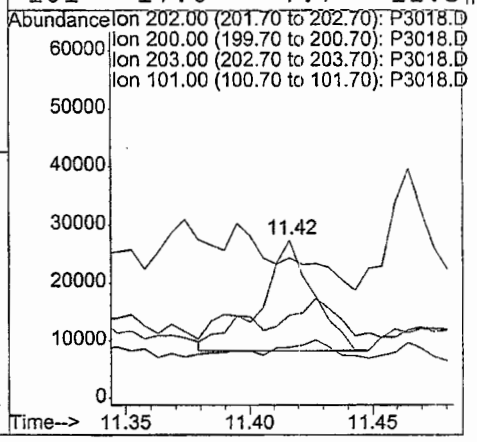




#81
Pyrene
Concen: 1.77 ng/uL
RT: 11.42 min Scan# 1662
Delta R.T. 0.02 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:202 Resp: 28352

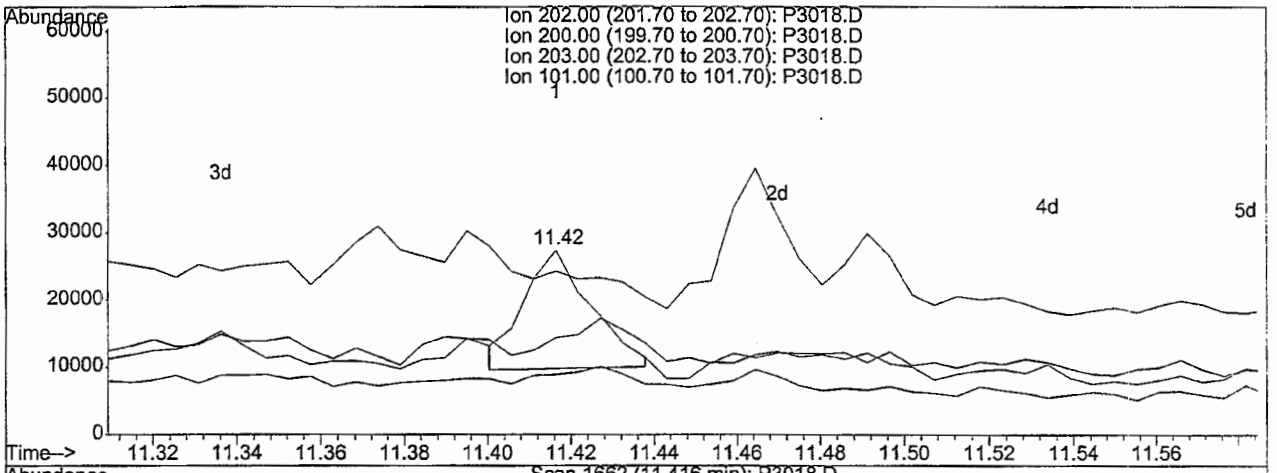
Ion	Ratio	Lower	Upper
202	100		
200	0.0	15.2	25.4#
203	85.2	13.5	22.5#
101	17.0	7.7	11.5#

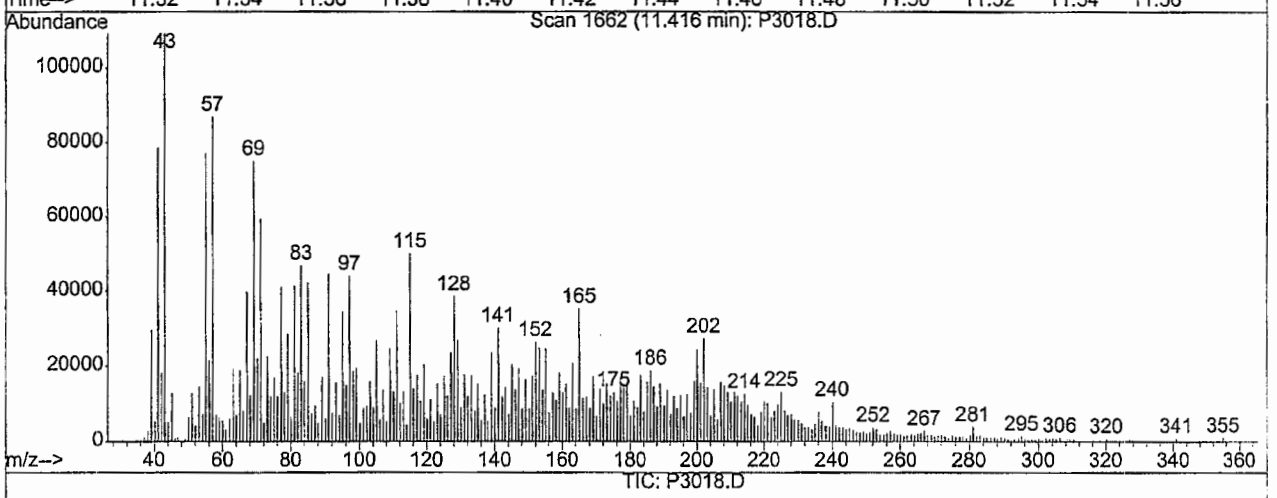


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\071805\P3018.D Vial: 4
Acq On : 18 Jul 2005 11:31 am Operator: JK SOP50
Sample : 0506217-10 5X Inst : HPSV-2
Misc : SOIL EX050628-8 2ML Vf Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 12:33 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 19 12:01:06 2005
Response via : Multiple Level Calibration





TIC: P3018.D

(81) Pyrene (TM)

11.42min 1.23ng/uL m

response 19705

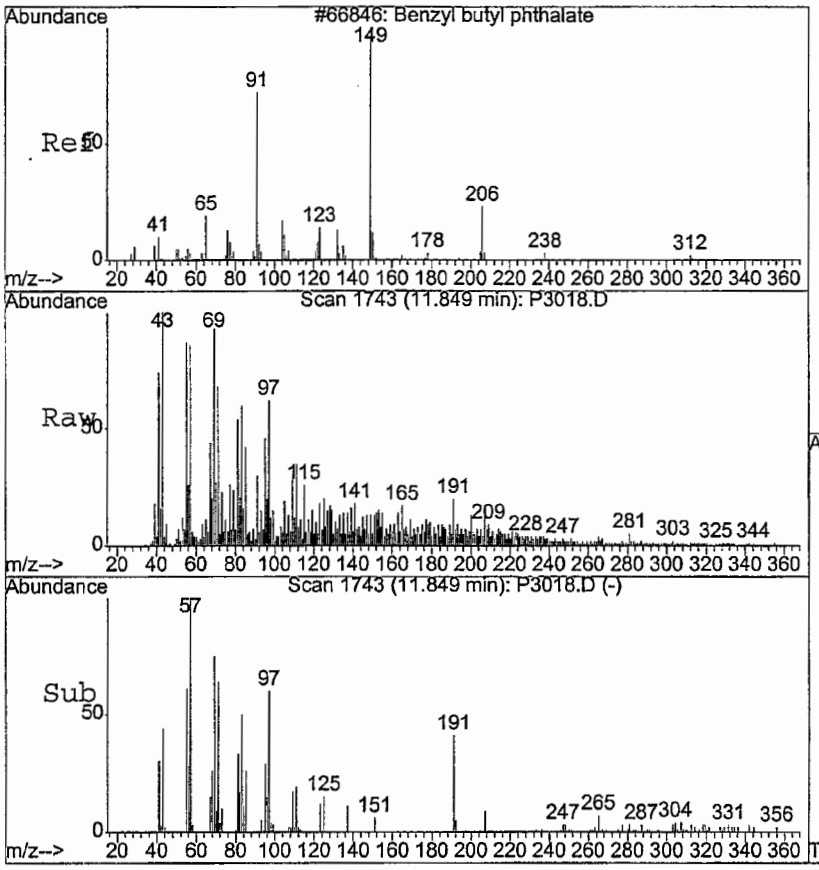
Ion	Exp%	Act%
202.00	100	100
200.00	20.30	0.00#
203.00	18.00	122.53#
101.00	9.60	24.46#

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JL *date* 7-15-05

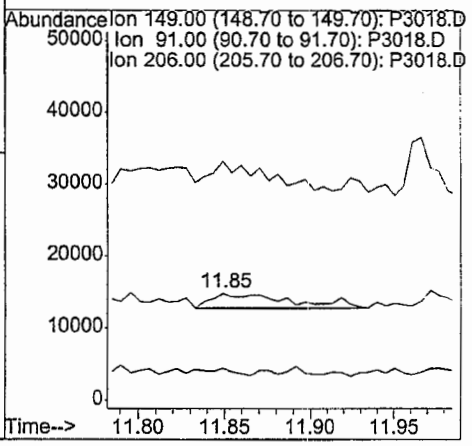
P3018.D 071205S2.M Tue Jul 19 12:33:53 2005

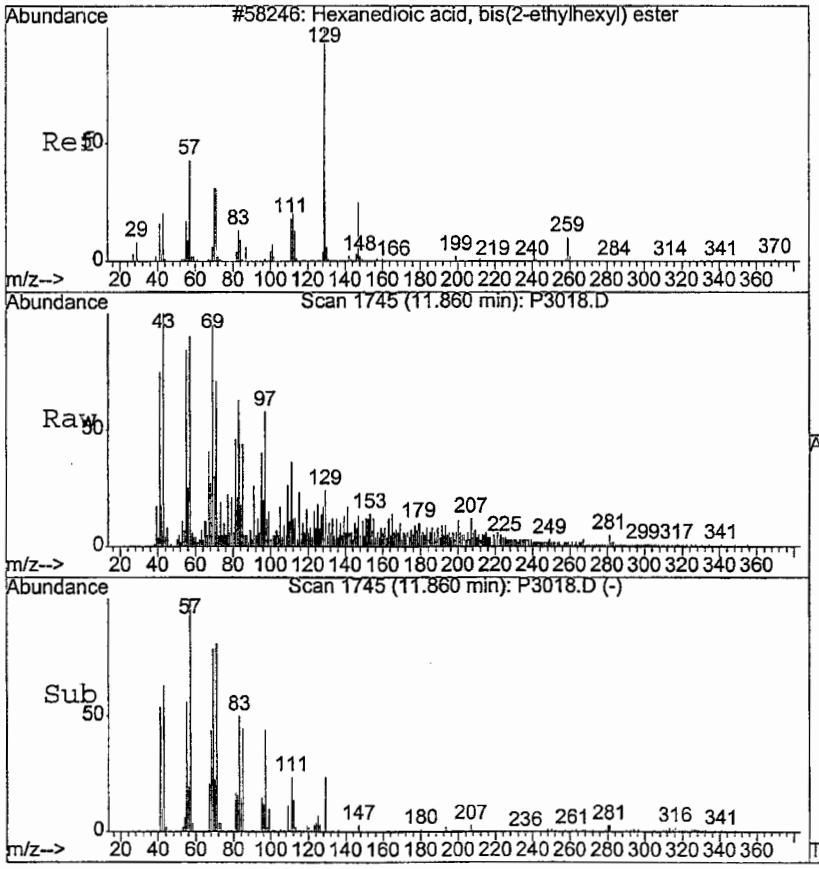


#83
Butylbenzylphthalate
Concen: 0.99 ng/uL
RT: 11.85 min Scan# 1743
Delta R.T. 0.00 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:149 Resp: 6559

Ion	Ratio	Lower	Upper
149	100		
91	0.0	61.3	102.1#
206	28.7	17.3	28.8

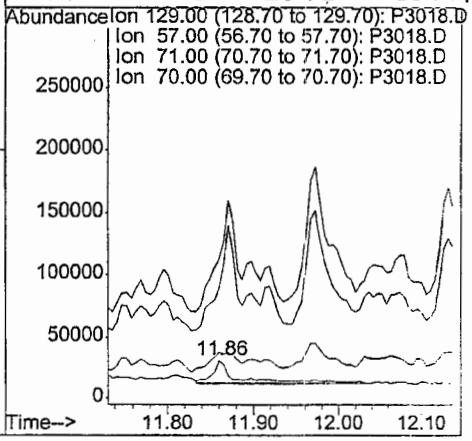


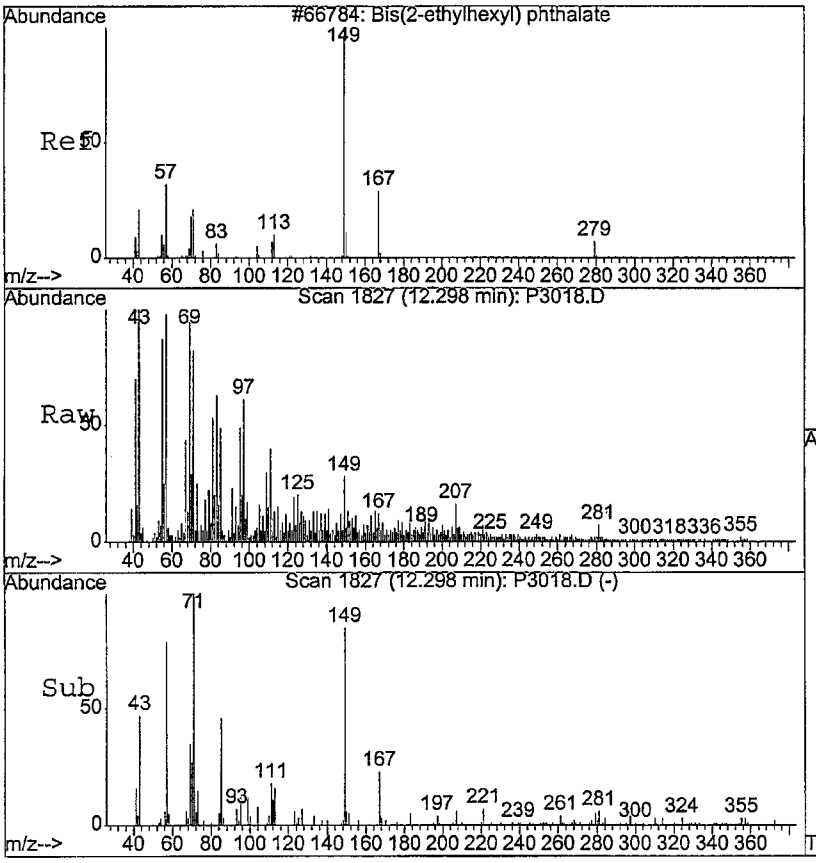


#84
Bis(2-ethylhexyl) adipate
Concen: 7.10 ng/uL
RT: 11.86 min Scan# 1745
Delta R.T. 0.00 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:129 Resp: 39880

Ion	Ratio	Lower	Upper
129	100		
57	537.9	36.4	60.6#
71	370.6	24.4	40.8#
70	149.8	29.1	43.7#

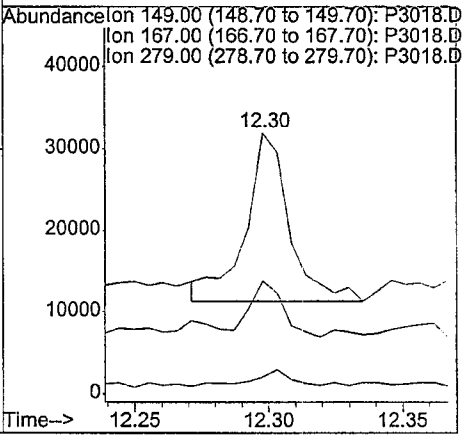




#88
Bis(2-ethylhexyl)phthalate
Concen: ~~2.54~~ ng/uL
RT: 12.30 min Scan# 1827
Delta R.T. 0.01 min
Lab File: P3018.D
Acq: 18 Jul 2005 11:31 am

Tgt Ion:149 Resp: 23532

Ion	Ratio	Lower	Upper
149	100		
167	32.0	25.0	41.6
279	9.3	5.5	9.3#

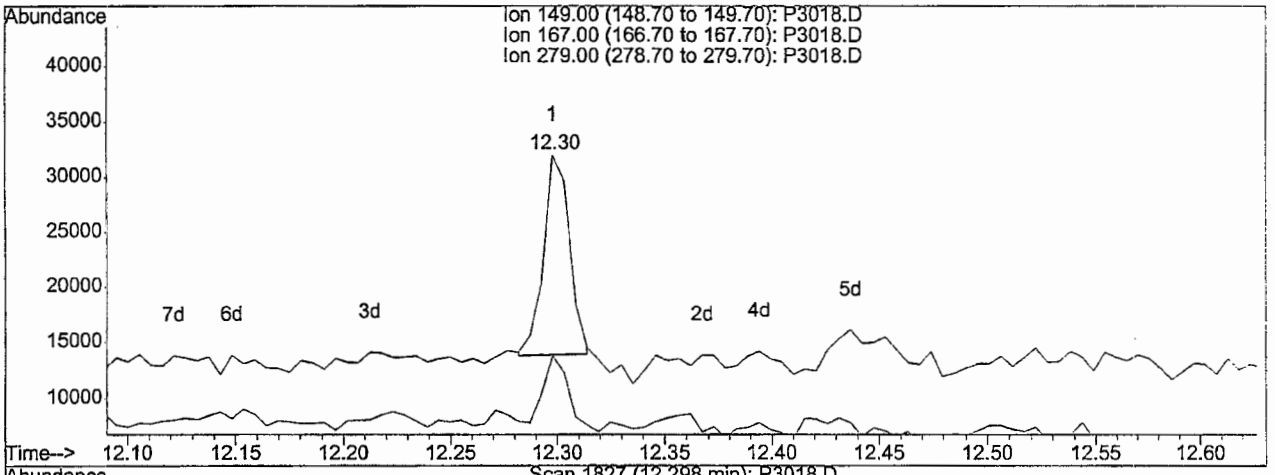


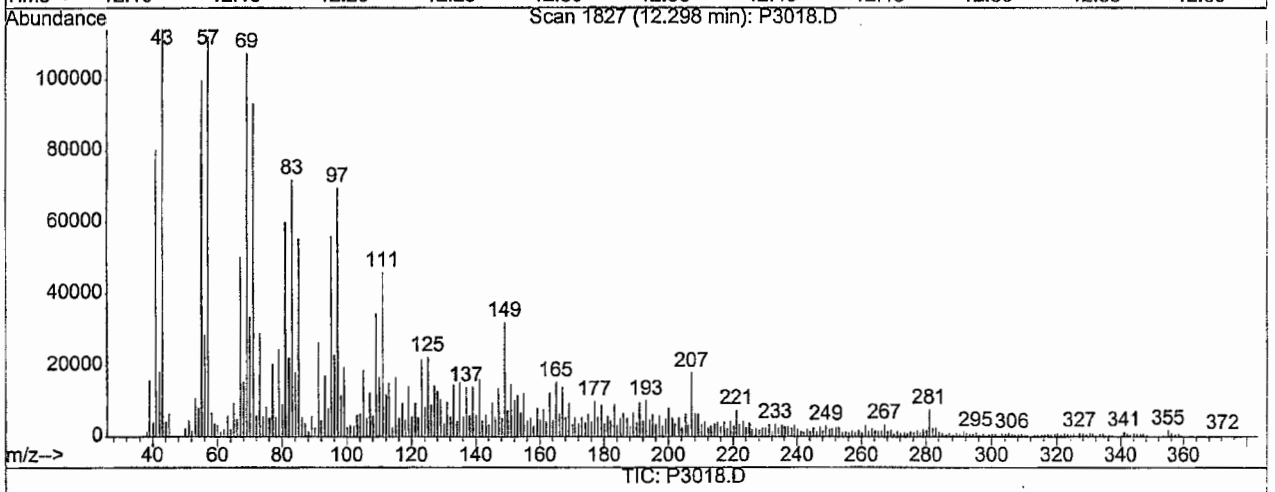
before

Quantitation Report (QedIt)

Data File : C:\HPCHEM\1\DATA\071805\P3018.D Vial: 4
Acq On : 18 Jul 2005 11:31 am Operator: JK SOP50
Sample : 0506217-10 5X Inst : HPSV-2
Misc : SOIL EX050628-8 2ML Vf Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 19 12:34 2005 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\071205S2.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Tue Jul 19 12:01:06 2005
Response via : Multiple Level Calibration





TIC: P3018.D

(88) Bis(2-ethylhexyl)phthalate (T)

12.30min 1.64ng/uL m

response 15181

Ion	Exp%	Act%
149.00	100	100
167.00	33.30	49.65#
279.00	7.40	14.48#
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-19-05

P3018.D 071205S2.M Tue Jul 19 12:34:20 2005

Raw Data Quality Control Samples

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6065.D
Acq On : 1 Jul 2005 12:14 pm
Sample : EX050628-8LCS
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:38 2005

Vial: 4
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.27	152	425993	40.00	ng/uL	0.00
23) Naphthalene-d8	7.52	136	2294547	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.08	164	767416	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.36	188	1153658	40.00	ng/uL	0.00
79) Chrysene-d12	12.76	240	1268269	40.00	ng/uL	0.00
90) Perylene-d12	14.25	264	534338	40.00	ng/uL	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	4.75	112	718172	53.09	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 70.79%			
5) 2-Chlorophenol-d4	6.04	132	930006	59.29	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 79.05%			
7) Phenol-d5	5.87	99	837516	56.92	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 75.89%			
14) 1,2-Dichlorobenzene-d4	6.43	152	365591	36.11	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 72.22%			
24) Nitrobenzene-d5	6.84	82	568626	27.08	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 54.16%			
45) 2-Fluorobiphenyl	8.46	172	1234163	43.09	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 86.18%			
67) 2,4,6-Tribromophenol	9.76	330	198177	62.06	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 82.75%			
82) p-Terphenyl-d14	11.72	244	1291059	37.90	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 75.80%			

Target Compounds						Qvalue
2) Pyridine	2.75	79	973387m	77.03	ng/uL	
3) n-Nitrosodimethylamine	2.69	74	548003m	89.53	ng/uL	
6) Aniline	5.94	93	1223073	74.04	ng/uL	99
8) Phenol	5.88	94	1178521m	85.92	ng/uL	
9) Tetramethylurea	6.02	72	1789139	89.96	ng/uL	99
10) Bis(2-chloroethyl)ether	5.99	93	908858	83.59	ng/uL	99
11) 2-Chlorophenol	6.06	128	1373561	94.28	ng/uL	98
12) 1,3-Dichlorobenzene	6.22	146	1002712	64.59	ng/uL	99
13) 1,4-Dichlorobenzene	6.29	146	1060336	64.11	ng/ul	100
15) 1,2-Dichlorobenzene	6.45	146	1055491	67.73	ng/uL	99
16) Benzyl Alcohol	6.41	108	716247	85.46	ng/uL	98
17) Bis(2-chloroisopropyl)ethe	6.53	45	884583	90.77	ng/uL	100
18) 2-Methylphenol	6.52	107	937451	87.29	ng/uL	99
19) n-Nitroso-di-n-propylamine	6.67	70	947192	105.52	ng/uL	98
20) 3+4-Methylphenol	6.67	108	1484323	98.04	ng/uL#	76
21) N-Methylaniline	6.67	106	2251796	97.47	ng/uL#	77

(#) = qualifier out of range (m) = manual integration
N6065.D 061705S1.M Fri Jul 01 12:39:46 2005

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6065.D
Acq On : 1 Jul 2005 12:14 pm
Sample : EX050628-8LCS
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:38 2005

Vial: 4
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22) Hexachloroethane	6.79	117	341053	58.45 ng/uL	99
25) N,N-Dimethylaniline	6.85	120	1867132	52.20 ng/uL	96
26) Nitrobenzene	6.86	77	1528853	56.03 ng/uL	99
27) Isophorone	7.08	82	2022443	63.25 ng/uL	99
28) N-Ethylaniline	7.10	106	2285440	56.56 ng/uL	99
29) 2-Nitrophenol	7.16	139	647473	60.29 ng/uL	97
30) 2,4-Dimethylphenol	7.17	107	1031922	51.29 ng/uL	99
31) Bis(2-chloroethoxy)methane	7.25	93	1134813	56.84 ng/uL	99
32) 2,4-Dichlorophenol	7.38	162	1002290	59.34 ng/uL	100
33) Benzoic acid	7.30	105	172431	24.93 ng/uL	97
34) 1,2,4-Trichlorobenzene	7.45	180	878851	46.91 ng/uL	99
35) Naphthalene	7.54	128	3446757	55.85 ng/uL	100
36) 4-Chloroaniline	7.58	127	1455182	59.87 ng/uL	100
37) Hexachlorobutadiene	7.63	225	521825	48.71 ng/uL	99
38) 4-Chloro-3-methylphenol	7.98	107	981582	62.76 ng/uL	99
39) 2-Methylnaphthalene	8.15	142	2263510	55.90 ng/uL	99
41) 1-Methylnaphthalene	8.25	142	2158470	87.21 ng/uL	99
42) Hexachlorocyclopentadiene	8.28	237	58471	22.73 ng/uL	99
43) 2,4,6-Trichlorophenol	8.40	196	723298	111.24 ng/uL	98
44) 2,4,5-Trichlorophenol	8.43	196	779374	106.00 ng/uL	99
46) 2-Chloronaphthalene	8.59	162	2225966	96.06 ng/uL	100
47) 2-Nitroaniline	8.67	65	483793	97.06 ng/uL	99
48) 1,4-Dinitrobenzene	8.79	168	355017	98.29 ng/uL	97
49) Dimethylphthalate	8.81	163	2435054	100.17 ng/uL	100
50) 1,3-Dinitrobenzene	8.86	168	398049	101.73 ng/uL	99
51) 2,6-Dinitrotoluene	8.88	165	590800	103.90 ng/uL	99
52) 1,2-Dinitrobenzene	8.94	168	239735	93.71 ng/uL	93
53) Acenaphthylene	8.96	152	3564377	99.19 ng/uL	100
54) 3-Nitroaniline	9.03	138	559551	98.78 ng/uL	99
55) Acenaphthene	9.11	154	2397325	102.12 ng/uL	99
56) 2,4-Dinitrophenol	9.12	184	264229	82.54 ng/uL	89
57) 4-Nitrophenol	9.15	109	252328	96.65 ng/uL	93
58) Dibenzofuran	9.26	168	2964647	97.41 ng/uL	98
59) 2,4-Dinitrotoluene	9.23	165	680284	98.08 ng/uL	98
60) 2,3,5,6-Tetrachlorophenol	9.31	232	423872	89.62 ng/uL	99
61) 2,3,4,6-Tetrachlorophenol	9.35	232	463943	82.12 ng/uL	99
62) Diethylphthalate	9.39	149	2467017	103.68 ng/uL	100
63) Fluorene	9.55	166	2590796	102.14 ng/uL	99
64) 4-Chlorophenyl phenyl ethe	9.52	204	1126112	98.23 ng/uL	100
65) 4-Nitroaniline	9.57	138	583337	96.84 ng/uL	97
66) Azobenzene	9.66	77	1922163	97.35 ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6065.D
Acq On : 1 Jul 2005 12:14 pm
Sample : EX050628-8LCS
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:38 2005

Vial: 4
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.58	198	423613	108.79 ng/uL	96
70)	n-Nitrosodiphenylamine	9.63	169	1432225	68.55 ng/uL	100
71)	4-Bromophenyl phenyl ether	9.95	248	583565	85.87 ng/uL	98
72)	Hexachlorobenzene	10.02	284	787229	105.89 ng/uL	100
73)	Pentachlorophenol	10.19	266	287231	94.68 ng/uL	94
74)	Phenanthrene	10.39	178	3524116	105.71 ng/uL	99
75)	Anthracene	10.43	178	3536674	103.06 ng/uL	99
76)	Carbazole	10.56	167	3089732	100.75 ng/uL	98
77)	Di-n-butylphthalate	10.77	149	4021567	101.04 ng/uL	99
78)	Fluoranthene	11.43	202	3865433	106.37 ng/uL	100
80)	Benzidine	11.51	184	314453	16.03 ng/uL	99
81)	Pyrene	11.64	202	3982201	91.73 ng/uL	99
83)	Butylbenzylphthalate	12.13	149	2070510	98.89 ng/uL	99
84)	Bis(2-ethylhexyl) adipate	12.14	129	1816627	98.57 ng/uL	99
85)	Benzo[a]anthracene	12.74	228	3687027	92.64 ng/uL	99
86)	3,3'-Dichlorobenzidine	12.68	252	956383	77.21 ng/uL	100
87)	Chrysene	12.78	228	3568451	98.48 ng/uL	99
88)	Bis(2-ethylhexyl)phthalate	12.62	149	2421397	95.53 ng/uL	98
89)	Di-n-octylphthalate	13.23	149	3701419	99.23 ng/uL	100
91)	Benzo[b]fluoranthene	13.81	252	2482825	106.12 ng/uL	99
92)	Benzo[k]fluoranthene	13.84	252	2569067	110.79 ng/uL	100
93)	Benzo[a]pyrene	14.19	252	1862113	95.80 ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.71	276	1278063	89.90 ng/uL	100
95)	Dibenzo[a,h]anthracene	15.71	278	1152466	94.84 ng/uL	99
96)	Benzo[g,h,i]perylene	16.15	276	802377	81.54 ng/uL	99

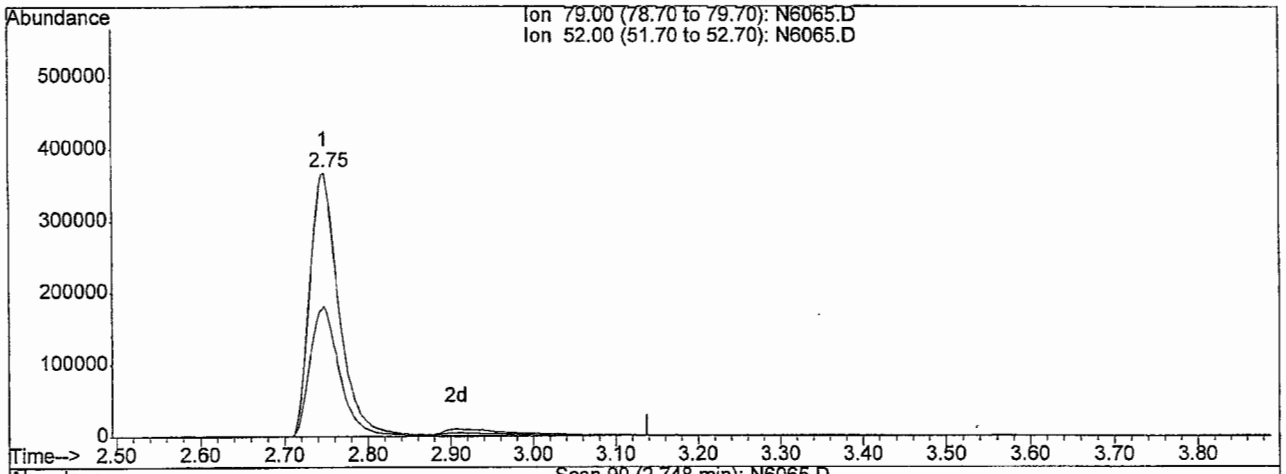
(#) = qualifier out of range (m) = manual integration

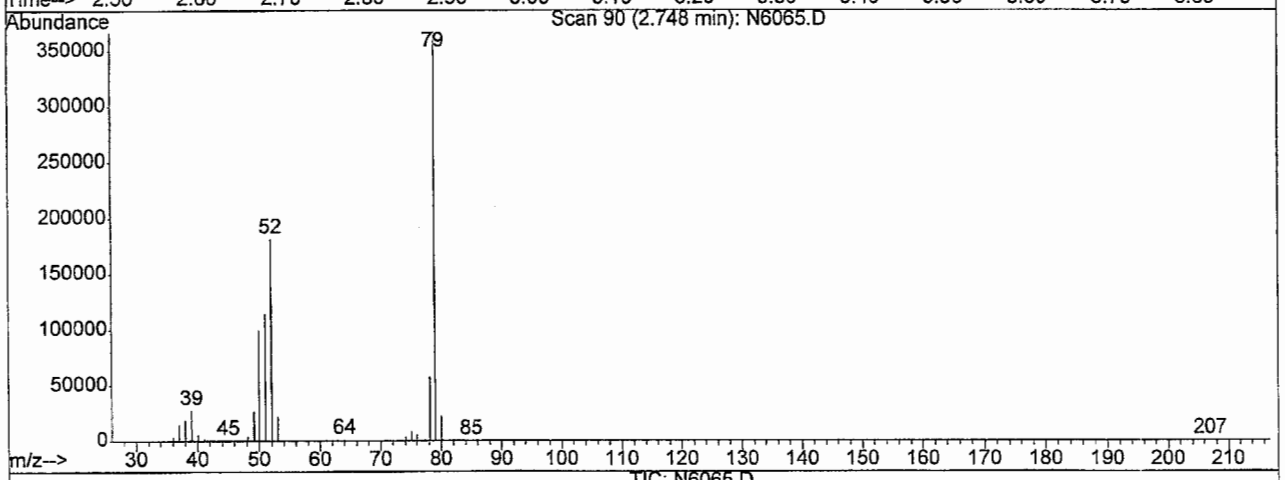
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6065.D
Acq On : 1 Jul 2005 12:14 pm
Sample : EX050628-8LCS
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:37 2005

Vial: 4
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





TIC: N6065.D

(2) Pyridine (T)

2.75min 70.65ng/uL

response 892793

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	50.24
0.00	0.00	0.00
0.00	0.00	0.00

Before

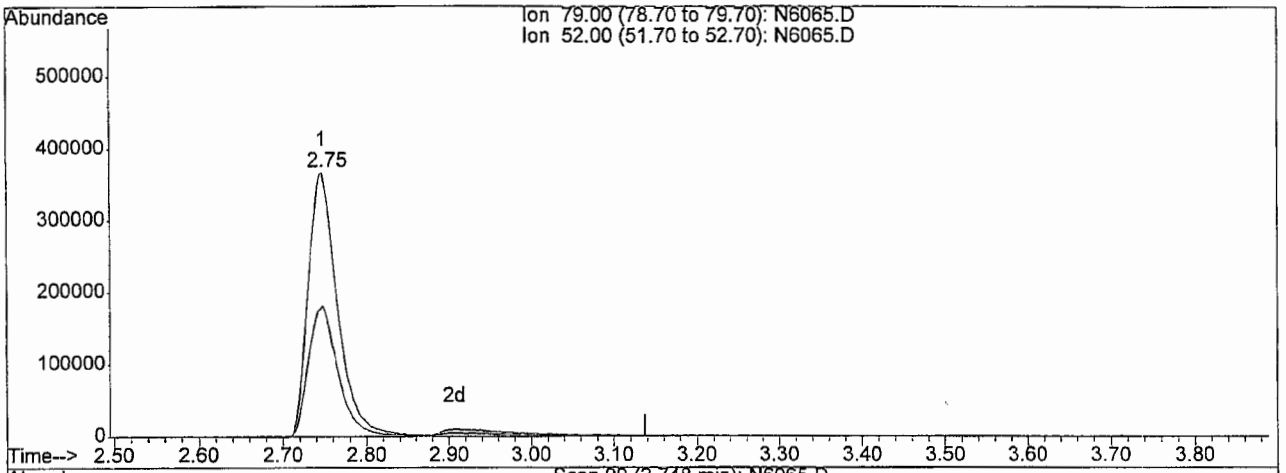
N6065.D 061705S1.M Fri Jul 01 12:37:43 2005

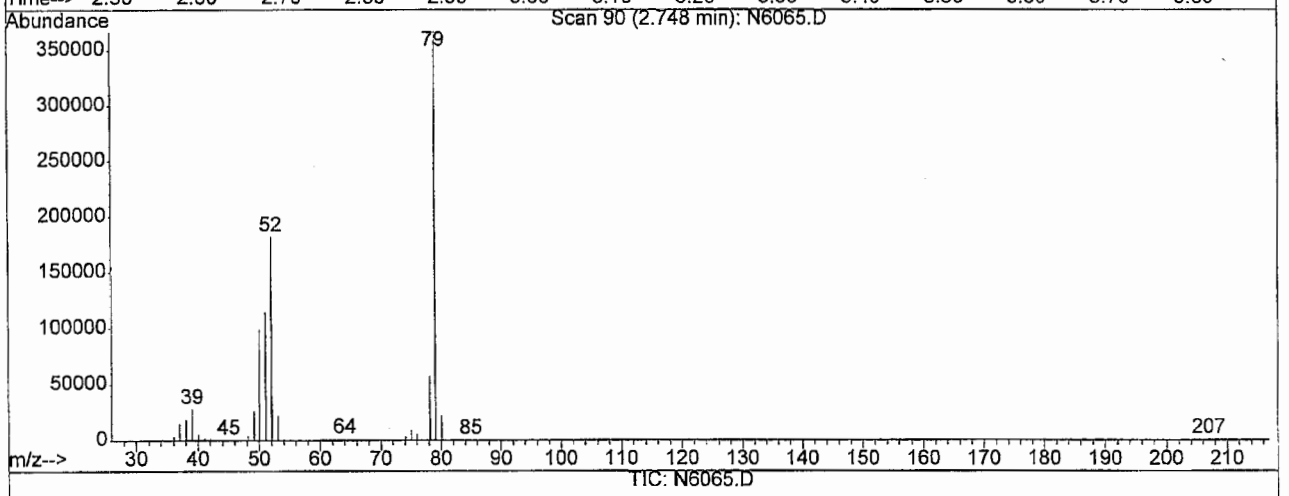
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6065.D
Acq On : 1 Jul 2005 12:14 pm
Sample : EX050628-8LCS
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:37 2005

Vial: 4
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





TIC: N6065.D

(2) Pyridine (T)

2.75min 77.03ng/uL m

response 973387

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	46.08
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JL *date* 7-30-05

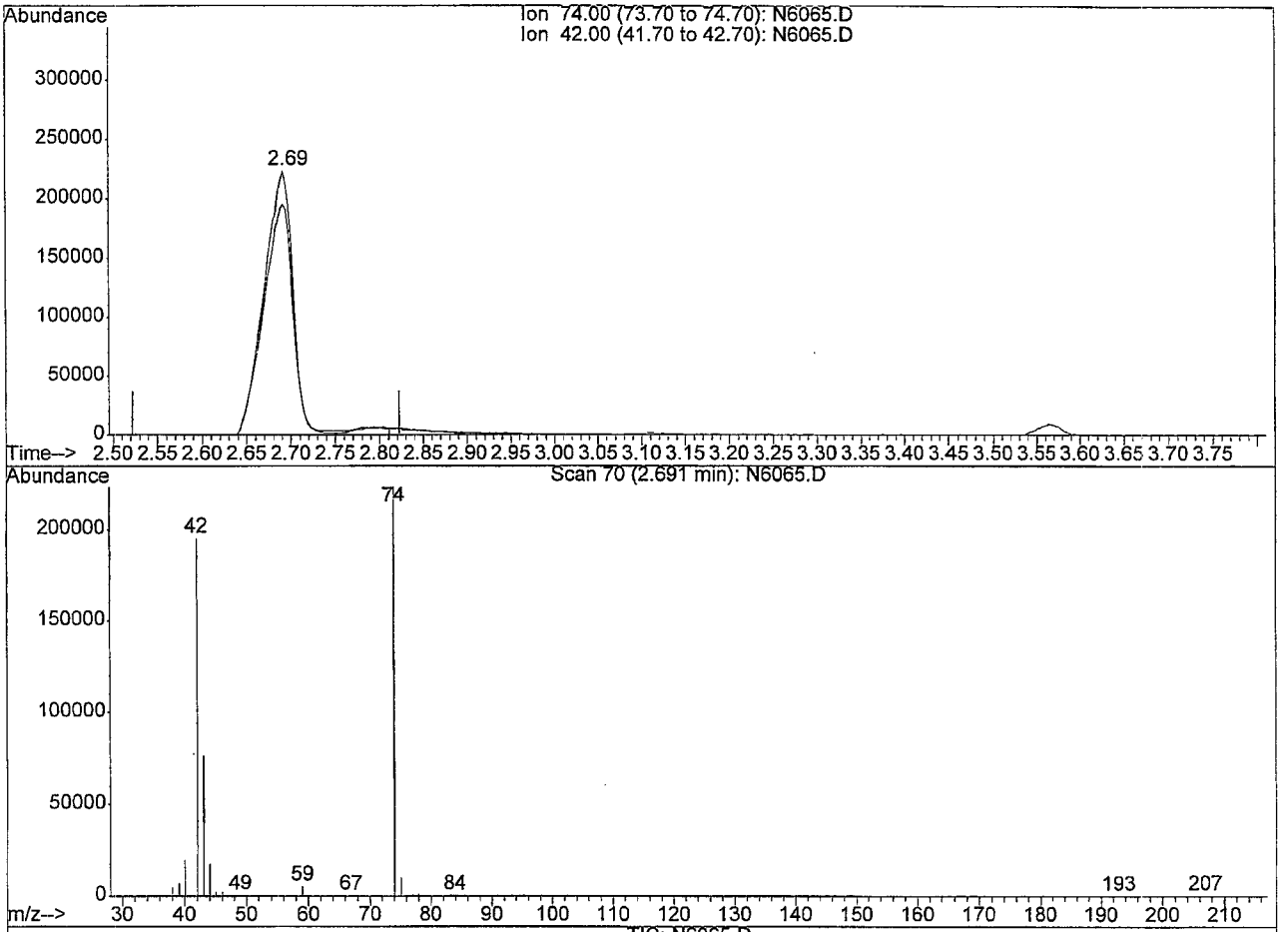
N6065.D 061705S1.M Fri Jul 01 12:37:50 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6065.D
Acq On : 1 Jul 2005 12:14 pm
Sample : EX050628-8LCS
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:37 2005

Vial: 4
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration



TIC: N6065.D

(3) n-Nitrosodimethylamine (T)

2.69min 85.20ng/uL

response 521503

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	86.42
0.00	0.00	0.00
0.00	0.00	0.00

Bc for

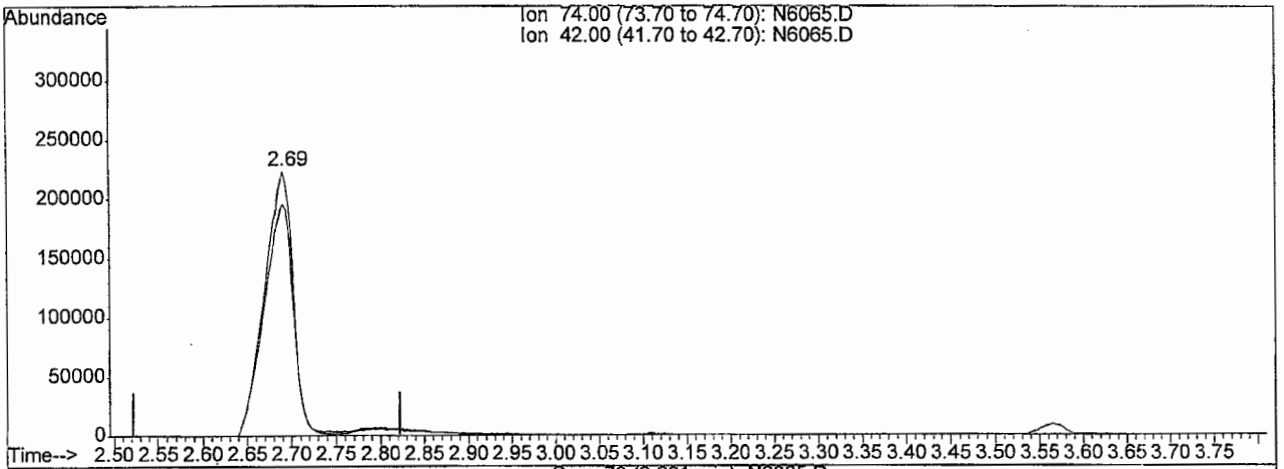
N6065.D 061705S1.M Fri Jul 01 12:37:53 2005

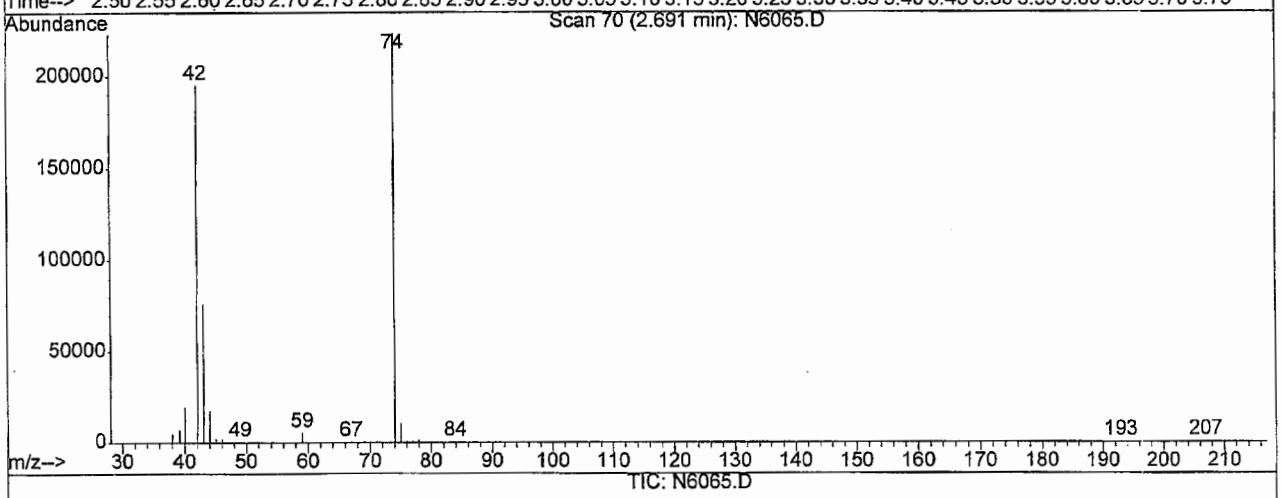
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6065.D
Acq On : 1 Jul 2005 12:14 pm
Sample : EX050628-8LCS
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:37 2005

Vial: 4
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





(3) n-Nitrosodimethylamine (T)

2.69min 89.53ng/uL m

response 548003

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	82.24
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JH *date* 7-3-05

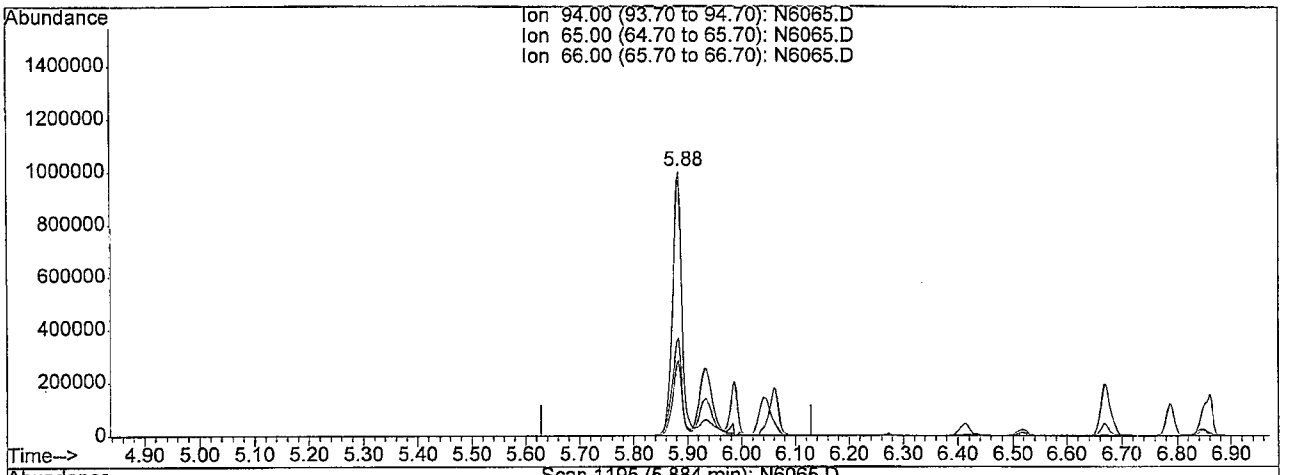
N6065.D 061705S1.M Fri Jul 01 12:37:57 2005

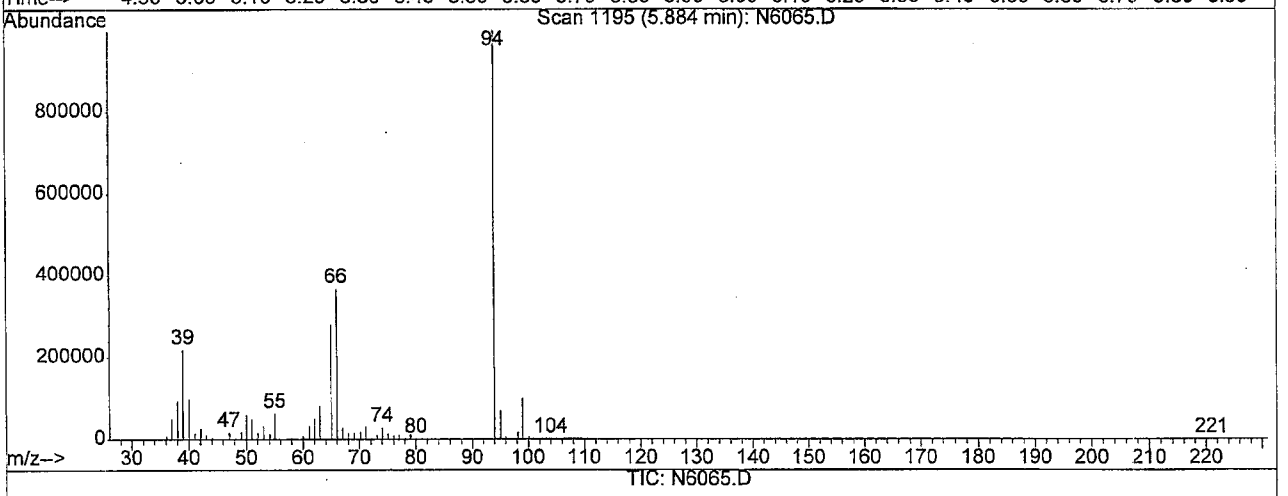
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6065.D
Acq On : 1 Jul 2005 12:14 pm
Sample : EX050628-8LCS
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:37 2005

Vial: 4
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





TIC: N6065.D

(8) Phenol (TMC)

5.88min 95.76ng/uL

response 1313552

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	25.97
66.00	40.90	36.07
0.00	0.00	0.00

Bafon

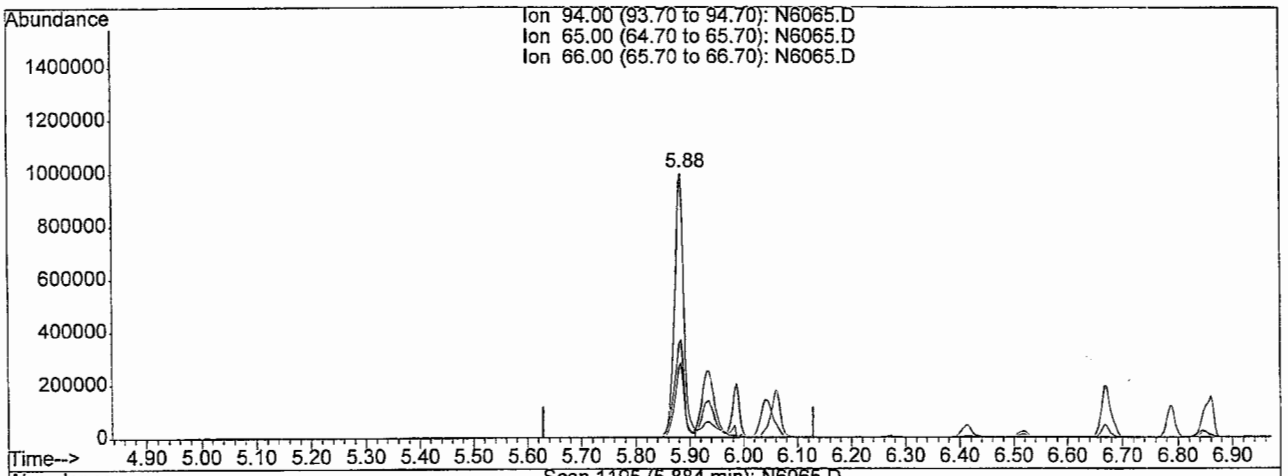
N6065.D 061705S1.M Fri Jul 01 12:38:04 2005

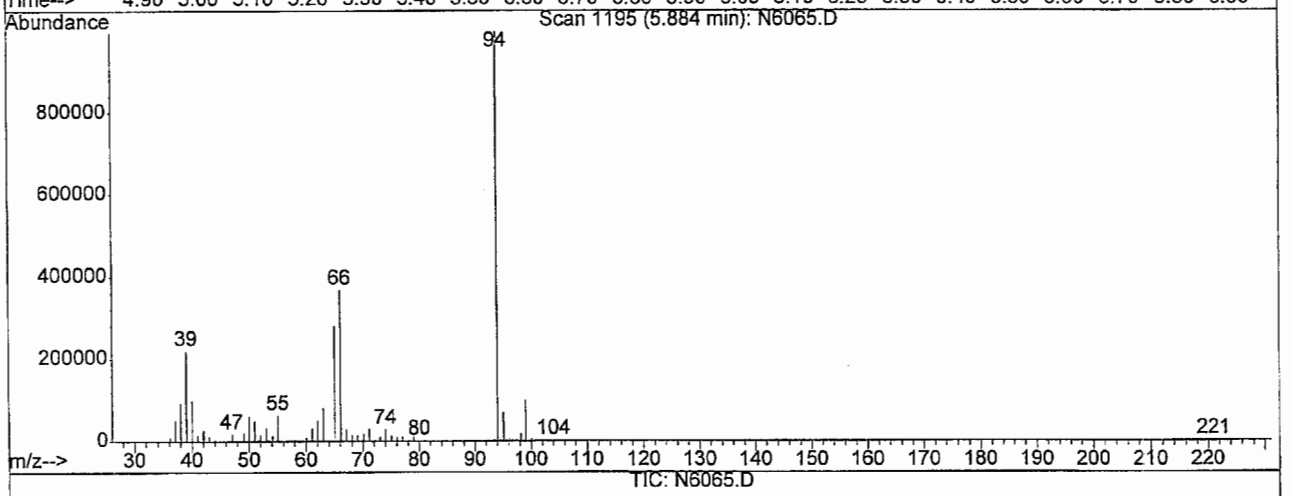
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6065.D
Acq On : 1 Jul 2005 12:14 pm
Sample : EX050628-8LCS
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:38 2005

Vial: 4
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





TIC: N6065.D

(8) Phenol (TMC)

5.88min 85.92ng/uL m

response 1178521

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	28.95
66.00	40.90	40.21
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JC *date* 7-3-05

N6065.D 061705S1.M Fri Jul 01 12:38:09 2005

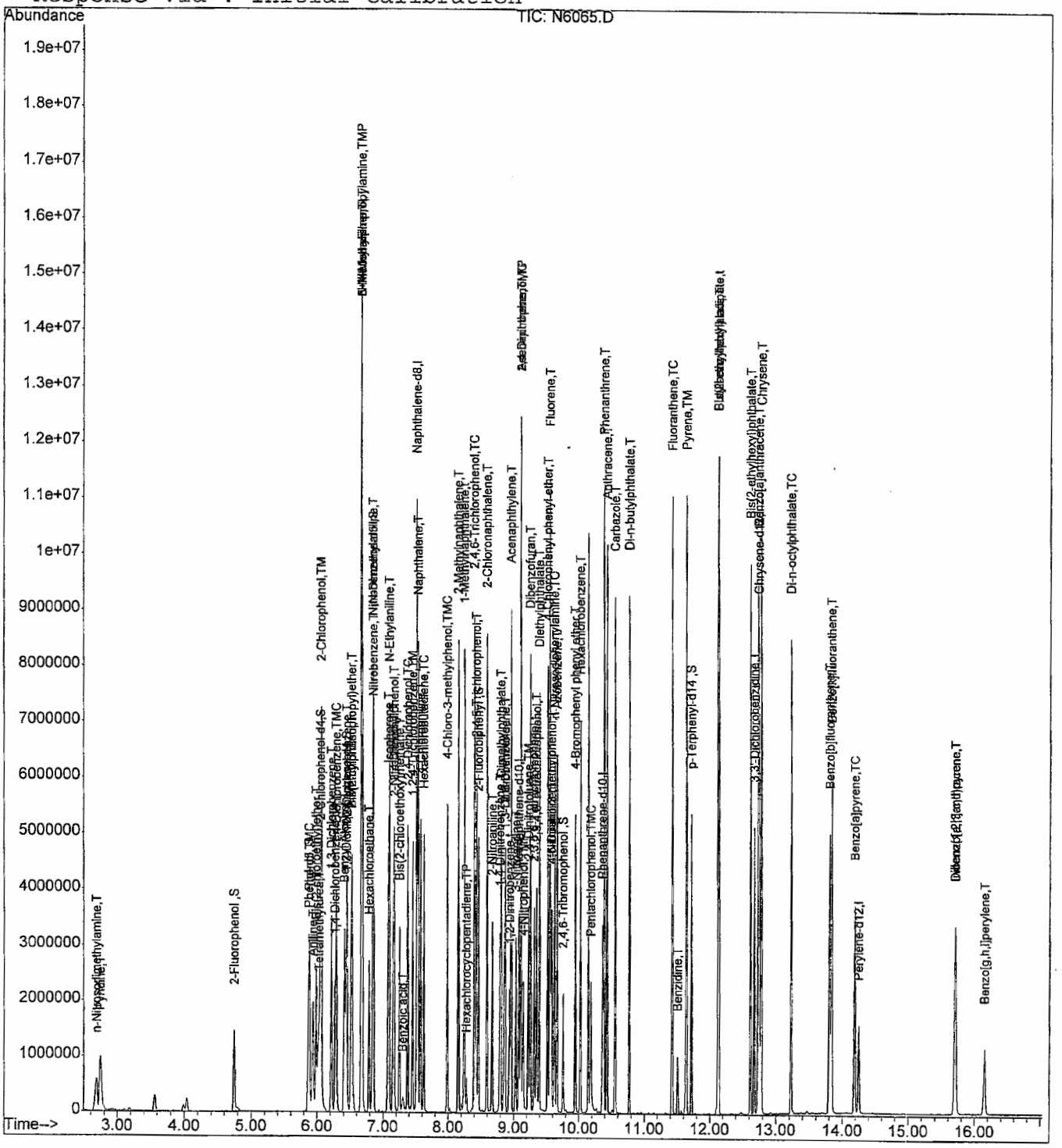
Quantitation Report

Data File : D:\HPCHEM\1\DATA\070105\N6065.D
Acq On : 1 Jul 2005 12:14 pm
Sample : EX050628-8LCS
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 12:38 2005

Vial: 4
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6066.D
Acq On : 1 Jul 2005 12:38 pm
Sample : EX050628-8LCSD
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 13:18 2005

Vial: 5
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.27	152	431661	40.00	ng/uL	0.00
23) Naphthalene-d8	7.52	136	2313535	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.08	164	756013	40.00	ng/uL	0.00
68) Phenanthrene-d10	10.36	188	1116730	40.00	ng/uL	0.00
79) Chrysene-d12	12.77	240	1189437	40.00	ng/uL	0.01
90) Perylene-d12	14.27	264	478305	40.00	ng/uL	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	4.74	112	697749	50.91	ng/uL	0.00
Spiked Amount 75.000	Range 21 - 100		Recovery = 67.88%			
5) 2-Chlorophenol-d4	6.04	132	901266	56.71	ng/uL	0.00
Spiked Amount 75.000	Range 33 - 110		Recovery = 75.61%			
7) Phenol-d5	5.87	99	796031	53.39	ng/uL	0.00
Spiked Amount 75.000	Range 15 - 104		Recovery = 71.19%			
14) 1,2-Dichlorobenzene-d4	6.43	152	350574	34.17	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 68.34%			
24) Nitrobenzene-d5	6.84	82	544529	25.72	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 51.44%			
45) 2-Fluorobiphenyl	8.46	172	1207342	42.79	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 85.58%			
67) 2,4,6-Tribromophenol	9.76	330	185554	58.98	ng/uL	0.00
Spiked Amount 75.000	Range 23 - 100		Recovery = 78.64%			
82) p-Terphenyl-d14	11.73	244	1232884	38.59	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 77.18%			

Target Compounds						Qvalue
2) Pyridine	2.74	79	944223m	73.74	ng/uL	
3) n-Nitrosodimethylamine	2.69	74	534707m	86.21	ng/uL	
6) Aniline	5.93	93	1154518	68.97	ng/uL	99
8) Phenol	5.88	94	1146470m	82.48	ng/uL	
9) Tetramethylurea	6.02	72	1771143	87.88	ng/uL	99
10) Bis(2-chloroethyl)ether	5.98	93	902354	81.90	ng/uL	98
11) 2-Chlorophenol	6.06	128	1338307	90.66	ng/uL	98
12) 1,3-Dichlorobenzene	6.21	146	1000250	63.58	ng/uL	100
13) 1,4-Dichlorobenzene	6.29	146	1061227	63.32	ng/ul	100
15) 1,2-Dichlorobenzene	6.45	146	1047988	66.37	ng/uL	99
16) Benzyl Alcohol	6.41	108	686502	80.83	ng/uL	99
17) Bis(2-chloroisopropyl)ethe	6.53	45	857623	86.85	ng/uL	100
18) 2-Methylphenol	6.52	107	913621	83.96	ng/uL	99
19) n-Nitroso-di-n-propylamine	6.67	70	949510	104.39	ng/uL	98
20) 3+4-Methylphenol	6.67	108	1460404	95.19	ng/uL#	76
21) N-Methylaniline	6.67	106	2220700	94.86	ng/uL#	77

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

350 7-7-05

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6066.D
Acq On : 1 Jul 2005 12:38 pm
Sample : EX050628-8LCSD
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 13:18 2005

Vial: 5
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
22)	Hexachloroethane	6.79	117	340382	57.56 ng/uL	99
25)	N,N-Dimethylaniline	6.85	120	1813174	50.28 ng/uL	96
26)	Nitrobenzene	6.86	77	1471489	53.49 ng/uL	98
27)	Isophorone	7.08	82	2001070	62.07 ng/uL	100
28)	N-Ethylaniline	7.09	106	2244323	55.09 ng/uL	99
29)	2-Nitrophenol	7.16	139	623917	57.62 ng/uL	97
30)	2,4-Dimethylphenol	7.17	107	970448	47.84 ng/uL	100
31)	Bis(2-chloroethoxy)methane	7.26	93	1103423	54.81 ng/uL	99
32)	2,4-Dichlorophenol	7.38	162	982521	57.69 ng/uL	100
33)	Benzoic acid	7.30	105	190620	27.33 ng/uL	98
34)	1,2,4-Trichlorobenzene	7.45	180	857239	45.38 ng/uL	99
35)	Naphthalene	7.54	128	3398822	54.62 ng/uL	100
36)	4-Chloroaniline	7.58	127	1433819	58.51 ng/uL	100
37)	Hexachlorobutadiene	7.63	225	518007	47.96 ng/uL	99
38)	4-Chloro-3-methylphenol	7.99	107	973571	61.73 ng/uL	99
39)	2-Methylnaphthalene	8.16	142	2248651	55.08 ng/uL	99
41)	1-Methylnaphthalene	8.25	142	2167476	88.90 ng/uL	100
42)	Hexachlorocyclopentadiene	8.28	237	49556	20.58 ng/uL	99
43)	2,4,6-Trichlorophenol	8.40	196	708999	110.69 ng/uL	97
44)	2,4,5-Trichlorophenol	8.43	196	759689	104.88 ng/uL	99
46)	2-Chloronaphthalene	8.59	162	2188252	95.85 ng/uL	99
47)	2-Nitroaniline	8.68	65	473716	96.47 ng/uL	100
48)	1,4-Dinitrobenzene	8.79	168	348967	98.07 ng/uL	96
49)	Dimethylphthalate	8.81	163	2393115	99.93 ng/uL	100
50)	1,3-Dinitrobenzene	8.86	168	385829	100.10 ng/uL	98
51)	2,6-Dinitrotoluene	8.88	165	579594	103.47 ng/uL	98
52)	1,2-Dinitrobenzene	8.94	168	229589	91.09 ng/uL	90
53)	Acenaphthylene	8.96	152	3534134	99.83 ng/uL	99
54)	3-Nitroaniline	9.04	138	544003	97.48 ng/uL	100
55)	Acenaphthene	9.11	154	2404100	103.95 ng/uL	99
56)	2,4-Dinitrophenol	9.12	184	265358	83.60 ng/uL	89
57)	4-Nitrophenol	9.15	109	245365	95.40 ng/uL	92
58)	Dibenzofuran	9.26	168	2959360	98.71 ng/uL	98
59)	2,4-Dinitrotoluene	9.23	165	670044	98.06 ng/uL	97
60)	2,3,5,6-Tetrachlorophenol	9.31	232	416049	89.30 ng/uL	98
61)	2,3,4,6-Tetrachlorophenol	9.35	232	442604	79.52 ng/uL	96
62)	Diethylphthalate	9.40	149	2462886	105.07 ng/uL	100
63)	Fluorene	9.55	166	2590502	103.67 ng/uL	100
64)	4-Chlorophenyl phenyl ethe	9.52	204	1098922	97.30 ng/uL	99
65)	4-Nitroaniline	9.57	138	560072	94.38 ng/uL	96
66)	Azobenzene	9.66	77	1908945	98.14 ng/uL	99

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6066.D
Acq On : 1 Jul 2005 12:38 pm
Sample : EX050628-8LCSD
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 13:18 2005

Vial: 5
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	4,6-Dinitro-2-methylphenol	9.58	198	407132	108.02 ng/uL	97
70)	n-Nitrosodiphenylamine	9.63	169	1562239	77.25 ng/uL	100
71)	4-Bromophenyl phenyl ether	9.95	248	586897	89.21 ng/uL	98
72)	Hexachlorobenzene	10.03	284	780455	108.45 ng/uL	100
73)	Pentachlorophenol	10.19	266	282042	95.69 ng/uL	96
74)	Phenanthrene	10.39	178	3476522	107.73 ng/uL	99
75)	Anthracene	10.43	178	3472888	104.55 ng/uL	99
76)	Carbazole	10.56	167	3035517	102.26 ng/uL	99
77)	Di-n-butylphthalate	10.78	149	3953008	102.60 ng/uL	99
78)	Fluoranthene	11.43	202	3770727	107.19 ng/uL	100
80)	Benzidine	11.51	184	282362	15.35 ng/uL	98
81)	Pyrene	11.65	202	3918313	96.24 ng/uL	99
83)	Butylbenzylphthalate	12.14	149	2040486	103.92 ng/uL	100
84)	Bis(2-ethylhexyl) adipate	12.15	129	1790254	103.58 ng/uL	99
85)	Benzo[a]anthracene	12.76	228	3521252	94.34 ng/uL	100
86)	3,3'-Dichlorobenzidine	12.70	252	886127	76.28 ng/uL	99
87)	Chrysene	12.80	228	3393841	99.87 ng/uL	99
88)	Bis(2-ethylhexyl)phthalate	12.64	149	2400196	100.97 ng/uL	99
89)	Di-n-octylphthalate	13.25	149	3569021	102.03 ng/uL	100
91)	Benzo[b]fluoranthene	13.83	252	2318823	110.72 ng/uL	99
92)	Benzo[k]fluoranthene	13.86	252	2287542	110.21 ng/uL	99
93)	Benzo[a]pyrene	14.21	252	1671582	96.07 ng/uL	99
94)	Indeno(1,2,3-c,d)pyrene	15.73	276	1082522	85.07 ng/uL	100
95)	Dibenzo[a,h]anthracene	15.73	278	976221	89.75 ng/uL	99
96)	Benzo[g,h,i]perylene	16.18	276	678355	77.02 ng/uL	99

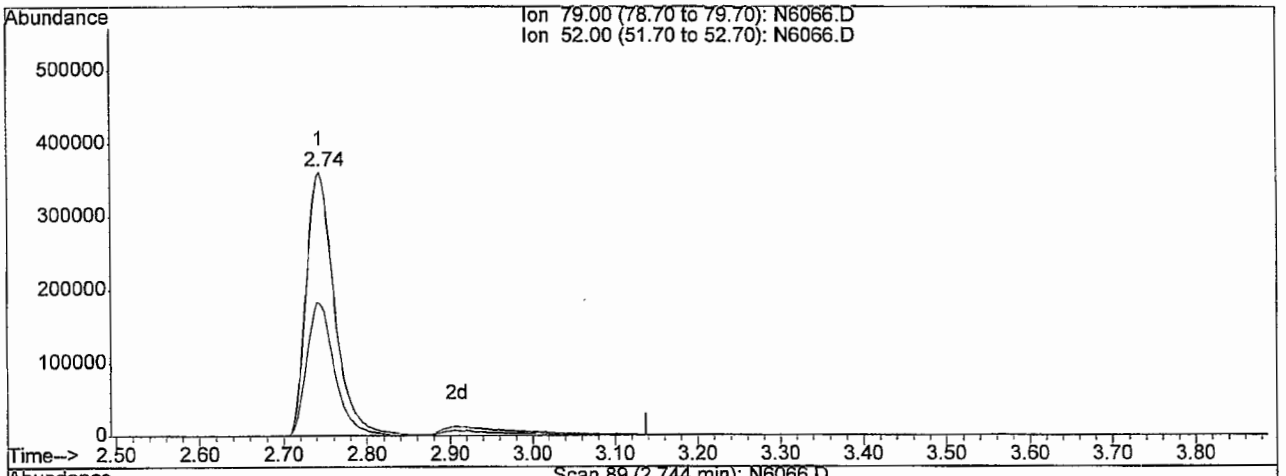
(#) = qualifier out of range (m) = manual integration

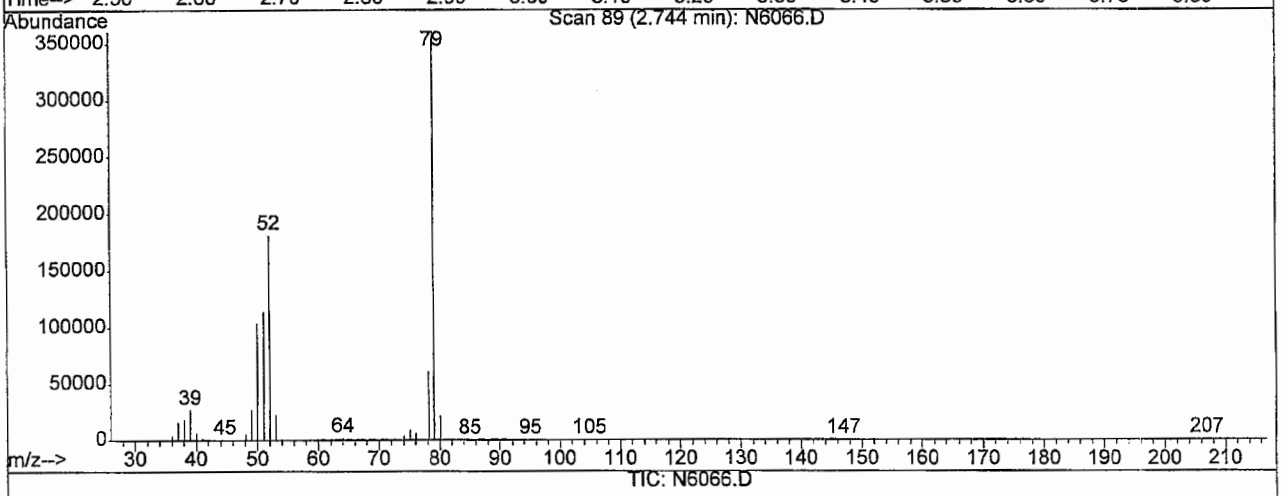
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6066.D
Acq On : 1 Jul 2005 12:38 pm
Sample : EX050628-8LCSD
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 13:17 2005

Vial: 5
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





TIC: N6066.D

(2) Pyridine (T)

2.74min 66.08ng/uL

response 846174

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	50.15
0.00	0.00	0.00
0.00	0.00	0.00

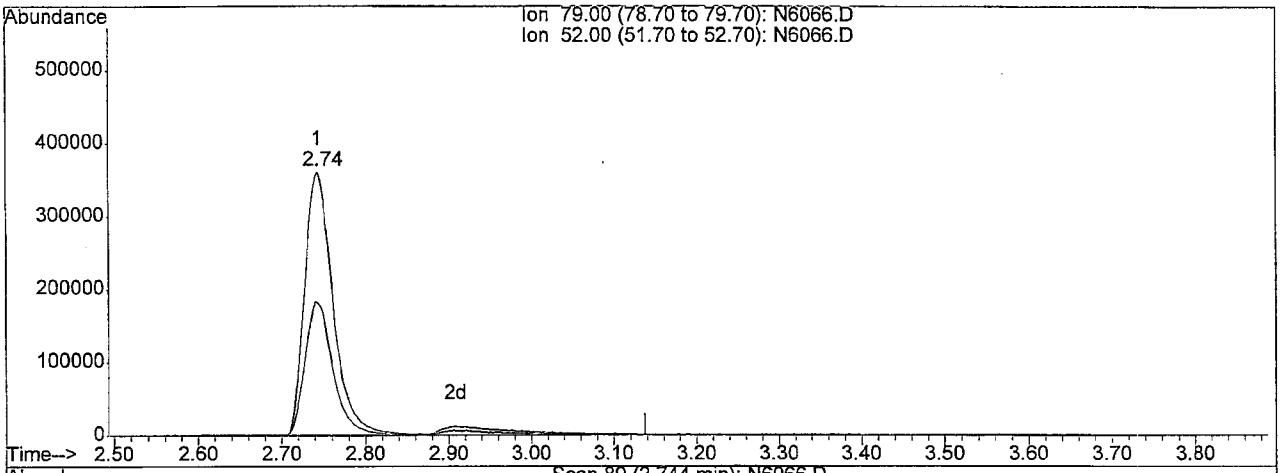
Before

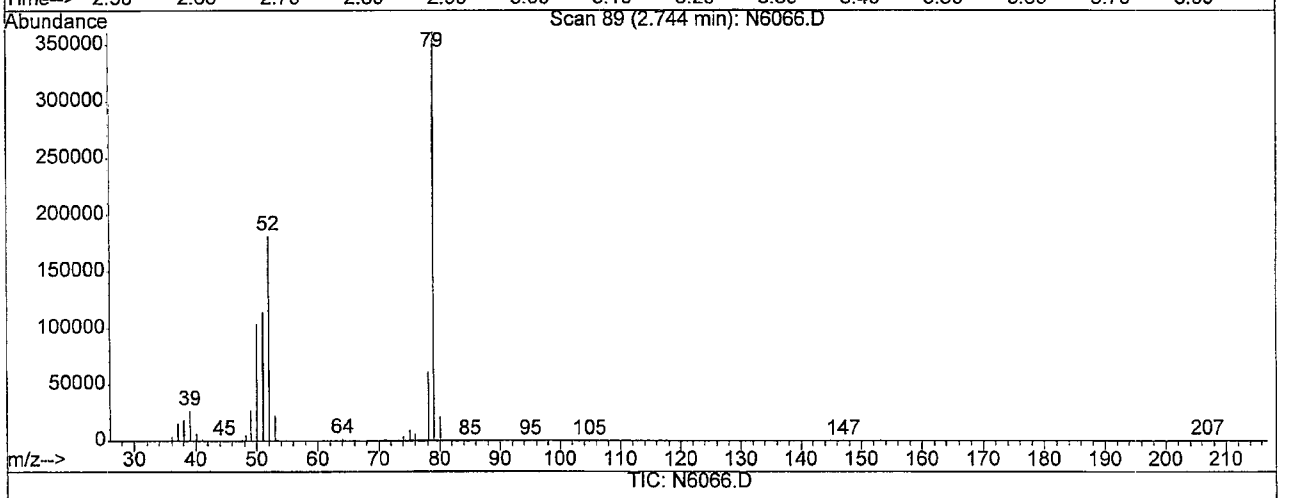
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6066.D
Acq On : 1 Jul 2005 12:38 pm
Sample : EX050628-8LCSD
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 13:17 2005

Vial: 5
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





TIC: N6066.D

(2) Pyridine (T)

2.74min 73.74ng/uL m

response 944223

Ion	Exp%	Act%
79.00	100	100
52.00	45.90	44.94
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-1-05

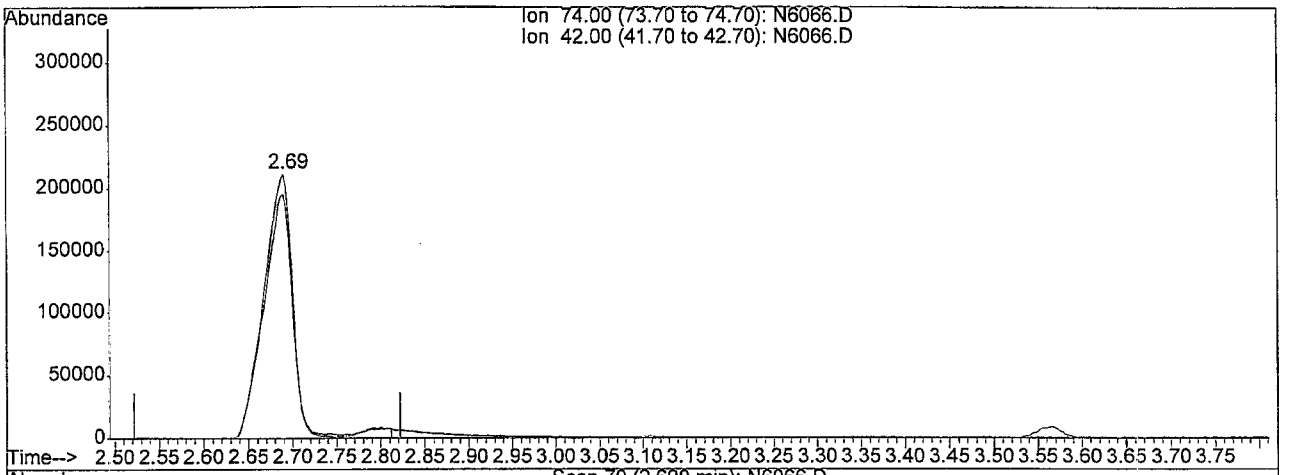
N6066.D 061705S1.M Fri Jul 01 13:17:52 2005

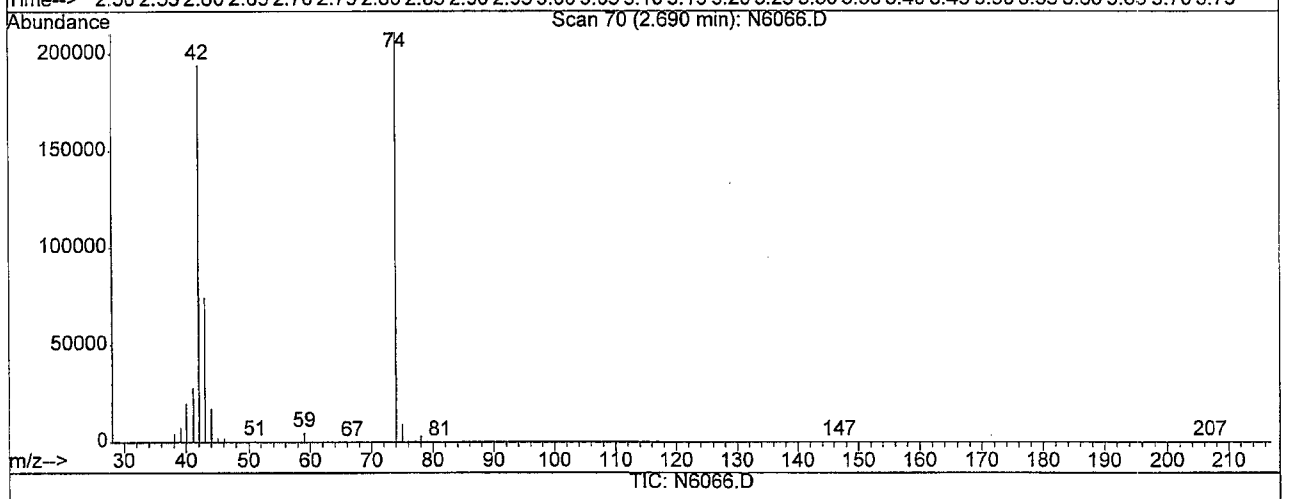
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6066.D
Acq On : 1 Jul 2005 12:38 pm
Sample : EX050628-8LCSD
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 13:17 2005

Vial: 5
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





TIC: N6066.D

(3) n-Nitrosodimethylamine (T)

2.69min 80.53ng/uL

response 499452

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	87.54
0.00	0.00	0.00
0.00	0.00	0.00

Before

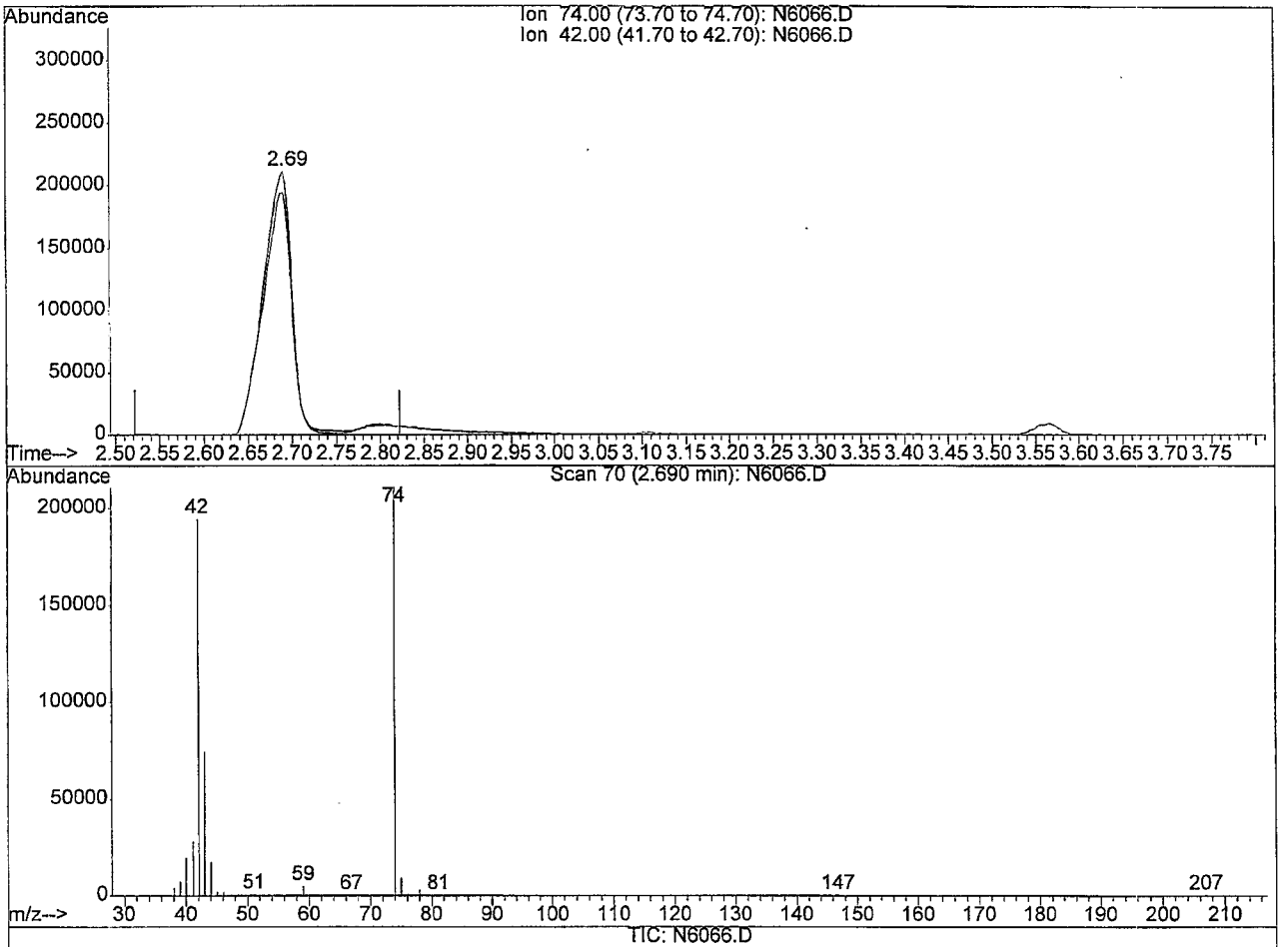
N6066.D 061705S1.M Fri Jul 01 13:17:56 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6066.D
Acq On : 1 Jul 2005 12:38 pm
Sample : EX050628-8LCSD
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 13:17 2005

Vial: 5
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration



(3) n-Nitrosodimethylamine (T)

2.69min 86.21ng/uL m

response 534707

Ion	Exp%	Act%
74.00	100	100
42.00	75.60	81.77
0.00	0.00	0.00
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☑ under-integrated peak's area
- ☐ other _____

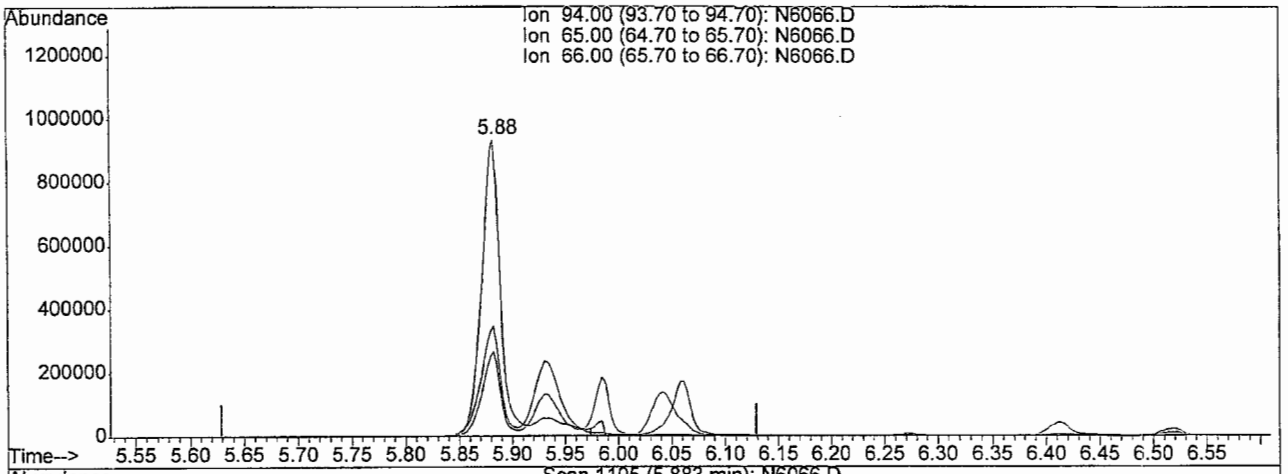
initials yl *date* 7-3-05

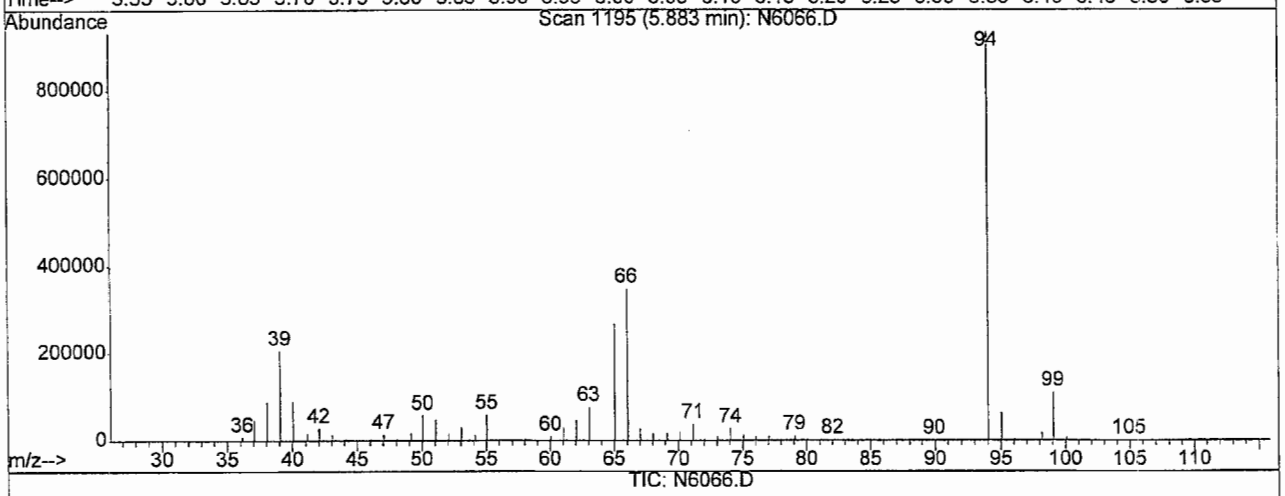
N6066.D 061705S1.M Fri Jul 01 13:18:00 2005

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6066.D Vial: 5
Acq On : 1 Jul 2005 12:38 pm Operator: JOE K SOP
Sample : EX050628-8LCSD Inst : GC/MS Ins
Misc : WATER EX050628-8 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 1 13:17 2005 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





TIC: N6066.D

(8) Phenol (TMC)

5.88min 91.93ng/uL

response 1277834

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	26.02
66.00	40.90	35.96
0.00	0.00	0.00

Before

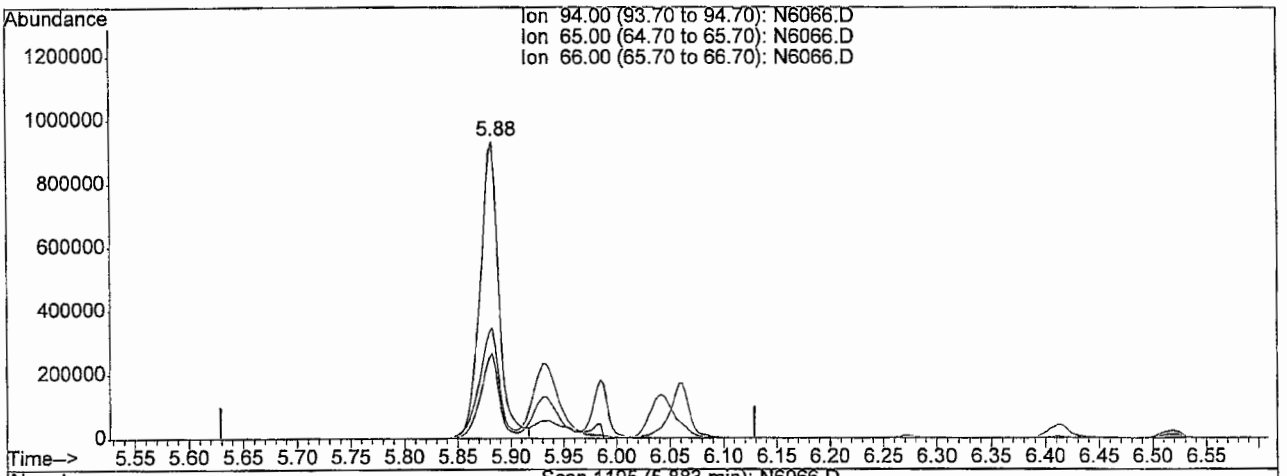
N6066.D 061705S1.M Fri Jul 01 13:18:10 2005

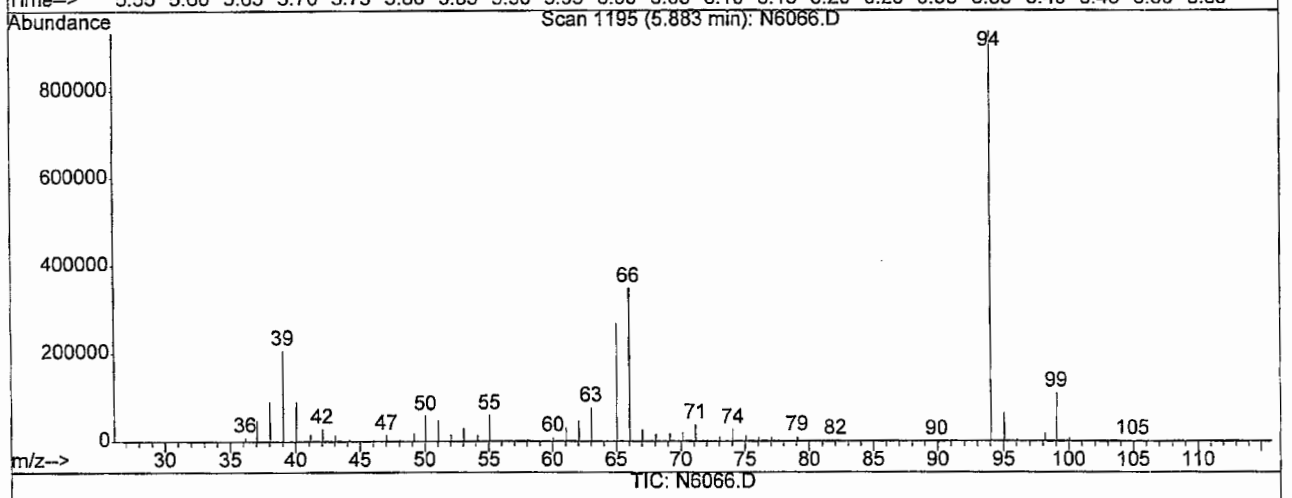
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\070105\N6066.D
Acq On : 1 Jul 2005 12:38 pm
Sample : EX050628-8LCSD
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 13:18 2005

Vial: 5
Operator: JOE K SOP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Multiple Level Calibration





TIC: N6066.D

(8) Phenol (TMC)

5.88min 82.48ng/uL m

response 1146470

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	29.00
66.00	40.90	40.08
0.00	0.00	0.00

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☑ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other _____

initials JK *date* 7-3-05

N6066.D 061705S1.M Fri Jul 01 13:18:15 2005

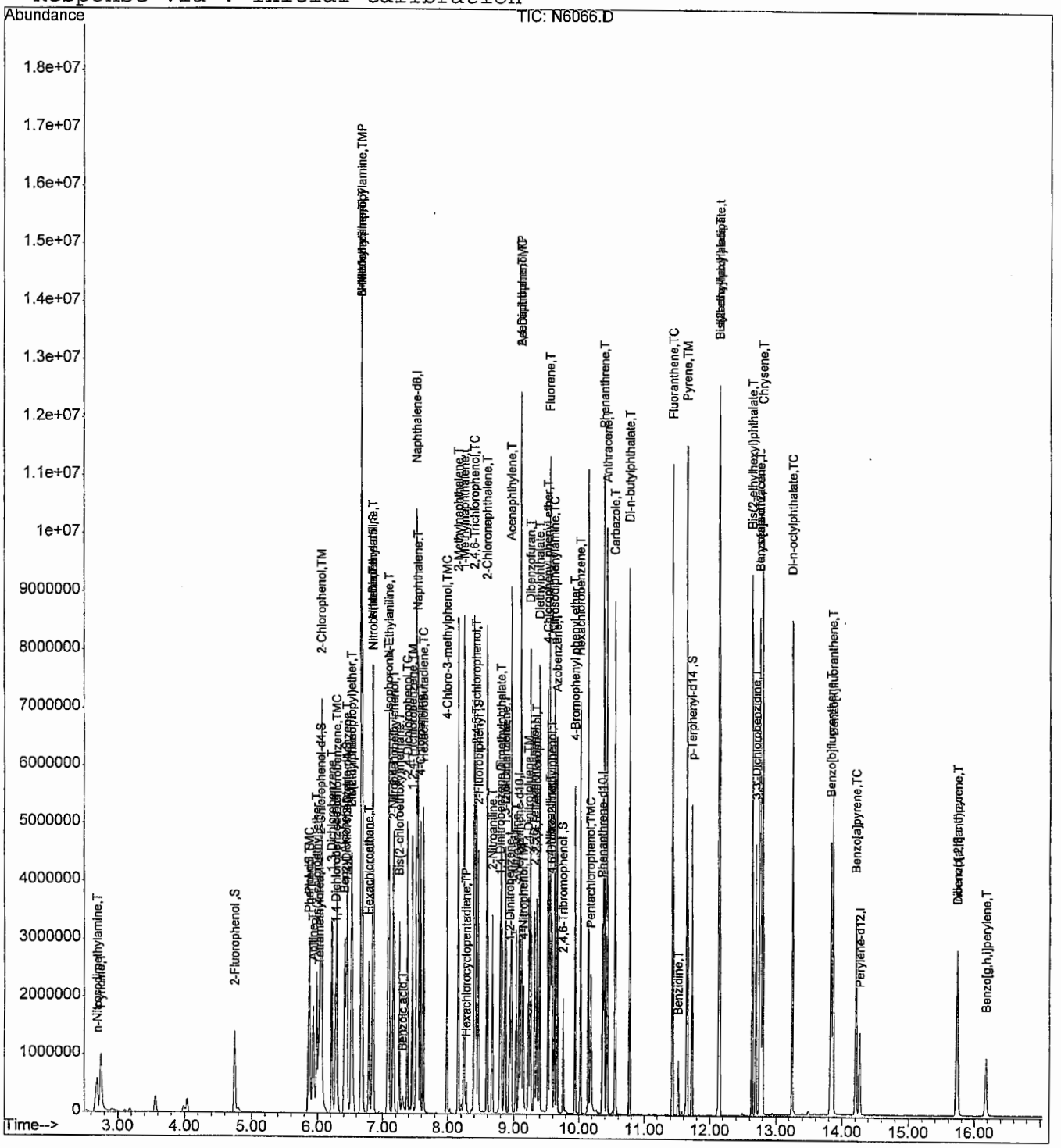
Quantitation Report

Data File : D:\HPCHEM\1\DATA\070105\N6066.D
Acq On : 1 Jul 2005 12:38 pm
Sample : EX050628-8LCSD
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 1 13:18 2005

Vial: 5
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration



Miscellaneous

Form 609r11.frm (2/23/05)

Paragon Analytics

SEMIVOLATILES EXTRACTION / CLEANUP WORKSHEET

290759 (Ext'd:G)

0506224, 0506205

WO #s 0506201, 217, 218, Matrix AQ Batch ID EX050628-8 Sur Code ST050503-1 MSpike Code ST050505-13 Balance ID NA Extr SOP/Rev 617/11 Extr Code 8270C CLP SOW E625

Extr Method: (3520C)CLP (3550C)SONC (3540C)SOX (3510C)SEP (3580A)Waste Dilution Initials SOW Extr Start Date/Time 6/28/05 1630 Extr Stop Date/Time 6/30/05 0900

Cleanup Code: (3620B) Florisil (3640A) GPC (See other forms) Silica Gel Cleanup SOP/Rev N/A Date/Time N/A Initials N/A Reviewed by / date 6/30/05

SAMPLE								EXTRACT / CLEANUP					
Sample No.	Amount (g/mL)	Initial pH	pH (≤2)	pH (11-13)	Surrogate (mL)	Matrix Spike (mL)	Sur / Matrix Spike Witnessed	Date KD (Initial)	Cleanup Date	Date KD (Final)	Final Volume (mL)	Date Vialed	Comments
WMB	1000	5	1.6	12.8	1.0	NA	SOW / JMB	6/30/05	N/A	N/A	1.0mL	6/30/05	
0506201-15	1040	5	1.6	12.8									
0506217-10	960	6	1.6	12.8							2.0mL		
-11	960	6	1.6	12.8							1.0mL		
0506218-17	990	5	1.6	12.8									
0506224-2	1020	5	1.6	12.8									
7	1060	5	1.6	12.8									
0506205-1	980	5	1.6	12.8									
2	970	5	1.6	12.8									
3	930	5	1.6	12.8									
4	980	5	1.6	12.8									
WLCS	1000	5	1.6	12.8		1.0							
WLCSD	1000	5	1.6	12.8									

JMB 6/30/05

Steam bath ~65 °C.

Salts: $MeCl_2$ CN393 Hexane N/A Acetone N/A Florisil N/A Silica Gel N/A (See other GPC forms) H_2SO_4 45010 NaOH 370 Na_2SO_4 45027

7708 A01H09

6/30/05

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6078.D
Acq On : 1 Jul 2005 5:51 pm
Sample : 0506217-10 5X
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 13:56 2005

Vial: 17
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.28	152	623705 ✓	40.00	ng/uL	0.00
23) Naphthalene-d8	7.52	136	1853042 ✓	40.00	ng/uL	0.00
40) Acenaphthene-d10	9.09	164	1592704 ✓	40.00	ng/uL	0.01
68) Phenanthrene-d10	10.38	188	2385834m High	40.00	ng/uL	0.02
79) Chrysene-d12	12.75	240	425286 Low	40.00	ng/uL	-0.01
90) Perylene-d12	14.24	264	121347 Low	40.00	ng/uL	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	4.79	112	110850	5.60	ng/uL	0.04
Spiked Amount 75.000	Range 21 - 100		Recovery = 7.47%# ✓			
5) 2-Chlorophenol-d4	6.08	132	102658	4.47	ng/uL	0.04
Spiked Amount 75.000	Range 33 - 110		Recovery = 5.96%#			
7) Phenol-d5	5.92	99	91984m	4.27	ng/uL	0.06
Spiked Amount 75.000	Range 15 - 104		Recovery = 5.69%# ✓			
14) 1,2-Dichlorobenzene-d4	6.44	152	37266	2.51	ng/uL	0.00
Spiked Amount 50.000	Range 16 - 110		Recovery = 5.02%#			
24) Nitrobenzene-d5	6.83	82	88650	5.23	ng/uL	0.00
Spiked Amount 50.000	Range 34 - 111		Recovery = 10.46%# ✓			
45) 2-Fluorobiphenyl	8.47	172	193107	3.25	ng/uL	0.00
Spiked Amount 50.000	Range 21 - 106		Recovery = 6.50%# ✓			
67) 2,4,6-Tribromophenol	9.79	330	64453	9.72	ng/uL	0.03
Spiked Amount 75.000	Range 23 - 100		Recovery = 12.96%# High			
82) p-Terphenyl-d14	11.72	244	82164	7.19	ng/uL	0.00
Spiked Amount 50.000	Range 33 - 111		Recovery = 14.38%# High			

TOTAL 10X D.O.

Target Compounds						Qvalue
3) n-Nitrosodimethylamine	2.81	74	428161	47.78	ng/uL# NO	13
8) Phenol	5.93	94	773501	38.51	ng/uL ✓	97
16) Benzyl Alcohol	6.44	108	73490	5.99	ng/uL# ✓	84
17) Bis(2-chloroisopropyl)ethe	6.52	45	20368	1.43	ng/uL# NO	27
18) 2-Methylphenol	6.53	107	15535	0.99	ng/uL# ✓	79
19) n-Nitroso-di-n-propylamine	6.70	70	12187	0.93	ng/uL# NO	1
20) 3+4-Methylphenol	6.69	108	103952	4.69	ng/uL# ✓	48
25) N,N-Dimethylaniline	6.87	120	19011	0.66	ng/uL# NO	33
26) Nitrobenzene	6.69	77	41247	1.87	ng/uL# NO	42
30) 2,4-Dimethylphenol	7.15	107	36880m	2.27	ng/uL ✓	
31) Bis(2-chloroethoxy)methane	7.29	93	86704	5.38	ng/uL# NO	49
33) Benzoic acid	7.40	105	486088	87.02	ng/uL# ✓	80
35) Naphthalene	7.54	128	73268m	1.47	ng/uL ✓	
36) 4-Chloroaniline	7.54	127	30838	1.57	ng/uL# NO	62
38) 4-Chloro-3-methylphenol	7.96	107	129706	10.27	ng/uL# NO	1
39) 2-Methylnaphthalene	8.16	142	201374m	6.16	ng/uL ✓	

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

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\070105\N6078.D
Acq On : 1 Jul 2005 5:51 pm
Sample : 0506217-10 5X
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 13:56 2005

Vial: 17
Operator: JOE K SOP 506
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Quant Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Fri Jul 01 11:56:47 2005
Response via : Initial Calibration
DataAcq Meth : 061705S1

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
41)	1-Methylnaphthalene	8.25	142	413605	8.05	ng/uL#	✓	72
42)	Hexachlorocyclopentadiene	8.49	237	45	5.91	ng/uL#	NO	76
43)	2,4,6-Trichlorophenol	8.38	196	13063	0.97	ng/uL#	NO	1
46)	2-Chloronaphthalene	8.64	162	34825	0.72	ng/uL#	NO	1
47)	2-Nitroaniline	8.64	65	77120	7.45	ng/uL#	NO	19
48)	1,4-Dinitrobenzene	8.80	168	173679	23.17	ng/uL#	NO	1
49)	Dimethylphthalate	8.81	163	90495	1.79	ng/uL#	NO	1
50)	1,3-Dinitrobenzene	8.80	168	172105	21.19	ng/uL#	NO	1
51)	2,6-Dinitrotoluene	8.92	165	36955	3.13	ng/uL#	NO	1
52)	1,2-Dinitrobenzene	8.96	168	87807	16.54	ng/uL#	NO	1
54)	3-Nitroaniline	9.06	138	41698	3.55	ng/uL#	NO	72
55)	Acenaphthene	9.15	154	96264m	1.98	ng/uL	✓	
57)	4-Nitrophenol	9.16	109	237071	43.75	ng/uL#	NO	57
58)	Dibenzofuran	9.27	168	339946	5.38	ng/uL	✓	92
59)	2,4-Dinitrotoluene	9.21	165	105562	7.33	ng/uL#	NO	75
61)	2,3,4,6-Tetrachlorophenol	9.59	232	94684	8.07	ng/uL#	NO	23
62)	Diethylphthalate	9.37	149	87120	1.76	ng/uL#	NO	1
63)	Fluorene	9.55	166	78864	1.50	ng/uL#	NO	1
65)	4-Nitroaniline	9.56	138	22866	1.83	ng/uL#	NO	65
66)	Azobenzene	9.69	77	1200166	29.29	ng/uL#	NO	48
70)	n-Nitrosodiphenylamine	9.64	169	225679	5.22	ng/uL#	NO	85
74)	Phenanthrene	10.40	178	514869m	7.47	ng/uL	✓	
77)	Di-n-butylphthalate	10.79	149	149693	1.82	ng/uL#	NO	77
80)	Benzidine	11.47	184	16421	2.50	ng/uL#	NO	69
84)	Bis(2-ethylhexyl) adipate	12.13	129	21591	3.49	ng/uL#	NO	1
88)	Bis(2-ethylhexyl)phthalate	12.61	149	20329m	2.39	ng/uL	✓	

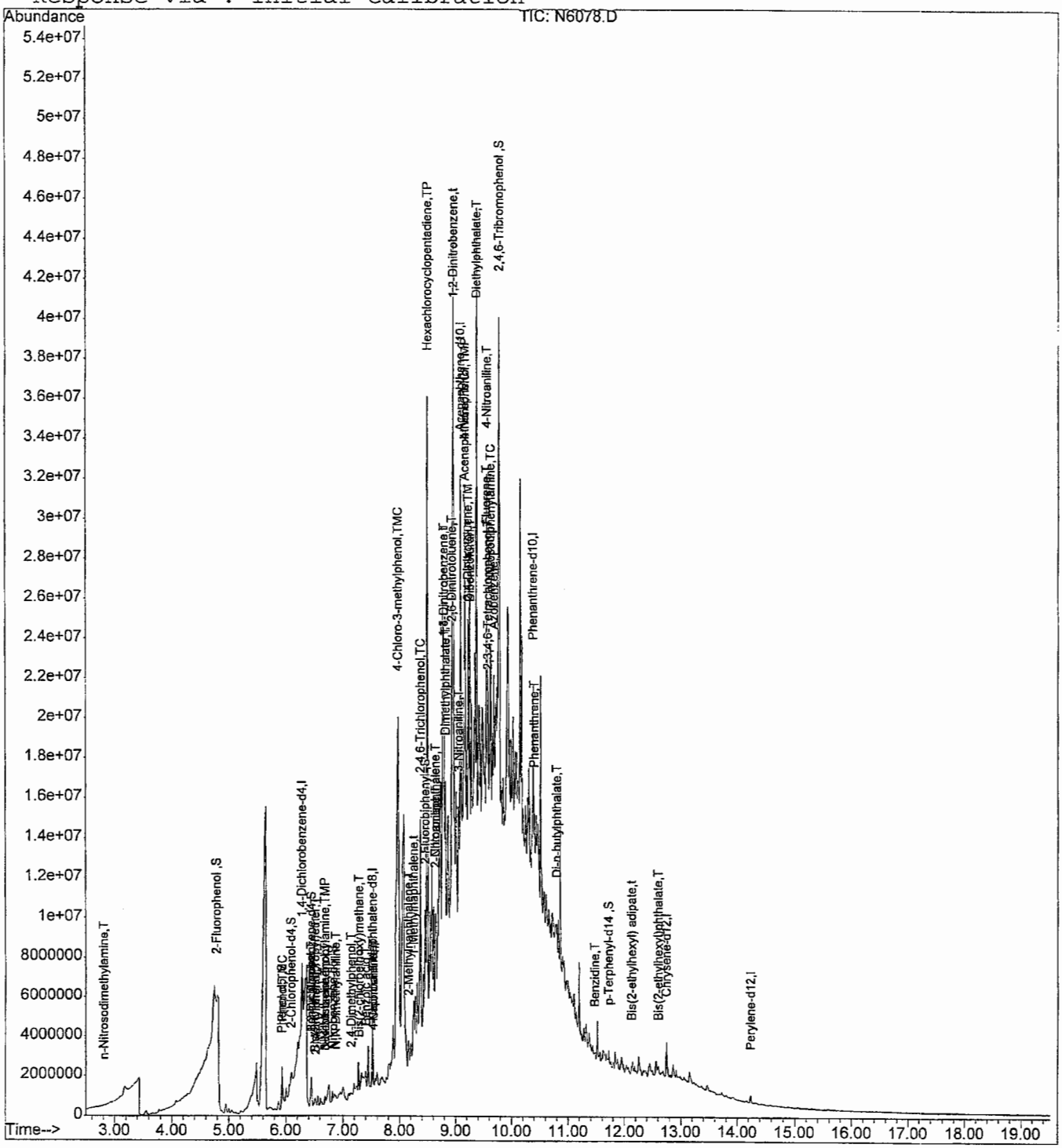
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\070105\N6078.D
Acq On : 1 Jul 2005 5:51 pm
Sample : 0506217-10 5X
Misc : WATER EX050628-8
MS Integration Params: RTEINT.P
Quant Time: Jul 5 13:56 2005

Vial: 17
Operator: JOE K SOP 5
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: 061705S1.RES

Method : D:\HPCHEM\1\METHODS\061705S1.M (RTE Integrator)
Title : GC-MS Semivolatiles SOP no. 506
Last Update : Sun Jul 03 14:48:17 2005
Response via : Initial Calibration



Paragon Analytics

Total Volatile Petroleum Hydrocarbons Case Narrative

NMED DOE Oversight Bureau

Gandy Marley, Inc.

Order Number - 0506217

1. This report consists of 9 soil samples. The samples were received cool and intact by Paragon on 06/24/2005.

2. These samples were prepared and analyzed according to SW-846, 3rd Edition procedures. Specifically, the soil samples were prepared by heating and purging 1g of sample mixed with 5ml of reagent water using purge and trap procedures based on Method 5030B. The calibration curve was also prepared using the heated purge.

3. The samples were analyzed using a GC with a DB-624 capillary column and an FID detector according to Paragon Analytics Standard Operating Procedure 425 Revision 10 generally based on SW-846 Methods 8000B and 8015B. The procedures are based on these methods because SW-846 does not have a specific method for TVPH or gasoline range organics. The only true modification from these methods is that TVPH is a multicomponent mixture and is quantitated by summing the entire range, rather than individual peaks. The carbon range integrated in this test extends from C_6 to C_{12}. All positive results in this range were quantitated using the responses from the initial calibration curve using the external standard technique.

4. All initial and continuing calibration criteria were met.

5. The method blanks associated with this project were below the MDL for gasoline range organics.

6. All laboratory control spike and laboratory control spike duplicate recoveries and RPDs were within the acceptance criteria.

7. All matrix spike and matrix spike duplicate recoveries and RPDs were within the acceptance criteria with the following exception:

Spiked Compound	QC Sample	Direction
Gasoline range organics	MS	Low

The recoveries for gasoline range organics in the laboratory control spike and laboratory control spike duplicate were within control limits, which suggest the outlier in the matrix spikes may have been due to matrix effects. No further action was warranted. Laboratory control spike and laboratory control spike duplicate results have been included.

8. All samples were extracted and analyzed within the established holding time.

9. All surrogate recoveries were within acceptance criteria.

10. All internal standard recoveries were within acceptance criteria with the following exceptions:

Internal Standard	Sample	Direction
Trifluorotoluene	7MSD	Low
Trifluorotoluene	9	Low

Sample 9 was re-analyzed to evaluate whether the original outlier was due to matrix effects or laboratory performance. The re-analysis also had the internal standard outside the control limits, which suggests the presence of matrix effects.

11. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics Standard Operating Procedure 939 Revision 1. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

FOR JAY FIELDING

Eric Bayless — 7/22/05

Jay Fielding
Fuels Analyst

Date

mn — 7.22.05

Reporter's Initials

Date

Paragon Analytics
Data Qualifier Flags
Fuels

G: **This flag indicates that a pattern resembling gasoline was detected in this sample.**

D: **This flag indicates that a pattern resembling diesel was detected in this sample.**

M: **This flag indicates that a pattern resembling motor oil was detected in this sample.**

H: **This flag indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.**

L: **This flag indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.**

Z: **This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:**
gasoline
JP-4
JP-8
diesel
mineral spirits
motor oil
Stoddard solvent
bunker C

Multiple flags may be used to indicate the presence of more than one product or component.

Paragon Analytics
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	**This flag indicates that the compound was analyzed for but not detected.**
J:	**This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.**
B:	**This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.**
E:	**This flag identifies compounds whose concentration exceeds the upper level of the calibration range.**
A:	**This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.**
X:	**This flag indicates that the analyte was diluted below an accurate quantitation level.**
***:**	**This flag indicates that a spike recovery is equal to or outside the control criteria used.**
+:	**This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.**

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0506217
Client Name: NMED DOE Oversight Bureau
Client Project Name: Gandy Marley, Inc.
Client Project Number:
Client PO Number: 22-667-55-02459

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
GMI-UST-1	0506217-1		SOIL	22-Jun-05	11:55
GMI-UST-2	0506217-2		SOIL	22-Jun-05	12:30
GMI-UST-3	0506217-3		SOIL	22-Jun-05	15:00
GMI-UST-4	0506217-4		SOIL	22-Jun-05	15:30
GMI-UST-5	0506217-5		SOIL	22-Jun-05	16:10
GMI-UST-6	0506217-6		SOIL	22-Jun-05	16:11
GMI-LBB-2	0506217-7		SOIL	22-Jun-05	16:30
GMI-LBB-1	0506217-8		SOIL	22-Jun-05	16:50
GMI-VOR	0506217-9		SOIL	22-Jun-05	17:16
GMI-Evap Tank East	0506217-10		WATER	22-Jun-05	17:40
GMI-Evap Tank West	0506217-11		WATER	22-Jun-05	18:00
GMI-UST-1	0506217-12		LEACHAT	22-Jun-05	11:55
GMI-UST-2	0506217-13		LEACHAT	22-Jun-05	12:30
GMI-UST-3	0506217-14		LEACHAT	22-Jun-05	15:00
GMI-UST-4	0506217-15		LEACHAT	22-Jun-05	15:30
GMI-UST-5	0506217-16		LEACHAT	22-Jun-05	16:10
GMI-UST-6	0506217-17		LEACHAT	22-Jun-05	16:11
GMI-LBB-2	0506217-18		LEACHAT	22-Jun-05	16:30
GMI-LBB-1	0506217-19		LEACHAT	22-Jun-05	16:50
GMI-VOR	0506217-20		LEACHAT	22-Jun-05	17:16

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0506217

Chain-of-Custody Date _____ Page ___ of ___

Originator: Retain pink copy

Project Name / No.: GANDY MARLEY, INC Sampler(s): S.P., M.C. Turnaround (circle one): (Standard) or Rush (Due _____) Dispose: Date ALAP or Return to Client

Report To: STEVE PULLEN
Phone: 505-428-2544
Fax:
E-mail: STEVE.PULLEN@state.nm.us
Company: NM ENVIRONMENT. HAZ. WASTE
Address: 2905 RODEO PARK DR. EAST
BLDG. 1
SANTA FE, NM 87502

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type)	No. of Containers	VOCs SW8260B E624 E524.2	BTEX (only) SW8021B	SVOCs SW8270C E625	OC Pesticides SW8081A E608	PCBs SW8082 E608	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 SW6010B SW7470	Total Metals by ICP SW6010B 7470 7471 E200 ILMO___	Dissolved Metals by ICP SW6010B 7470 E200 ILMO___	Total Metals by ICP/MS SW6020 E200.8 ILMO___	Dissolved Metals by ICP/MS SW6020 E200.8 ILMO___	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH (GRO) (DRO) SW8015B (both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1 SW9320 E904.0	Strontium 89 D5811-00	Strontium 90 D5811-00	Gamma Isotopes E901.1
GMI-UST 1	6/22	11:55	1	S	NA	1									X									X							
GMI-UST-2	6/22	1230	2	S	"	1									X									X							
GMI-UST-3	"	1500	3	S	"	1									X									X							
GMI-UST.4	"	1530	4	S	"	1									X									X							
GMI-UST.5	"	1610	5	S	"	1									X									X							
GMI-UST.6	"	1611	6	S	"	1									X									X							
GMI-LBB-2	"	1630	7	S	"	1									X									X							
GMI-LBB.1	"	1650	8	S	"	1									X									X							
GMI-VOR	"	1716	9	S	"	1									X									X							
GMI-EVAP TANK EAST	"	1740	10	W	"	4	X		X							X															
GMI EVAP TANK WEST	"	1800	11	W	"	4	X		X							X															

* Time Zone: EST CST (MST) PST **Matrix Key:** O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments:

SOIL SAMPLES - Report TPH results ASAP. MAY RUN TCLP VOCs & SVOCs.

Form 202r5.xls (4/6/04)

Relinquished By: (1)	Relinquished By: (2)
Signature: STEVE PULLEN	Signature:
Printed Name:	Printed Name:
Date: 6/23/05 Time: 1430	Date: Time:
Company: NMED.	Company:

Received By: (1)	Received By: (2)
Signature: Matt Wisman	Signature:
Printed Name: Matt Wisman	Printed Name:
Date: 6/24/05 Time: 1000	Date: Time:
Company: Paragon	Company:

Paragon Analytics

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 0506217

Project Manager: LRS Initials: MN Date: 6/24/05

1.	Does this project require any **special handling** in addition to standard Paragon procedures?		YES	(NO)
2.	Is **pre-screening** required per SOP 008?		YES	(NO)
3.	Are custody **seals** on **shipping containers** intact?	N/A	(YES)	NO
4.	Are custody **seals** on **sample containers** intact?	(N/A)	YES	NO
5.	Is there a **COC (Chain-of-Custody) present** or other representative documents?		(YES)	NO
6.	Is the **COC** (if applicable) **complete and legible**?	N/A	(YES)	NO
7.	Are **bottle IDs legible** and in **agreement** with **COC sample IDs**?	N/A	YES	(NO)
8.	Is the COC in agreement with samples received? (**# of samples, # of containers, matrix**)	N/A	(YES)	NO
9.	Were **airbills** present and/or removable?	N/A	(YES)	NO
10.	Are all **aqueous samples** requiring preservation **preserved correctly**? (excluding volatile organics)	N/A	YES	(NO)
11.	Are all aqueous **non-preserved samples** at the **correct pH**?	N/A	(YES)	NO
12.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
13.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
14.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
15.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
16.	Are all samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble**: ✓ < green pea ____ > green pea	N/A	YES	(NO)
17.	Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
18.	Were the sample(s) **shipped on ice**?	N/A	(YES)	NO
19.	Were cooler temperatures measured at 0.1-6.0°C?	N/A	(YES)	NO

***IR gun used** *(circle one)*: #2 - Oakton InfraPro II, SN2922500201-0066; (#4) - Oakton InfraPro II, SN2372220101-0002

Cooler #'s 1

Temperature (°C) 3.2

No. of custody seals 2

DOT Survey/ Acceptance Information

External µR/hr reading 14

Background µR/hr reading 12

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) / NO (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE EXCEPT #1 AND #2.

- Metals bottles for samples 10 + 11 rec'd unpreserved. Potential organics suspected prevented preservation in field, will be filtered and preserved as needed by laboratory.
- ID discrepancies - see p. 2
- Both VOA bottles for sample 10 rec'd w/ headspace.

If applicable, was the client contacted? (YES) / NO / NA Contact Name: S. Pullen Date/Time: 4/24

Project Manager Signature/ Date: M. Gruber

Form 201r18.xls (6/26/04)

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: NMED Workorder No: 0506217

Project Manager: CRS Initials: MN Date: 6/24/05

Sample ID Discrepancy:

	COC Information				Bottle Information			
Paragon ID	Client ID	Date	Time	Analysis	Bottle ID	Date	Time	Analysis
0506217-3	GMI-UST-3	6/22/05	1500	TCLP/TPH	GMI-Cell-3	6/22/05	1500	TCLP/TPH
-4	GMI-UST-4		1530		GMI-Cell-4		1530	
-5	GMI-UST-5		1610		GMI-Cell-5		1610	
-6	GMI-UST-6		1611		GMI-Cell-6		1611	

Logged per COC until notified otherwise

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: 6/24

Form 201r18.xls (6/26/04)

FedEx. US Airbill Express

FedEx Tracking Number 8517 7528 4513

1 From

Date 6/23/05 [redacted]

Sender's Name STEVE FOLLEN Phone 505 428 8544

Company NM ENVIRONMENT Dept.

Address 2905 RODEO RD. EAST BLD. 1 Dept./Floor/Suite/Room

City SANTA FE State NM ZIP 87502

2 Your Internal Billing Reference

3 To

Recipient's Name LANCE STEERE Phone 970 490 1511

Company PARAGON ANALYTICAL

Recipient's Address 225 COMMERCE DR.

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City FT. COLLINS State CO ZIP 80524

8517 7528 4513

Recipients Cop

4a Express Package Service — Packages up to 150 lb.

- [x] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service — Packages over 150 lb.

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling

- [ ] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day

†Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845
- [ ] Cargo Only

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment Bill to:

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Enter FedEx Acct. No. or Credit Card No. below.

[redacted] 12 [redacted]

Total Packages	Total Weight	Total Declared Value†	Total Charges
1	57	$ .00	

†Our liability is limited to $100 unless you declare a higher value. See back for details.

Credit Card Auth.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339.

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467

14

Analytical Results

Gasoline Range Organics

Method SW8015B

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: HCG050627-2MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0464

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	0.5	0.5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.474		0.5	95	76 - 112

Data Package ID: *HCG0506217-1*

Gasoline Range Organics

Method SW8015B

Sample Results

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-1
Lab ID: 0506217-1

Sample Matrix: SOIL
% Moisture: 3.5
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0465

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	6.3	0.52	H,Z	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.466		0.518	90	76 - 112

Data Package ID: *HCG0506217-1*

Gasoline Range Organics

Method SW8015B

Sample Results

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-3
Lab ID: 0506217-3

Sample Matrix: SOIL
% Moisture: 6
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0467

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	25	0.53	H	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.52		0.532	98	76 - 112

Data Package ID: *HCG0506217-1*

Gasoline Range Organics

Method SW8015B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-4
Lab ID: 0506217-4

Sample Matrix: SOIL
% Moisture: 2.5
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1.06 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0468

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	0.48	0.48	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.424		0.484	88	76 - 112

Data Package ID: *HCG0506217-1*

Gasoline Range Organics

Method SW8015B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-5
Lab ID: 0506217-5

Sample Matrix: SOIL
% Moisture: 6.9
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0469

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	4	0.54	H,Z	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.461		0.537	86	76 - 112

Data Package ID: *HCG0506217-1*

Gasoline Range Organics

Method SW8015B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-LBB-2
Lab ID: 0506217-7

Sample Matrix: SOIL
% Moisture: 21.9
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1.01 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0471

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	0.59	0.63	J	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.58		0.634	91	76 - 112

Data Package ID: *HCG0506217-1*

Gasoline Range Organics

Method SW8015B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-LBB-1
Lab ID: 0506217-8

Sample Matrix: SOIL
% Moisture: 33.9
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1.02 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0475

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	4.1	0.74	G	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.676		0.742	91	76 - 112

Data Package ID: *HCG0506217-1*

Gasoline Range Organics

Method SW8015B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-2
Lab ID: 0506217-2

Sample Matrix: SOIL
% Moisture: 8.2
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0477

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	0.074	0.54	J	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.485		0.545	89	76 - 112

Data Package ID: *HCG0506217-1*

Gasoline Range Organics

Method SW8015B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-6
Lab ID: 0506217-6

Sample Matrix: SOIL
% Moisture: 1.1
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1.06 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0478

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	0.48	0.48	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.43		0.477	90	76 - 112

Data Package ID: *HCG0506217-1*

Gasoline Range Organics

Method SW8015B

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-VOR
Lab ID: 0506217-9

Sample Matrix: SOIL
% Moisture: 2.3
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1.01 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0479

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	0.51	0.51	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.457		0.507	90	76 - 112

Data Package ID: *HCG0506217-1*

Supporting QA/QC Data

Surrogate Summary for Gasoline Range Organics

Method SW8015

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

PrepBatchID: HCG050627-2
QC Batch ID: HCG050627-2-1
Date Extracted: 6/27/2005

Surrogate Compound	Control Limits Lower	Control Limits Upper
2,3,4-trifluorotoluene	76	112

Lab ID	Client Sample ID	Date Collected	Date Received	% Recovery
0506217-1	GMI-UST-1	6/22/2005	6/24/2005	90
0506217-2	GMI-UST-2	6/22/2005	6/24/2005	89
0506217-3	GMI-UST-3	6/22/2005	6/24/2005	98
0506217-4	GMI-UST-4	6/22/2005	6/24/2005	88
0506217-5	GMI-UST-5	6/22/2005	6/24/2005	86
0506217-6	GMI-UST-6	6/22/2005	6/24/2005	90
0506217-7	GMI-LBB-2	6/22/2005	6/24/2005	91
0506217-7MSD	GMI-LBB-2	6/22/2005	6/24/2005	92
0506217-7MS	GMI-LBB-2	6/22/2005	6/24/2005	91
0506217-8	GMI-LBB-1	6/22/2005	6/24/2005	91
0506217-9	GMI-VOR	6/22/2005	6/24/2005	90
HCG050627-2MB	XXXXXXX	6/27/2005	6/24/2005	95
HCG050627-2LCSD	XXXXXXX	6/27/2005	6/24/2005	93
HCG050627-2LCS	XXXXXXX	6/27/2005	6/24/2005	92

Data Package ID: *HCG0506217-1*

Gasoline Range Organics

Method SW8015B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: HCG050627-2LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/27/2005
Date Analyzed: 06/27/2005
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0462

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
8006-61-9	GASOLINE RANGE ORGANICS	5	5.29	0.5		106	79 - 118%

Lab ID: HCG050627-2LCSD

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/27/2005
Date Analyzed: 06/27/2005
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F2PF0463

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
8006-61-9	GASOLINE RANGE ORGANICS	5	4.8	0.5		96	20	10

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.5	92		93		76 - 112

Data Package ID: *HCG0506217-1*

Gasoline Range Organics

Method SW8015B

Matrix Spike And Matrix Spike Duplicate

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-LBB-2
LabID: 0506217-7MS

Sample Matrix: SOIL
% Moisture: 21.9
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1.02 g
Final Volume: 5 ml
Result Units: mg/kg
File Name: F2PF0473

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
8006-61-9	GASOLINE RANGE ORGANICS	0.59	J	6		0.628	6.28	86	79 - 118%

Field ID: GMI-LBB-2
LabID: 0506217-7MSD

Sample Matrix: SOIL
% Moisture: 21.9
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 27-Jun-05
Prep Method: SW5030B

Prep Batch: HCG050627-2
QCBatchID: HCG050627-2-1
Run ID: HCG050627-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1.06 g
Final Volume: 5 ml
Result Units: mg/kg
File Name: F2PF0474

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
8006-61-9	GASOLINE RANGE ORGANICS	3.99	*	6.04	56	0.604	40	40

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.628	91		92		76 - 112

Data Package ID: *HCG0506217-1*

Prep Batch ID: HCG050627-2

Start Date: 06/27/05
Start Time: 9:21
Prep Analyst: Jay Fielding

End Date: 06/27/05
End Time: 18:41

Concentration Method: NONE
Extract Method: SW5030B
Initial Volume Units: g
Final Volume Units: ml

Batch Created By: LJF
Date Created: 06/28/05
Time Created: 22:34
Validated By: LJF
Date Validated: 07/01/05
Time Validated: 10:21

Comments:

QC Batch ID: HCG050627-2-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
HCG050627-2	MB	XXXXXX	SOIL	XXXXXX	1	5	NONE	1	0506217
HCG050627-2	LCS	XXXXXX	SOIL	XXXXXX	1	5	NONE	1	0506217
HCG050627-2	LCSD	XXXXXX	SOIL	XXXXXX	1	5	NONE	1	0506217
0506217-7	MS	GMI-LBB-2	SOIL	6/22/2005	1.02	5	NONE	1	0506217
0506217-7	MSD	GMI-LBB-2	SOIL	6/22/2005	1.06	5	NONE	1	0506217
0506217-1	SMP	GMI-UST-1	SOIL	6/22/2005	1	5	NONE	1	0506217
0506217-2	SMP	GMI-UST-2	SOIL	6/22/2005	1	5	NONE	1	0506217
0506217-3	SMP	GMI-UST-3	SOIL	6/22/2005	1	5	NONE	1	0506217
0506217-4	SMP	GMI-UST-4	SOIL	6/22/2005	1.06	5	NONE	1	0506217
0506217-5	SMP	GMI-UST-5	SOIL	6/22/2005	1	5	NONE	1	0506217
0506217-6	SMP	GMI-UST-6	SOIL	6/22/2005	1.06	5	NONE	1	0506217
0506217-7	SMP	GMI-LBB-2	SOIL	6/22/2005	1.01	5	NONE	1	0506217
0506217-8	SMP	GMI-LBB-1	SOIL	6/22/2005	1.02	5	NONE	1	0506217
0506217-9	SMP	GMI-VOR	SOIL	6/22/2005	1.01	5	NONE	1	0506217

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Initial Calibration Summary
FORM VI

Calibration: 8015B modified SOP 425 revision 10 'TVPH'
Date: 10 Jun 05 07:06 PM

Instrument: FUELS 2
Method Name: PF061005.M

1 = F2PF0397.D 2 = F2PF0396.D 4 = F2PF0394.D 5 = F2PF0393.D
6 = F2PF0392.D 7 = F2PF0391.D 8 = F2PF0390.D

Compound	Response Factors							
PID	1	2	3	4	5	6	7	8
TFT	1.0000	1.0000		1.0000	1.0000	1.0000	1.0000	1.0000
2,3,4-Trifluorotoluen	1.5411	1.3720		1.4065	1.3617	1.2058	1.1842	1.1765
BFB	2.7756	2.5554		2.3301	2.1836	1.9181	1.8305	1.7357
FID								
TFT #2	0.1885	0.1892		0.1881	0.1896	0.1899	0.1928	0.1895
TVPH #2	14859280	13332620		11966354	11472589	11491028	11217945	10867863
2,3,4, -TFT #2	0.2812	0.2513		0.2596	0.2530	0.2250	0.2250	0.2211
BFB #2	0.1459	0.1343		0.1364	0.1347	0.1221	0.1208	0.1156

BB 15 Jun 5

Compound	Ave RF	% RSD	Corr.	Curve fit	RT	RT windows		curve info		
PID			R2	type		low	high	slope	y-int	x*x
TFT	1.000	0.0	N/A	Ave RF	7.43	7.23	7.73	N/A	0.000	0.000
2,3,4-Trifluorotoluen	1.321	10.4	N/A	Ave RF	9.61	9.41	9.81	~~1.583~~ 1.321	~~-0.008~~	~~-0.264~~
BFB	2.190	17.7	N/A	Ave RF	11.94	11.84	12.14	2.190	0.000	0.000
FID										
TFT #2	0.190	0.8	0.000	Ave RF	7.43	7.23	7.63	N/A	0.000	0.000
TVPH #2	12172525.512	11.7	1.000	Linear	10.00	3.75	14.95	10891584.147	560411.770	0.000
2,3,4, -TFT #2	0.245	9.1	N/A	Ave RF	9.62	9.42	9.82	10465.949	0.000	0.000
BFB #2	0.130	8.2	N/A	Ave RF	11.95	11.75	12.25	5549.916	0.000	0.000

δ
6/15/05

27

Initial Calibration Summary
FORM VI

Calibration: 8015B modified SOP 425 revision 10 'TVPH'
Date: 10 Jun 05 07:06 PM

Instrument: FUELS 2
Method Name: PF061005.M

1 = F2PF0397.D 2 = F2PF0396.D 3 = F2PF0395.D 4 = F2PF0394.D 5 = F2PF0393.D
6 = F2PF0392.D 7 = F2PF0391.D 8 = F2PF0390.D

Compound	Calibration level (ppb)							
PID	1	2	3	4	5	6	7	8
TFT	100	100	100	100	100	100	100	100
2,3,4-Trifluorotoluen	20	40	60	80	100	120	140	160
BFB	20	40	60	80	100	120	140	160
FID								
TFT #2	100	100	100	100	100	100	100	100
TVPH #2	0.05	0.1	0.2	0.5	1	2	4	6
2,3,4, -TFT #2	20	40	60	80	100	120	140	160
BFB #2	20	40	60	80	100	120	140	160

Template: icalws2.xls

6/15/05

28

Calibration Verification Summary
FORM VII

Sample: HCG050610-1LCS

FUELS 2
8015B SOP 425 Rev 10

Data File #1: C:\HPCHEM\6\DATA\06102005\F2PF0399.D
Data File #2: C:\HPCHEM\6\DATA\06102005\F2PF0399.D\CONFIRM.D
Template: ccalwis.xls 10 Jun 05 07:06 PM

PID COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ug/L	Conc ug/L	%D
TFT	7.43	7.42	0.007	100	100.00	0
2,3,4-Trifluorotoluene	9.61	9.60	0.013	100	90.74	9

FID						
TVPH #2	10.00	10.00	0.000	1	1.09	9

LCS to be used as ICV

6/15/05

Calibration Verification Summary
FORM VII

Sample: CCV1 27JUN05 8015B

FUELS 2
8015B SOP 425 Rev 10

Data File #1: C:\HPCHEM\6\DATA\06272005\F2PF0461.D
Data File #2: C:\HPCHEM\6\DATA\06272005\F2PF0461.D\CONFIRM.D
Template: ccalwis.xls 27 Jun 05 09:21 AM

PID COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ug/L	Conc ug/L	%D
TFT	7.43	7.46	-0.027	100	100.00	0
2,3,4-Trifluorotoluene	9.61	9.63	-0.020	100	94.23	6

FID						
TVPH #2	10.00	10.00	0.000	1	1.07	7

S 6/28/05

Calibration Verification Summary
FORM VII

Sample: CCV2 27JUN05 8015B

FUELS 2
8015B SOP 425 Rev 10

Data File #1: C:\HPCHEM\6\DATA\06272005\F2PF0472.D
Data File #2: C:\HPCHEM\6\DATA\06272005\F2PF0472.D\CONFIRM.D
Template: ccalwis.xls 27 Jun 05 02:52 PM

PID COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ug/L	Conc ug/L	%D
TFT	7.43	7.44	-0.013	100	100.00	0
2,3,4-Trifluorotoluene	9.61	9.62	-0.010	100	93.41	7

FID						
TVPH #2	10.00	10.00	0.000	1	1.03	3

S 6/28/05

Calibration Verification Summary
FORM VII

Sample: CCV3 27JUN05 8015B

FUELS 2
8015B SOP 425 Rev 10

Data File #1: C:\HPCHEM\6\DATA\06272005\F2PF0480.D
Data File #2: C:\HPCHEM\6\DATA\06272005\F2PF0480.D\CONFIRM.D
Template: ccalwis.xls 27 Jun 05 06:41 PM

PID COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ug/L	Conc ug/L	%D
TFT	7.43	7.44	-0.013	100	100.00	0
2,3,4-Trifluorotoluene	9.61	9.62	-0.004	100	92.63	7

FID						
TVPH #2	10.00	10.00	0.000	1	0.94	6

6/28/05

Supporting Raw Data

286532

Paragon Analytics

Instrument ID Fnl=2 Date 6/10/05 Operator S Method 8015B SOP 4/25 Rev 10 Matrix Soil Date Data Archived

Sequence Name: C:\HPCHEM\6\SEQUENCE\061002005 . S Processing Method PF061005 Method Saved As — Data Path: C:\HPCHEM\6\DATA\06102005

Reagent Lots: 1. Primary Standard #ST050523-4 ; exp. date 6/23/05 2. 2nd Source # ST050523-5 ; exp. date 6/23/05 3. IS + SS #ST050523-3 ; exp. date 6/23/05

4. IS only #ST050523-1 ; exp. date 6/23/05 5. Surr only #ST050523-2 ; exp. date 6/23/05 P&T MeOH # CA591 ; exp. date 12/1/05

ISV or CCV (circle 1) 1 IS Det.#1 area 4324516 ICV or CCV (circle 1) 1 IS Det.#2 area — Balance ID 8

Vial	Data File	Method	Sample Name	Sample pH	Sample wt / Vol	Std 1 Added (µL)	Std 2 Added (µL)	Std 3 Added (µL)	Std 4 Added (µL)	Std 5 Added (µL)	IS Check	Sur Check	Rerun?	Comments
3	F2PF0388	PF061005	CCV1 10JUN05 8015B	NA	5mL	—	—	—	—	—	—	—	—	
4	F2PF0389	PF061005	HCG050610-2MB	NA	—	—	—	—	—	—	—	—	—	
5	F2PF0390	PF061005	IC8		5mL	80	NA	NA	5	8	✓	✓	N	
6	F2PF0391	PF061005	IC7		5mL	40			5	7	✓	✓	N	
7	F2PF0392	PF061005	IC6		5mL	20			5	6	✓	✓	N	
8	F2PF0393	PF061005	IC5		5mL	10			5	5	✓	✓	N	
9	F2PF0394	PF061005	IC4		5mL	5			5	4	✓	✓	N	
10	F2PF0395	PF061005	IC3		5mL	20(10x)*			5	3 **	✓	High	N	*(10x) 10µL ST050523-4 5/6/15 ** Good Hex
11	F2PF0396	PF061005	IC2		5mL	10(10x)*			5	2	✓	✓	N	Point Dropped ST5 was prep. @ IC5 Level
12	F2PF0397	PF061005	IC1		5mL	5(10x)*			5	1	✓	✓	N	
13	F2PF0398	PF061005	ICV 4ppm		5mL	—	—	5	NA	NA	✓	✓	N	USE LCS as ICV No spike in ICV 4ppm
14	F2PF0399	PF061005	HCG050610-1LCS		1.00	—	10	5			✓	✓	N	
15	F2PF0400	PF061005	HCG050610-1LCSD		1.00	—	10	5			✓	✓	N	
16	F2PF0401	PF061005	HCG050610-1MB		1.00	—	—	5			✓	✓	N	
1	F2PF0402	PF061005	0506077-1		1.00	—	—	5			✓	✓	N	
2	F2PF0403	PF061005	0506077-1MS		1.08	—	10	5			✓	✓	N	LOW GRO Confirmed by MSD
3	F2PF0404	PF061005	0506077-1MSD		1.01	—	10	5			✓	✓	N	LOW GRO Confirmed by MS
4	F2PF0405	PF061005	CCV1 10JUN05 8015B		5mL	10	—	5			✓	✓	N	

S 6/15/05

Reviewed by / date

Form 412r1.xls (7/5/2000)

286537

Paragon Analytics

Instrument ID Fmls 2 Date 6/27/05 Operator S Method 8015 B SOP 425 / Rev 10 Matrix Soil Date Data Archived

Sequence Name: C:\HPCHEM\ 6\SEQUENCE\~~ST05~~ 06272005.S Processing Method PF061005 Method Saved As — Data Path: C:\HPCHEM\ 6\DATA\ 06272005

Reagent Lots: 1. Primary Standard # ST050624-5 (6/30); exp. date 7/24/05 2. 2nd Source # ST050624-6; exp. date 7/24/05 3. IS + SS # ST050624-4; exp. date 7/18/05

4. IS only # —; exp. date — 5. Surr only # —; exp. date — P&T MeOH # —; exp. date —

ICV or CCV (circle 1) 1 IS Det.#1 area 4009589 ICV or CCV (circle 1) 1 IS Det.#2 area — Balance ID 8

Vial	Data File	Method	Sample Name	Sample pH	Sample wt / Vol	Std 1 Added (µL)	Std 2 Added (µL)	Std 3 Added (µL)	Std 4 Added (µL)	Std 5 Added (µL)	IS Check	Sur Check	Rerun?	Comments
8	F2PF0461	PF061005	CCV1 27JUN05 8015B	NA	5mL	10	—	5	NA	NA	✓	✓	N	PASSES ±15%
9	F2PF0462	PF061005	HCG050624~~72~~LCS 5		1.00	—	10	5			✓	✓	N	
10	F2PF0463	PF061005	HCG050624~~72~~LCSD 6/30		1.00	—	10	5			✓	✓	N	
11	F2PF0464	PF061005	HCG050624~~72~~MB		1.00	—	—	5			✓	✓	N	
12	F2PF0465	PF061005	0506217-1		1.00	—	—	5			✓	✓	N	
13	F2PF0466	PF061005	0506217-2		1.04	—	—	5			Low	✓	Y	RR Low IS
14	F2PF0467	PF061005	0506217-3		1.00	—	—	5			✓	✓	N	
15	F2PF0468	PF061005	0506217-4		1.06	—	—	5			✓	✓	N	
16	F2PF0469	PF061005	0506217-5		1.00	—	—	5			✓	✓	N	
1	F2PF0470	PF061005	0506217-6		1.05	—	—	5			low	✓	Y	RR Low IS
2	F2PF0471	PF061005	0506217-7		1.01	—	—	5			✓	✓	N	
3	F2PF0472	PF061005	CCV2 27JUN05 8015B		5mL	10	—	5			✓	✓	N	PASSES ±15%
4	F2PF0473	PF061005	0506217-7MS		1.02	—	10	5			✓	✓	N	
5	F2PF0474	PF061005	0506217-7MSD		1.06	—	10	5			low	✓	N	Low IS Low GRO ISOK in MS/MATIVE GRO OK in LCS/LCSD/MS
6	F2PF0475	PF061005	0506217-8		1.02	—	—	5			✓	✓	N	
7	F2PF0476	PF061005	0506217-9		1.05	—	—	5			low	✓	Y N	
8	F2PF0477	PF061005	0506217-2		1.00	—	—	5			✓	✓		
9	F2PF0478	PF061005	0506217-6		1.06	—	—	5			✓	✓	N	
10	F2PF0479	PF061005	0506217-9		1.01	—	—	5			Low	✓	N	Low IS Confirmed F2PF0476
11	F2PF0480	PF061005	CCV3 27JUN05 8015B		5mL	10		5			✓	✓	N	PASSES ±15%

6/30/05

Reviewed by / date

Form 412r1.xls (7/5/2000)

Calibration Raw Data

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0390.D Vial: 5
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0390.D\CONFIRM.D
Acq On : 10 Jun 05 02:56 PM Operator: FIELDING
Sample : IC8 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:09 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.43	4442279	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.61	8362289	146.63 ppb
Recovery		=	146.63%
3) S BFB	11.94	12336571	128.15 ppb
Recovery		=	128.15%
5) S TFT #2	7.43	841887	108.58 ppb
Recovery		=	108.58%
7) S 2,3,4, -TFT #2	9.61	1571300	160.53 ppb
Recovery		=	160.53%
8) S BFB #2	11.94	821961	156.20 ppb
Recovery		=	156.20%
Target Compounds			
6) H TVPH #2	10.00	65207180	5.66 ppm

6/15/05

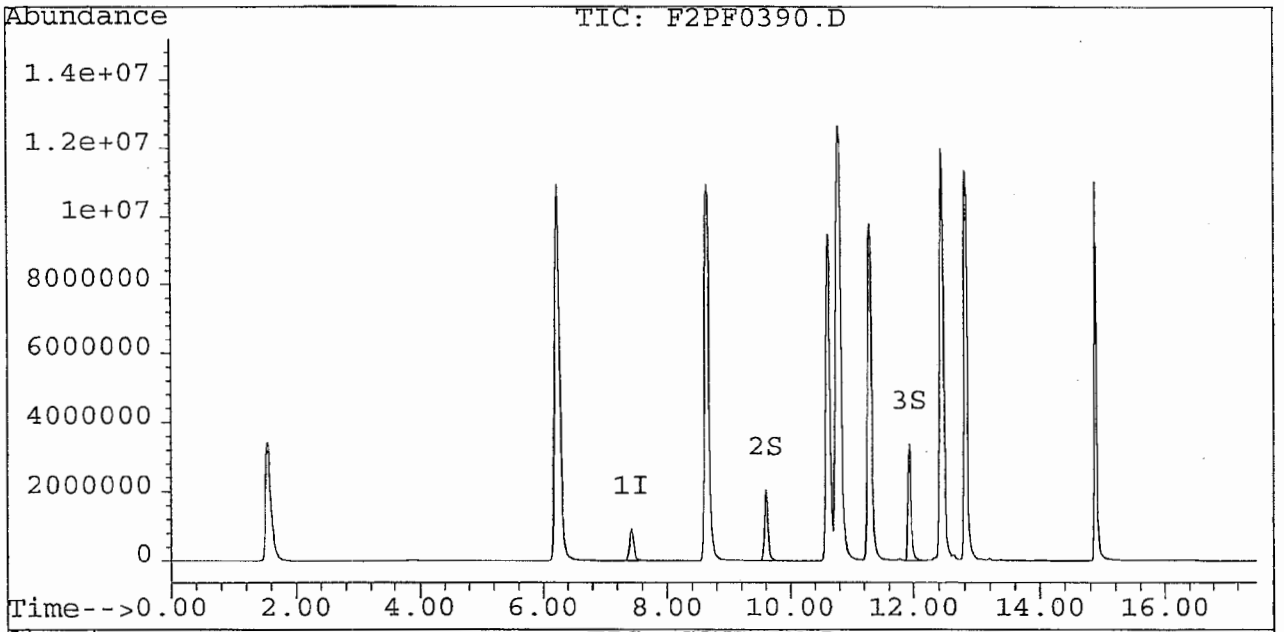
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0390.D PF061005.M Wed Jun 15 11:48:42 2005 GC_FUELS Page 1

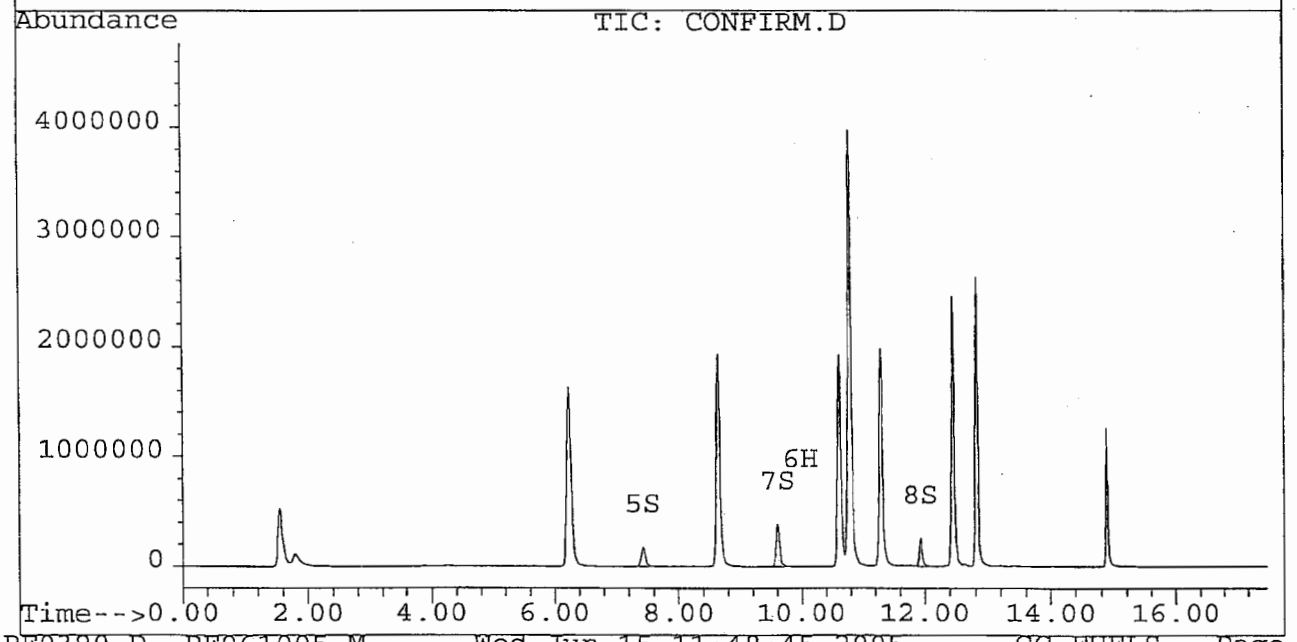
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0390.D Vial: 5
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0390.D\CONFIRM.D
Acq On : 10 Jun 05 02:56 PM Operator: FIELDING
Sample : IC8 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:09 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0391.D Vial: 6
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0391.D\CONFIRM.D
Acq On : 10 Jun 05 03:25 PM Operator: FIELDING
Sample : IC7 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:10 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.42	4366010	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.60	7238268	129.13 ppb
		Recovery =	129.13%
3) S BFB	11.93	11188686	118.26 ppb
		Recovery =	118.26%
5) S TFT #2	7.43	841919	108.58 ppb
		Recovery =	108.58%
7) S 2,3,4, -TFT #2	9.60	1375247	140.50 ppb
		Recovery =	140.50%
8) S BFB #2	11.94	738378	140.31 ppb
		Recovery =	140.31%
Target Compounds			
6) H TVPH #2	10.00	44871779	3.98 ppm

6/15/05

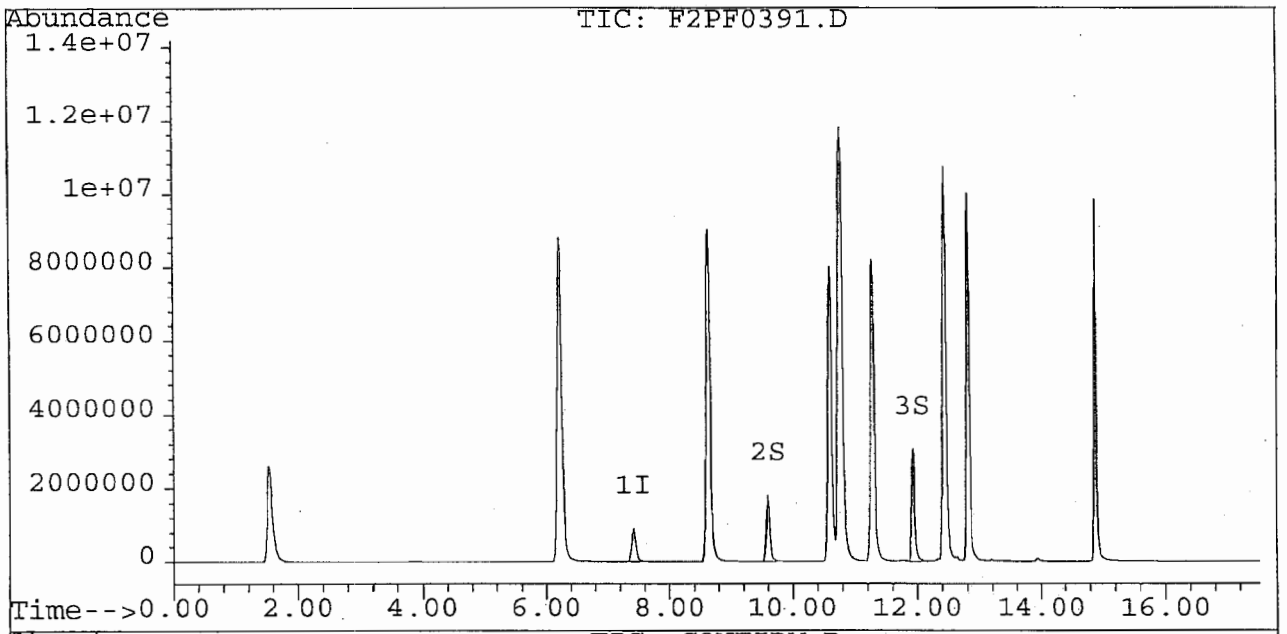
(f)=RT Delta > 1/2 Window (m)=manual int.

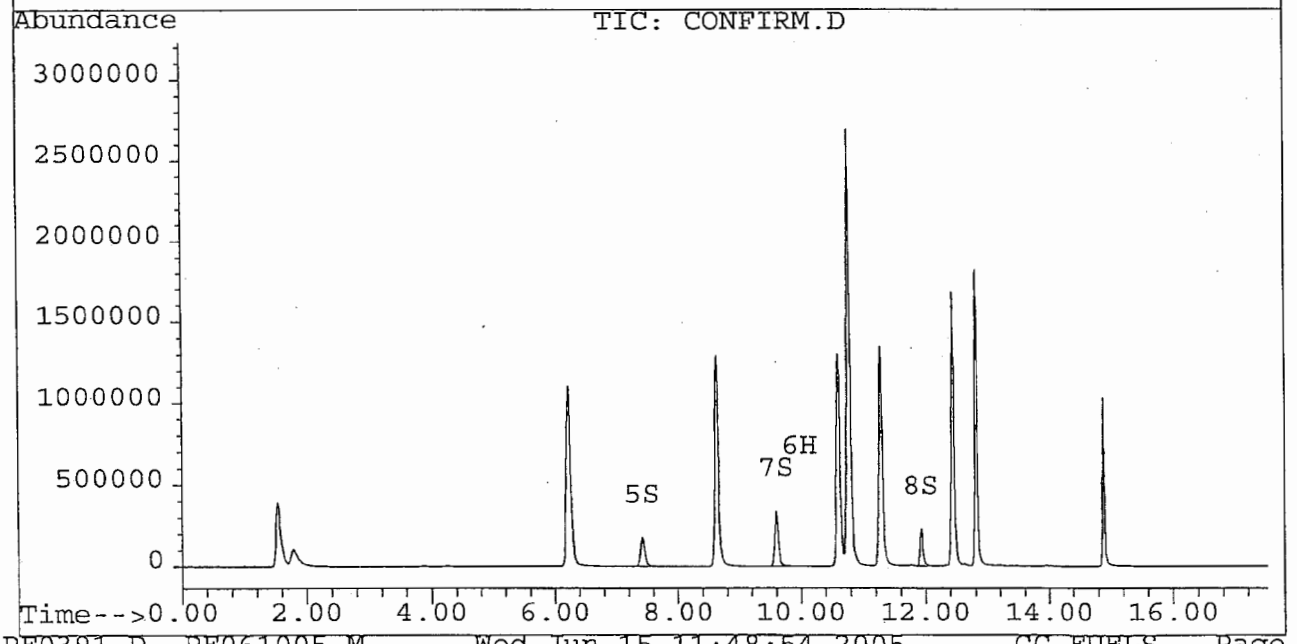
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0391.D Vial: 6
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0391.D\CONFIRM.D
Acq On : 10 Jun 05 03:25 PM Operator: FIELDING
Sample : IC7 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:10 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0392.D Vial: 7
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0392.D\CONFIRM.D
Acq On : 10 Jun 05 03:52 PM Operator: FIELDING
Sample : IC6 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:10 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.42	4481198	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.60	6484072	112.70 ppb
	Recovery	=	112.70%
3) S BFB	11.93	10314644	106.22 ppb
	Recovery	=	106.22%
5) S TFT #2	7.42	851201	109.78 ppb
	Recovery	=	109.78%
7) S 2,3,4, -TFT #2	9.60	1210162	123.63 ppb
	Recovery	=	123.63%
8) S BFB #2	11.94	656548	124.76 ppb
	Recovery	=	124.76%
Target Compounds			
6) H TVPH #2	10.00	22982055	2.09 ppm

8
6/15/05

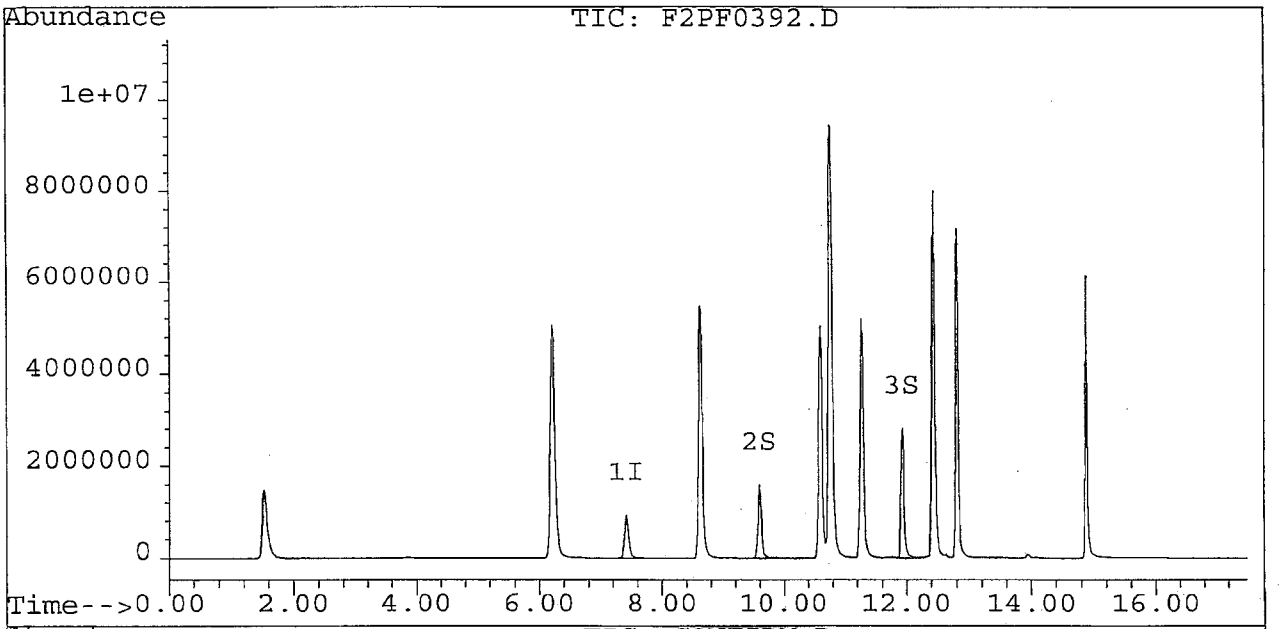
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0392.D PF061005.M Wed Jun 15 11:48:57 2005 GC_FUELS Page 1

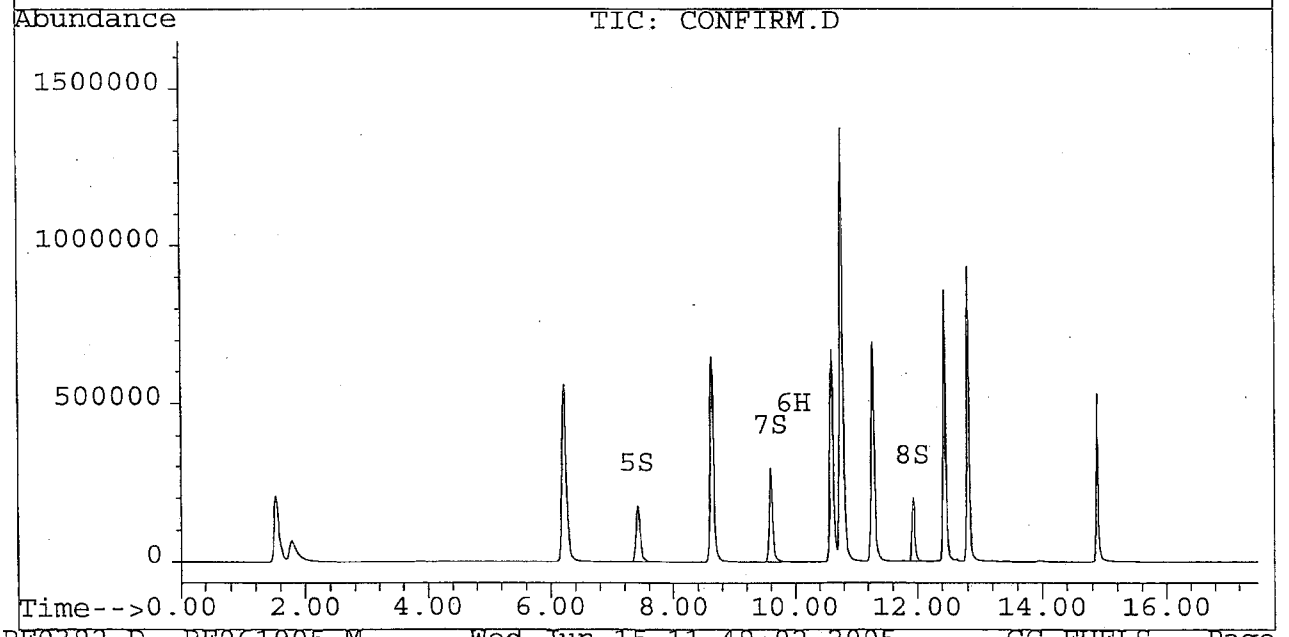
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0392.D Vial: 7
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0392.D\CONFIRM.D
Acq On : 10 Jun 05 03:52 PM Operator: FIELDING
Sample : IC6 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:10 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0393.D Vial: 8
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0393.D\CONFIRM.D
Acq On : 10 Jun 05 04:20 PM Operator: FIELDING
Sample : IC5 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:10 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.42	4165687	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.60	5672548	106.07 ppb
	Recovery	=	106.07%
3) S BFB	11.93	9096014	100.77 ppb
	Recovery	=	100.77%
5) S TFT #2	7.42	789910	101.87 ppb
	Recovery	=	101.87%
7) S 2,3,4, -TFT #2	9.60	1053793	107.66 ppb
	Recovery	=	107.66%
8) S BFB #2	11.94	561153	106.63 ppb
	Recovery	=	106.63%
Target Compounds			
6) H TVPH #2	10.00	11472589	1.05 ppm

δ
6/15/05

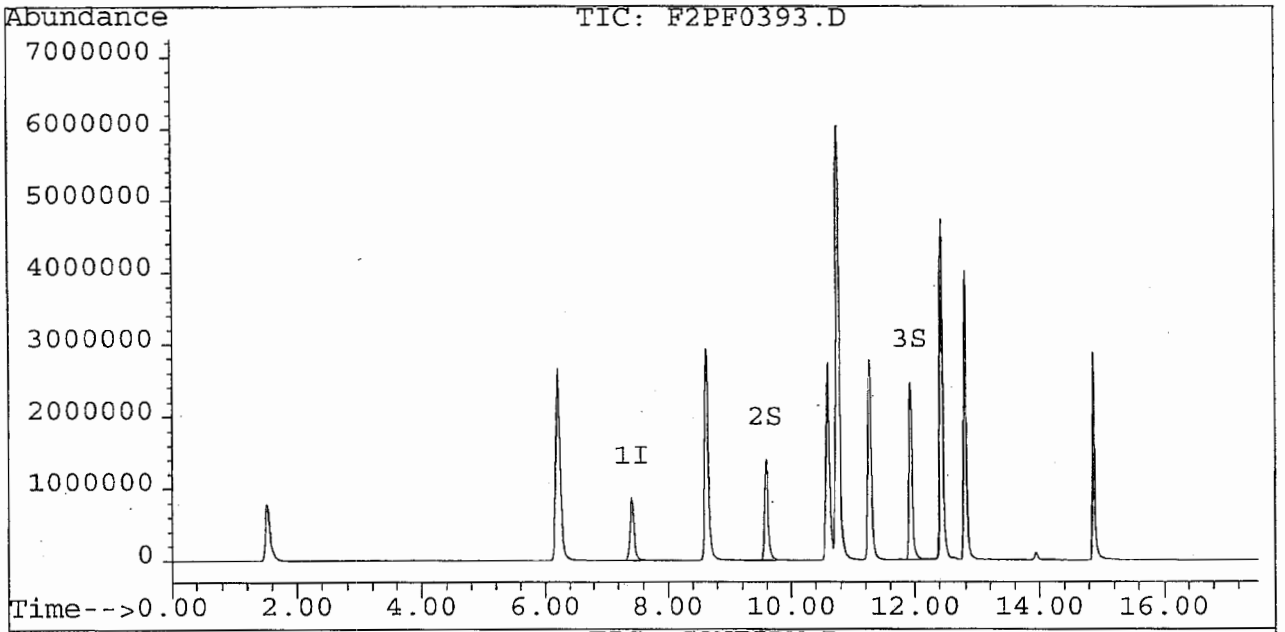
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0393.D PF061005.M Wed Jun 15 11:49:06 2005 GC_FUELS Page 1

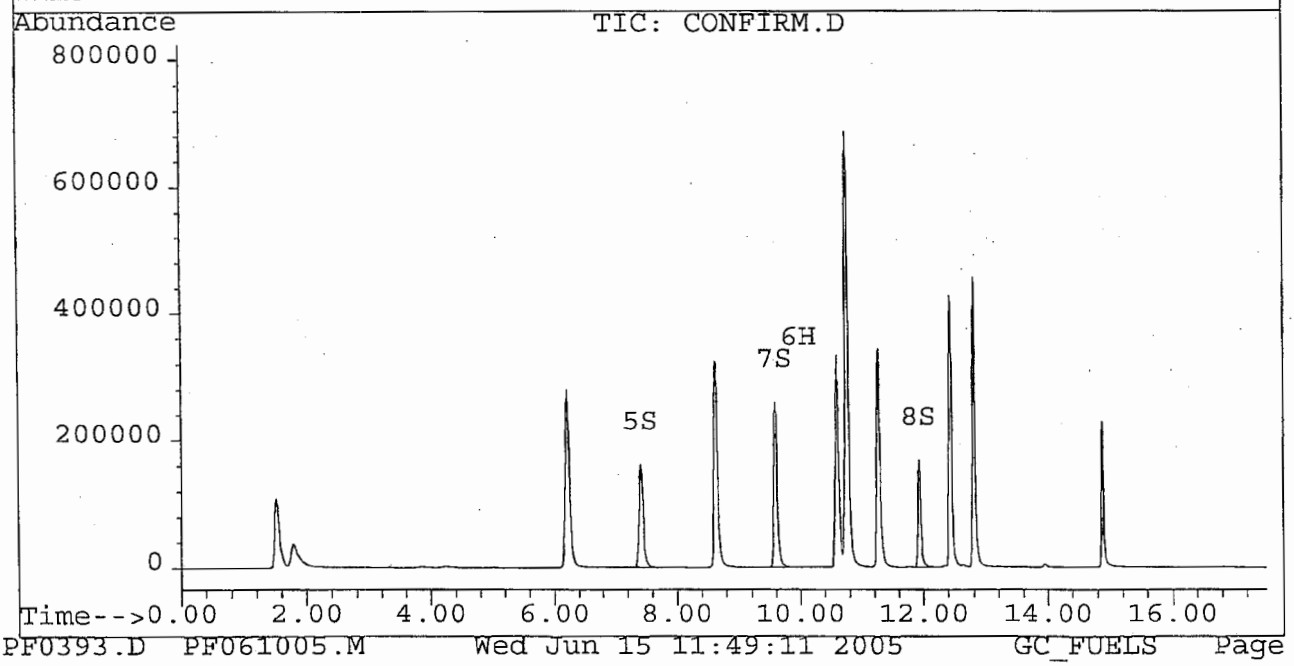
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0393.D Vial: 8
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0393.D\CONFIRM.D
Acq On : 10 Jun 05 04:20 PM Operator: FIELDING
Sample : IC5 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:10 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0394.D Vial: 9
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0394.D\CONFIRM.D
Acq On : 10 Jun 05 04:48 PM Operator: FIELDING
Sample : IC4 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:10 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.42	4169382	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.60	4691328	87.64 ppb
	Recovery	=	87.64%
3) S BFB	11.93	7772215	86.02 ppb
	Recovery	=	86.02%
5) S TFT #2	7.42	784270	101.15 ppb
	Recovery	=	101.15%
7) S 2,3,4, -TFT #2	9.60	865929	88.47 ppb
	Recovery	=	88.47%
8) S BFB #2	11.94	454991	86.46 ppb
	Recovery	=	86.46%
Target Compounds			
6) H TVPH #2	10.00	5983177	0.54 ppm

6/15/05

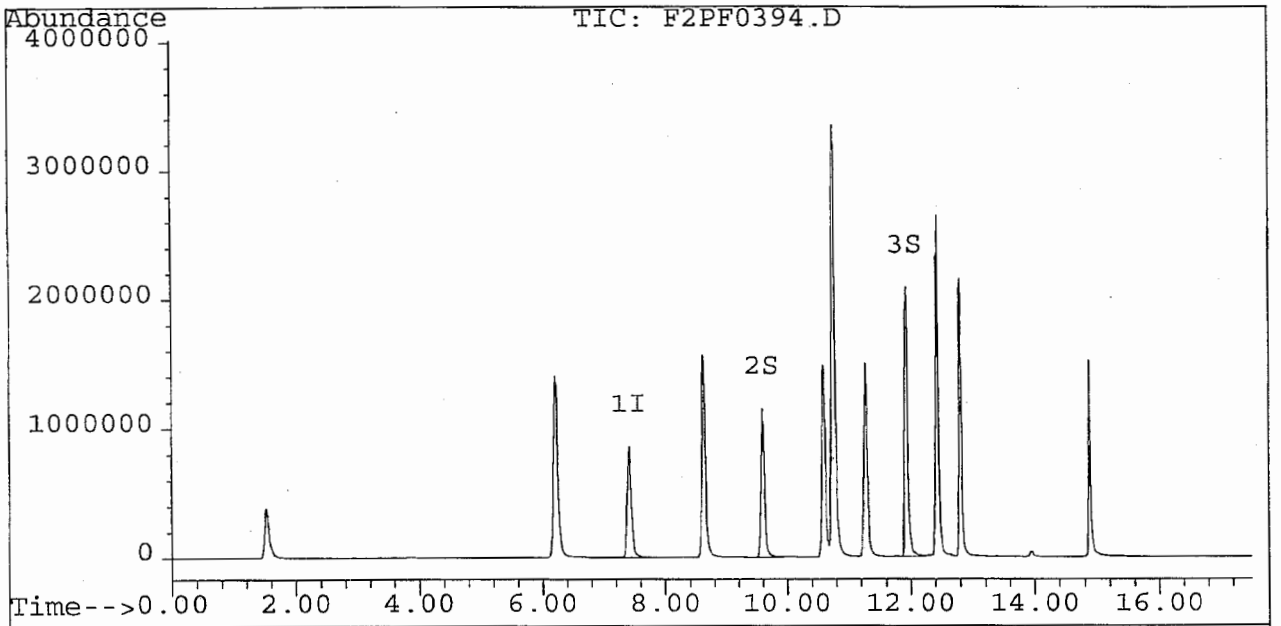
(f)=RT Delta > 1/2 Window (m)=manual int.

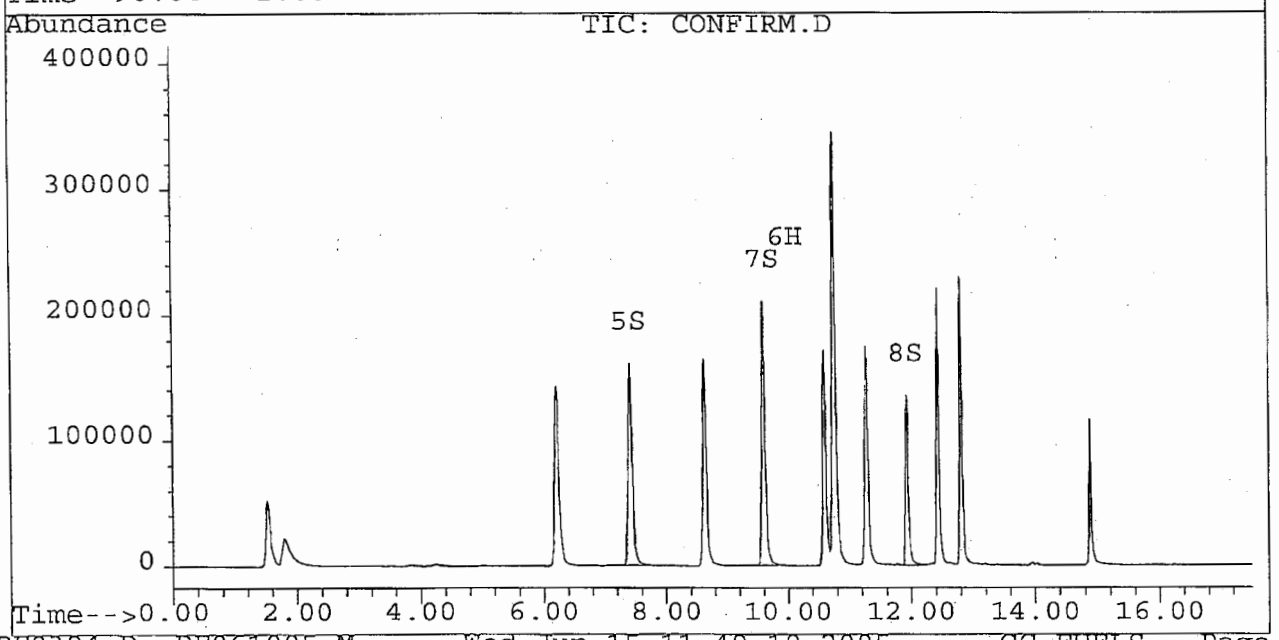
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0394.D Vial: 9
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0394.D\CONFIRM.D
Acq On : 10 Jun 05 04:48 PM Operator: FIELDING
Sample : IC4 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:10 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0396.D Vial: 11
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0396.D\CONFIRM.D
Acq On : 10 Jun 05 05:43 PM Operator: FIELDING
Sample : IC2 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:11 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.42	4210499	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.60	2310730	42.75 ppb
	Recovery	=	42.75%
3) S BFB	11.93	4303743	47.17 ppb
	Recovery	=	47.17%
5) S TFT #2	7.42	796672	102.75 ppb
	Recovery	=	102.75%
7) S 2,3,4, -TFT #2	9.60	423228	43.24 ppb
	Recovery	=	43.24%
8) S BFB #2	11.94	226177	42.98 ppb
	Recovery	=	42.98%
Target Compounds			
6) H TVPH #2	10.00	1333262	0.11 ppm

δ
6/15/05

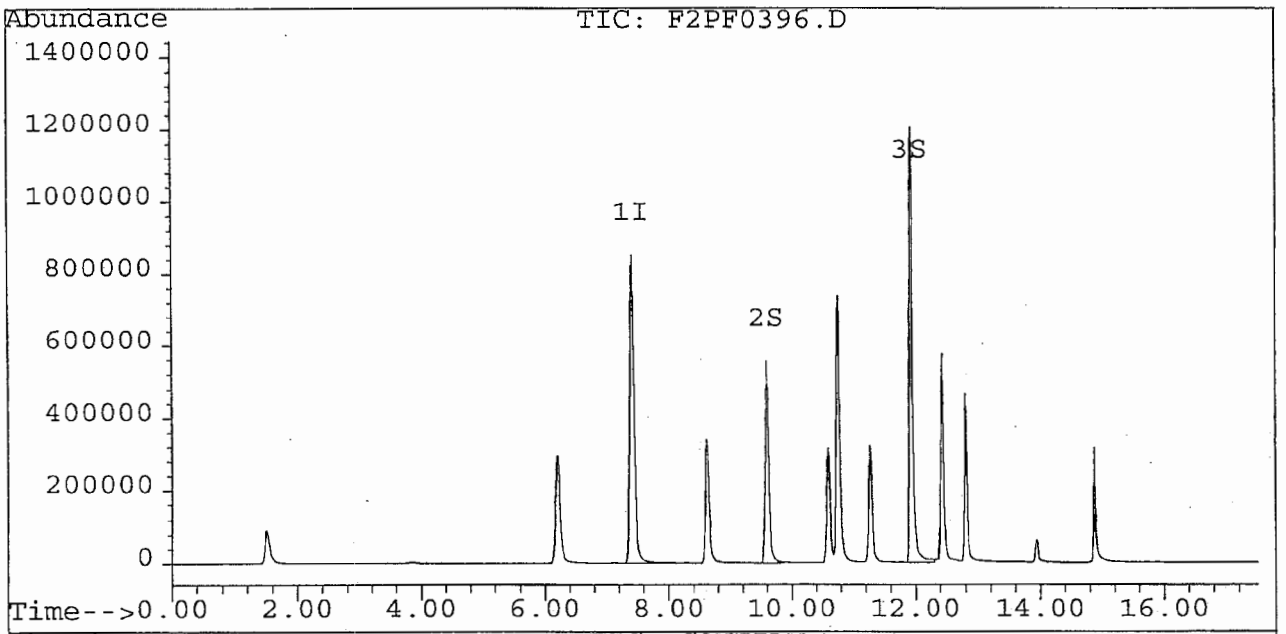
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0396.D PF061005.M Wed Jun 15 11:49:32 2005 GC_FUELS Page 1

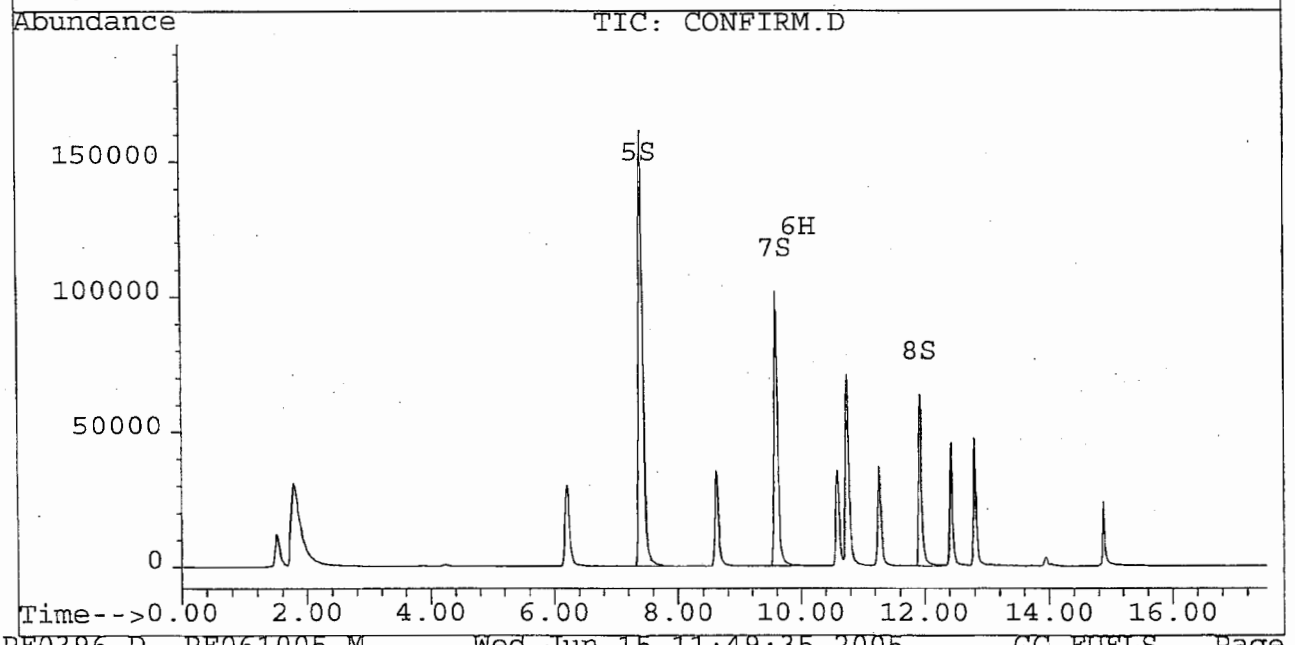
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0396.D Vial: 11
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0396.D\CONFIRM.D
Acq On : 10 Jun 05 05:43 PM Operator: FIELDING
Sample : IC2 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:11 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0397.D Vial: 12
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0397.D\CONFIRM.D
Acq On : 10 Jun 05 06:10 PM Operator: FIELDING
Sample : IC1 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:11 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.42	4121114	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.60	1270176	24.01 ppb
	Recovery	=	24.01%
3) S BFB	11.94	2287730	25.62 ppb
	Recovery	=	25.62%
5) S TFT #2	7.42	776986	100.21 ppb
	Recovery	=	100.21%
7) S 2,3,4, -TFT #2	9.60	231808	23.68 ppb
	Recovery	=	23.68%
8) S BFB #2	11.94	120269	22.85 ppb
	Recovery	=	22.85%
Target Compounds			
6) H TVPH #2	10.00	742964	0.06 ppm

δ
6/15/05

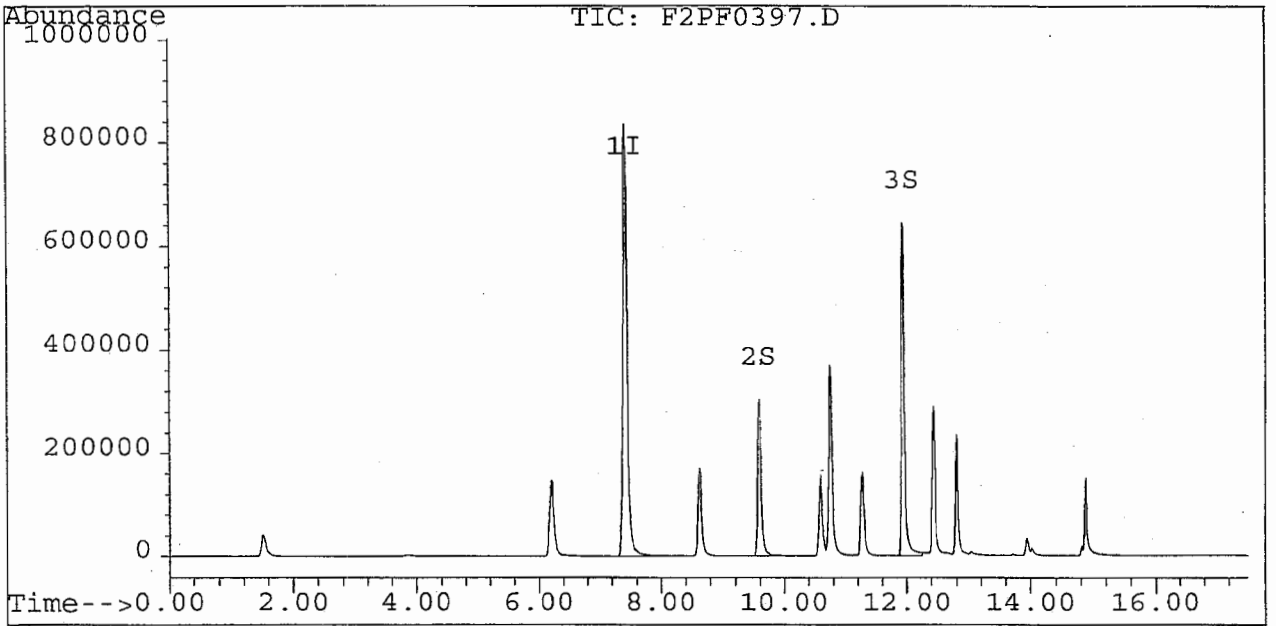
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0397.D PF061005.M Wed Jun 15 11:49:39 2005 GC_FUELS Page 1

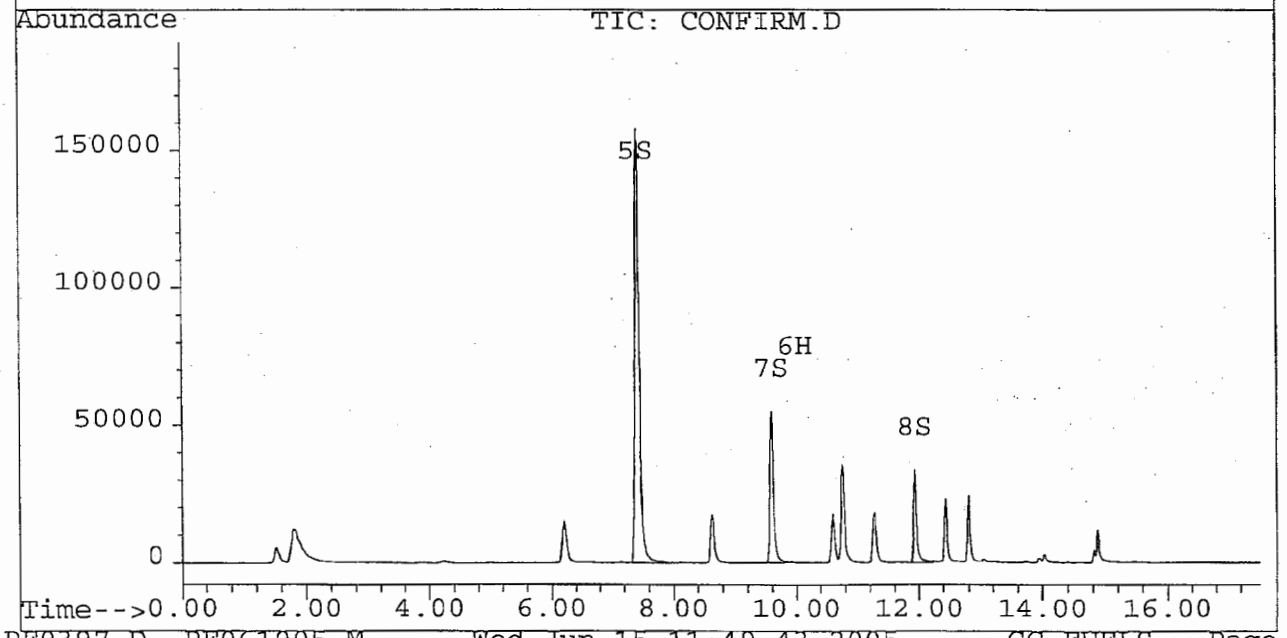
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0397.D Vial: 12
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0397.D\CONFIRM.D
Acq On : 10 Jun 05 06:10 PM Operator: FIELDING
Sample : IC1 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 12 14:11 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Mon Jun 13 14:25:08 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0399.D Vial: 14
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0399.D\CONFIRM.D
Acq On : 10 Jun 05 07:06 PM Operator: FIELDING
Sample : HCG050610-1LCS Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 15 15:31 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.42	4324516	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.60	5184033	90.74 ppb
Recovery		=	90.74%
3) S BFB	11.93	8703292	91.90 ppb
Recovery		=	91.90%
5) S TFT #2	7.43	814685	100.35 ppb
Recovery		=	100.35%
7) S 2,3,4, -TFT #2	9.60	963511	92.06 ppb
Recovery		=	92.06%
8) S BFB #2	11.94	538998	97.12 ppb
Recovery		=	97.12%
Target Compounds			
6) H TVPH #2	10.00	12459616	1.09 ppm

LCS to be used as ICV

5/16/05

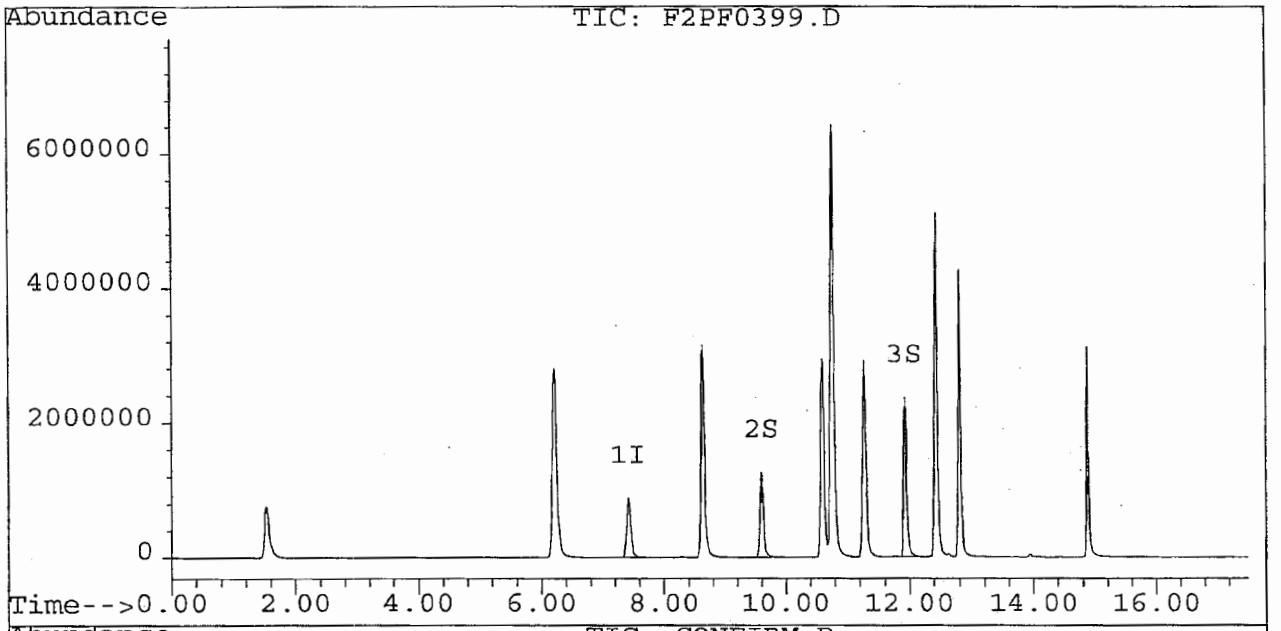
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0399.D PF061005.M Wed Jun 15 15:32:45 2005 GC_FUELS Page 1

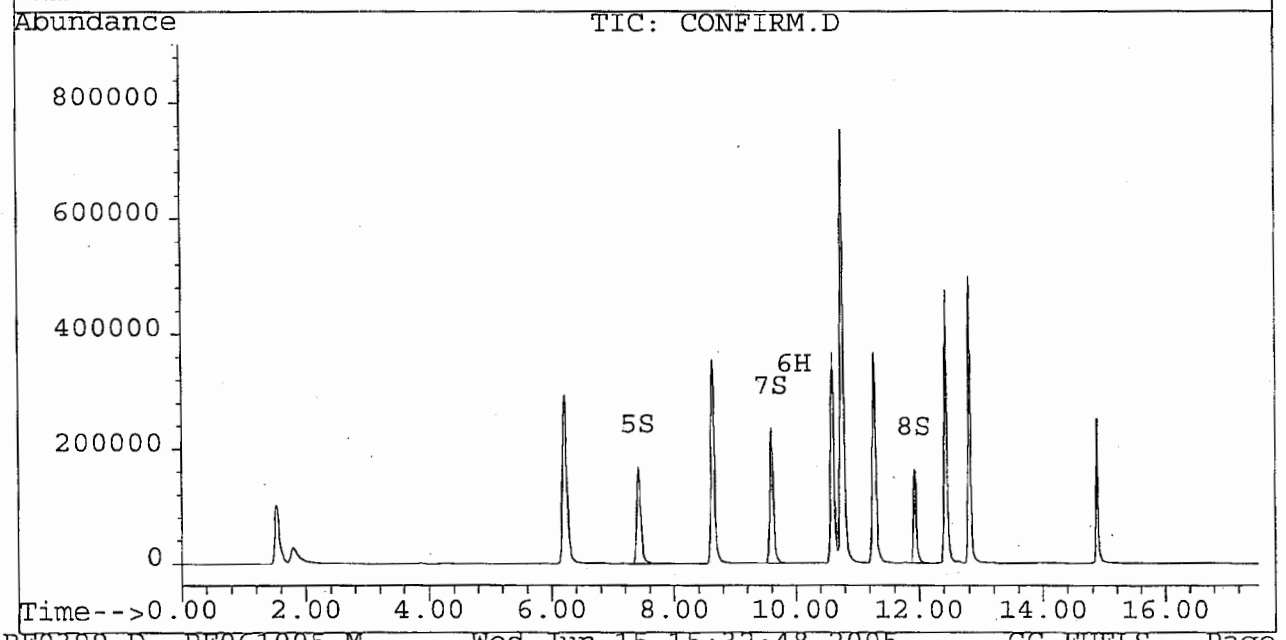
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06102005\F2PF0399.D Vial: 14
Signal #2 : C:\HPCHEM\6\DATA\06102005\F2PF0399.D\CONFIRM.D
Acq On : 10 Jun 05 07:06 PM Operator: FIELDING
Sample : HCG050610-1LCS Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 15 15:31 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0461.D Vial: 8
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0461.D\CONFIRM.D
Acq On : 27 Jun 05 09:21 AM Operator: FIELDING
Sample : CCV1 27JUN05 8015B Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:01 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.46	4009598	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.63	4991395	94.23 ppb
	Recovery	=	94.23%
3) S BFB	11.96	7960026	90.66 ppb
	Recovery	=	90.66%
5) S TFT #2	7.46	841815	103.69 ppb
	Recovery	=	103.69%
7) S 2,3,4, -TFT #2	9.64	1031323	98.54 ppb
	Recovery	=	98.54%
8) S BFB #2	11.96	548530	98.84 ppb
	Recovery	=	98.84%
Target Compounds			
6) H TVPH #2	10.00	12236759	1.07 ppm

S 6/28/05

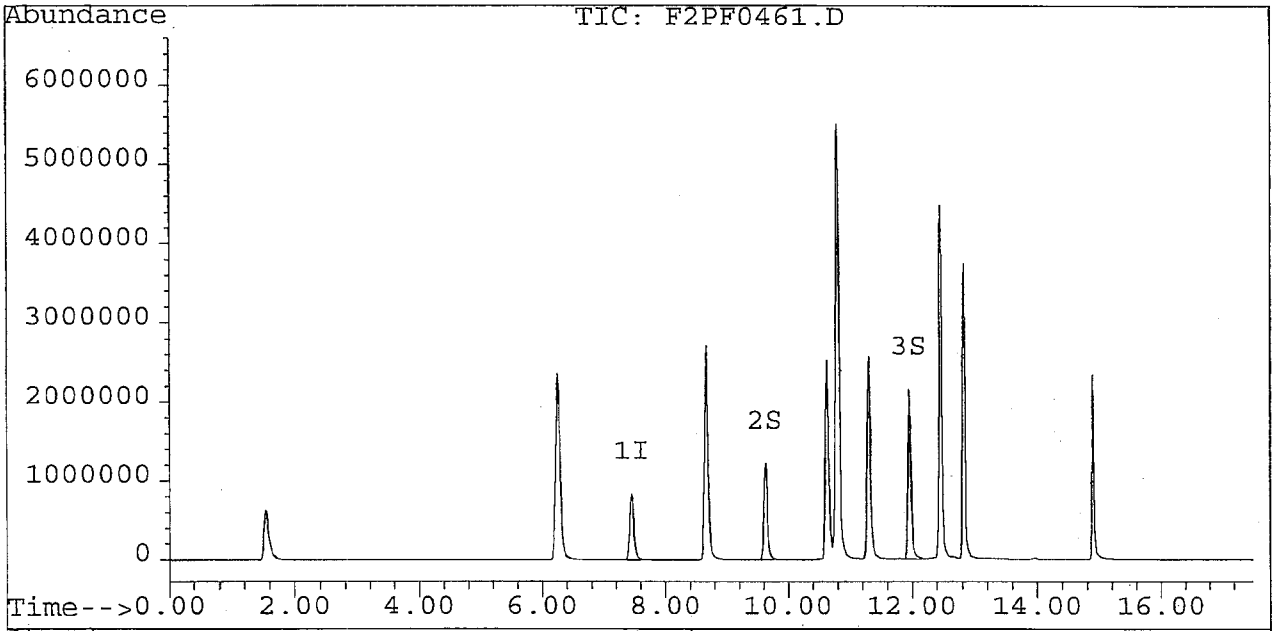
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0461.D PF061005.M Tue Jun 28 17:14:38 2005 GC_FUELS Page 1

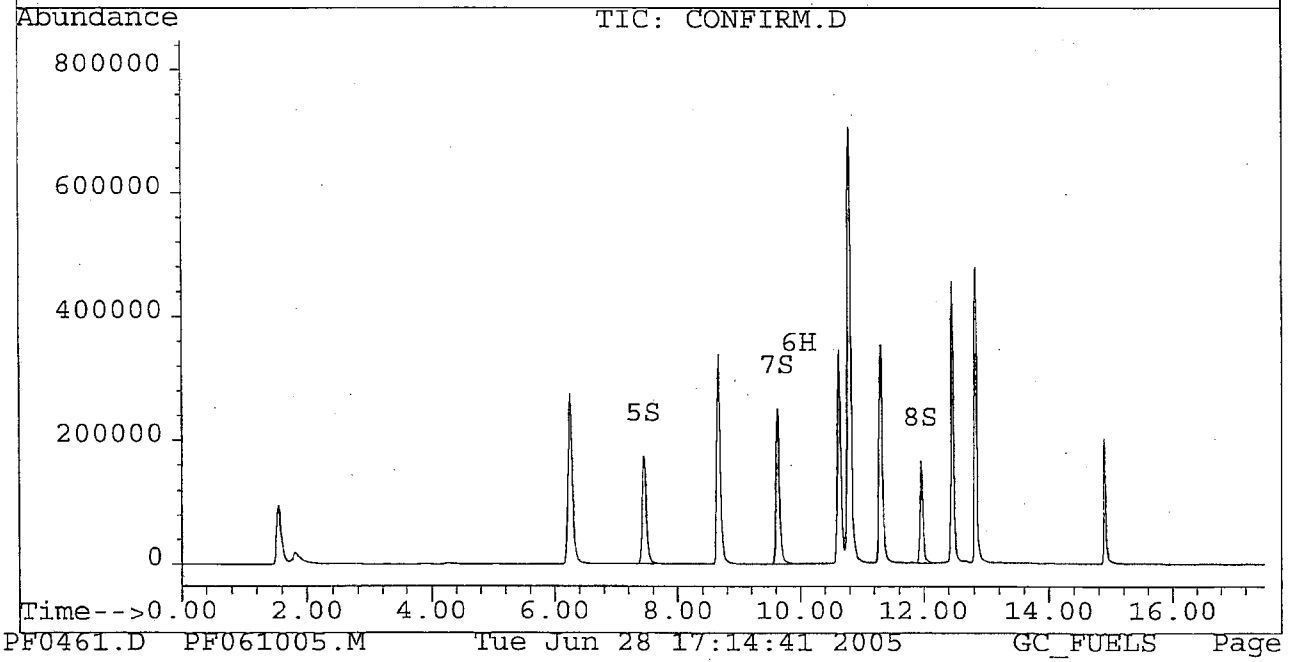
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0461.D Vial: 8
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0461.D\CONFIRM.D
Acq On : 27 Jun 05 09:21 AM Operator: FIELDING
Sample : CCV1 27JUN05 8015B Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:01 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0472.D Vial: 3
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0472.D\CONFIRM.D
Acq On : 27 Jun 05 02:52 PM Operator: FIELDING
Sample : CCV2 27JUN05 8015B Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 15:11 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	3992740	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.62	4927236	93.41 ppb
	Recovery	=	93.41%
3) S BFB	11.95	8045426	92.02 ppb
	Recovery	=	92.02%
5) S TFT #2	7.45	836998	103.10 ppb
	Recovery	=	103.10%
7) S 2,3,4, -TFT #2	9.63	1018759	97.34 ppb
	Recovery	=	97.34%
8) S BFB #2	11.96	553244	99.69 ppb
	Recovery	=	99.69%
Target Compounds			
6) H TVPH #2	10.00	11767155	1.03 ppm

S
6/28/05

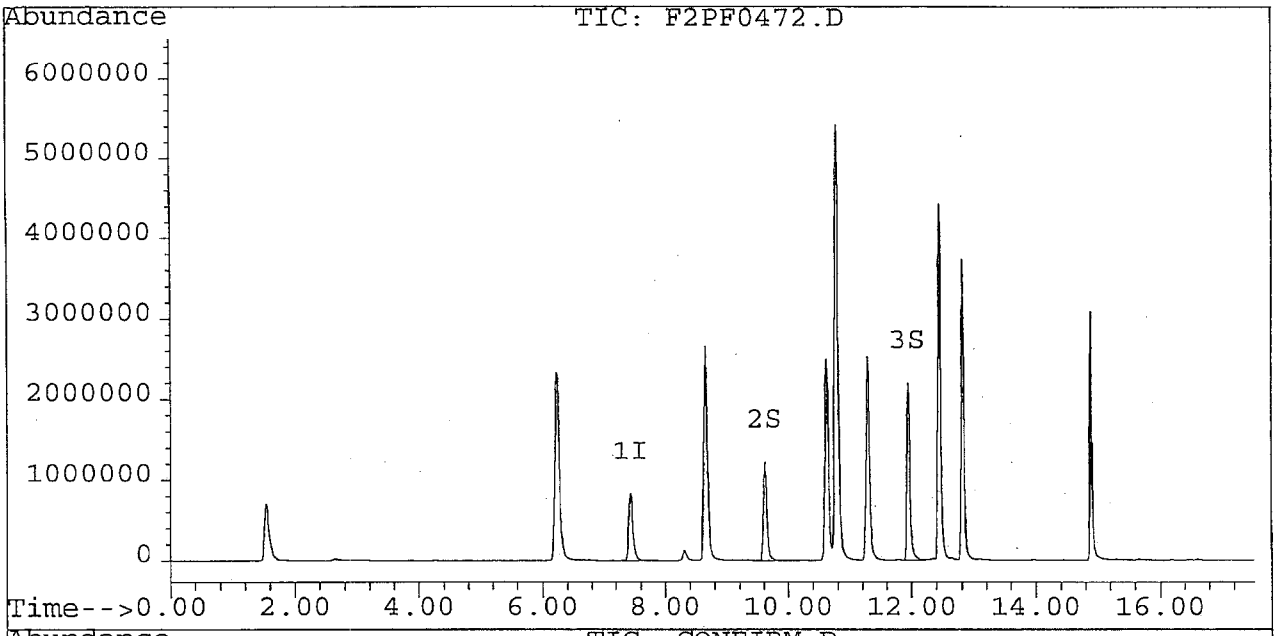
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0472.D PF061005.M Tue Jun 28 17:15:22 2005 GC_FUELS Page 1

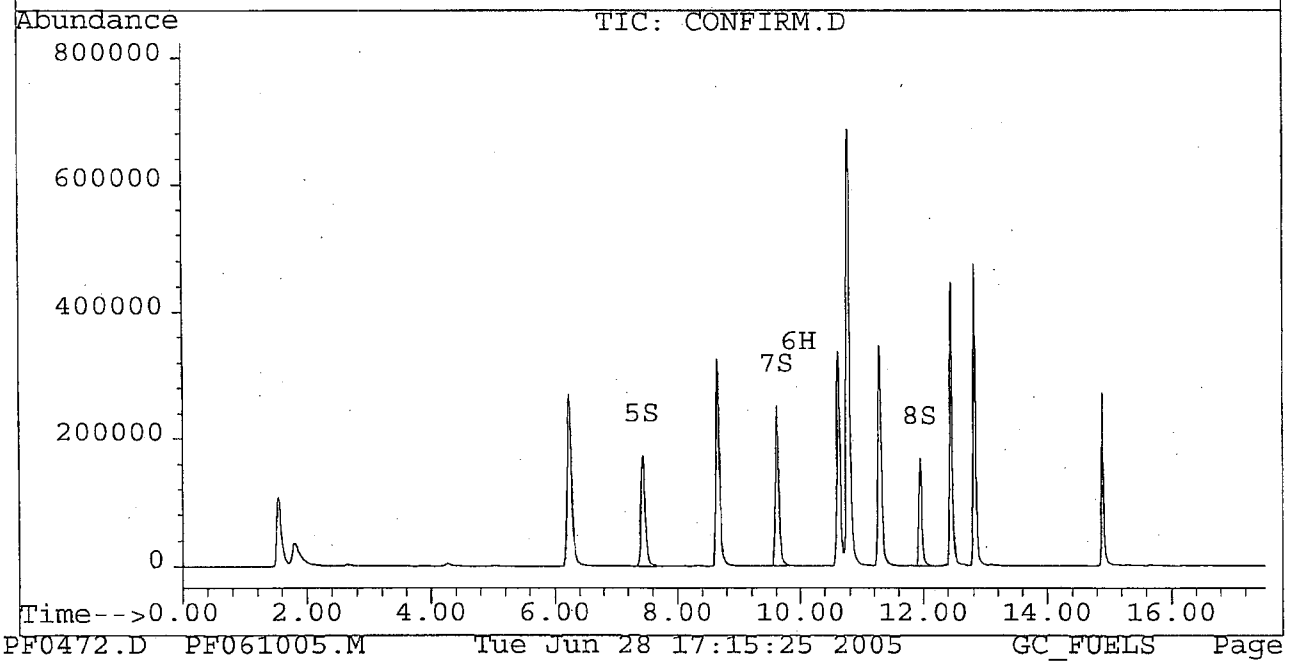
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0472.D Vial: 3
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0472.D\CONFIRM.D
Acq On : 27 Jun 05 02:52 PM Operator: FIELDING
Sample : CCV2 27JUN05 8015B Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 15:11 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0480.D Vial: 11
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0480.D\CONFIRM.D
Acq On : 27 Jun 05 06:41 PM Operator: FIELDING
Sample : CCV3 27JUN05 8015B Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 28 13:16 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	4289490	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.62	5249117	92.63 ppb
	Recovery	=	92.63%
3) S BFB	11.95	8199710	87.29 ppb
	Recovery	=	87.29%
5) S TFT #2	7.45	895380	110.29 ppb
	Recovery	=	110.29%
7) S 2,3,4, -TFT #2	9.62	1079266	103.12 ppb
	Recovery	=	103.12%
8) S BFB #2	11.95	561205	101.12 ppb
	Recovery	=	101.12%
Target Compounds			
6) H TVPH #2	10.00	10825110	0.94 ppm

δ
6/28/05

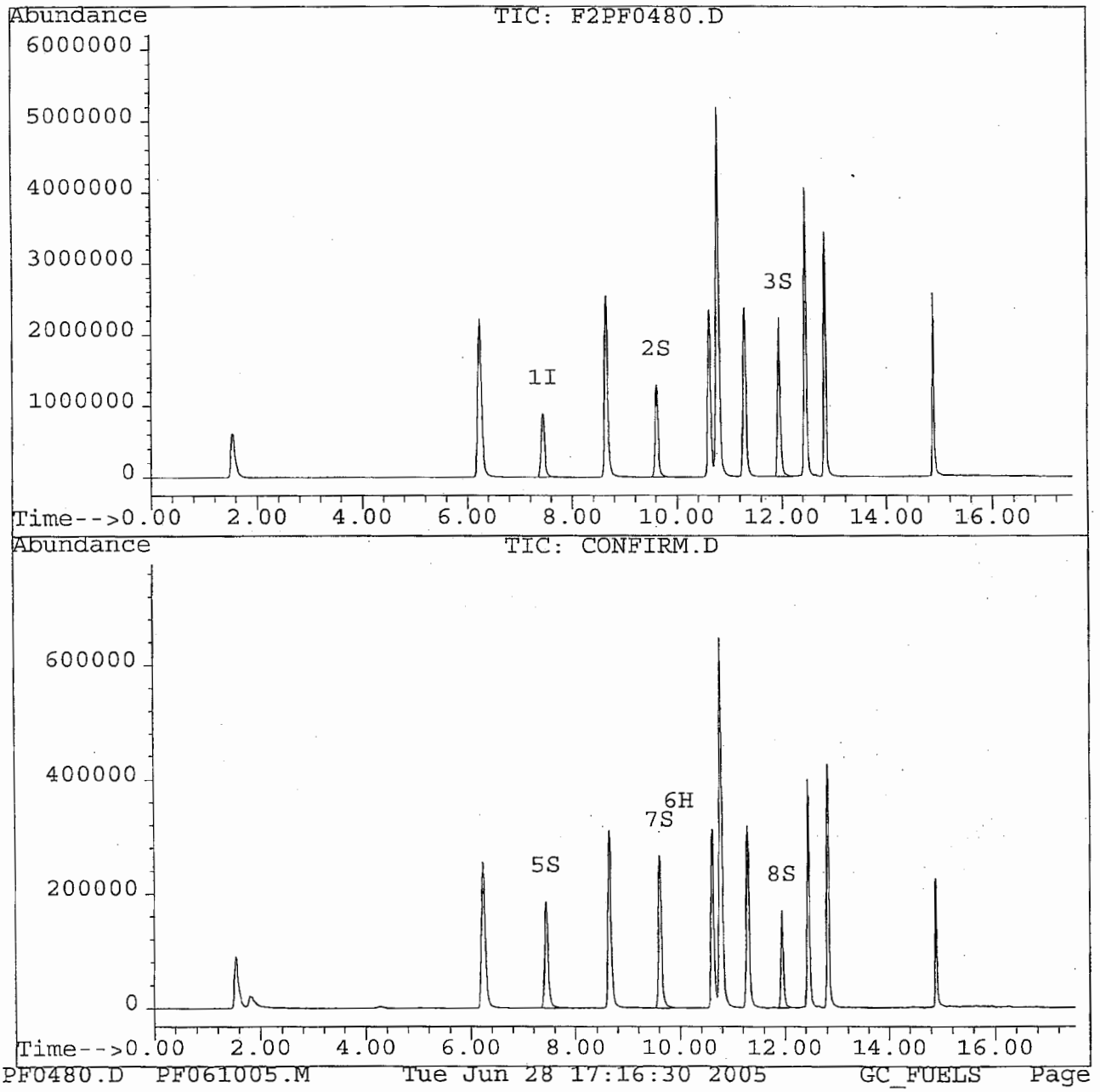
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0480.D PF061005.M Tue Jun 28 17:16:27 2005 GC_FUELS Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0480.D Vial: 11
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0480.D\CONFIRM.D
Acq On : 27 Jun 05 06:41 PM Operator: FIELDING
Sample : CCV3 27JUN05 8015B Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 28 13:16 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID



Sample Raw Data

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0464.D Vial: 11
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0464.D\CONFIRM.D
Acq On : 27 Jun 05 10:55 AM Operator: FIELDING
Sample : HCG050627-2MB Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:02 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	3926467	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.62	4915101	94.75 ppb
	Recovery	=	94.75%
3) S BFB	11.95	7905814	91.95 ppb
	Recovery	=	91.95%
5) S TFT #2	7.45	844243	103.99 ppb
	Recovery	=	103.99%
7) S 2,3,4, -TFT #2	9.62	1019867	97.45 ppb
	Recovery	=	97.45%
8) S BFB #2	11.96	536624	96.69 ppb
	Recovery	=	96.69%
Target Compounds			
6) H TVPH #2	10.00	514161	N.D. ppm

7/1/05

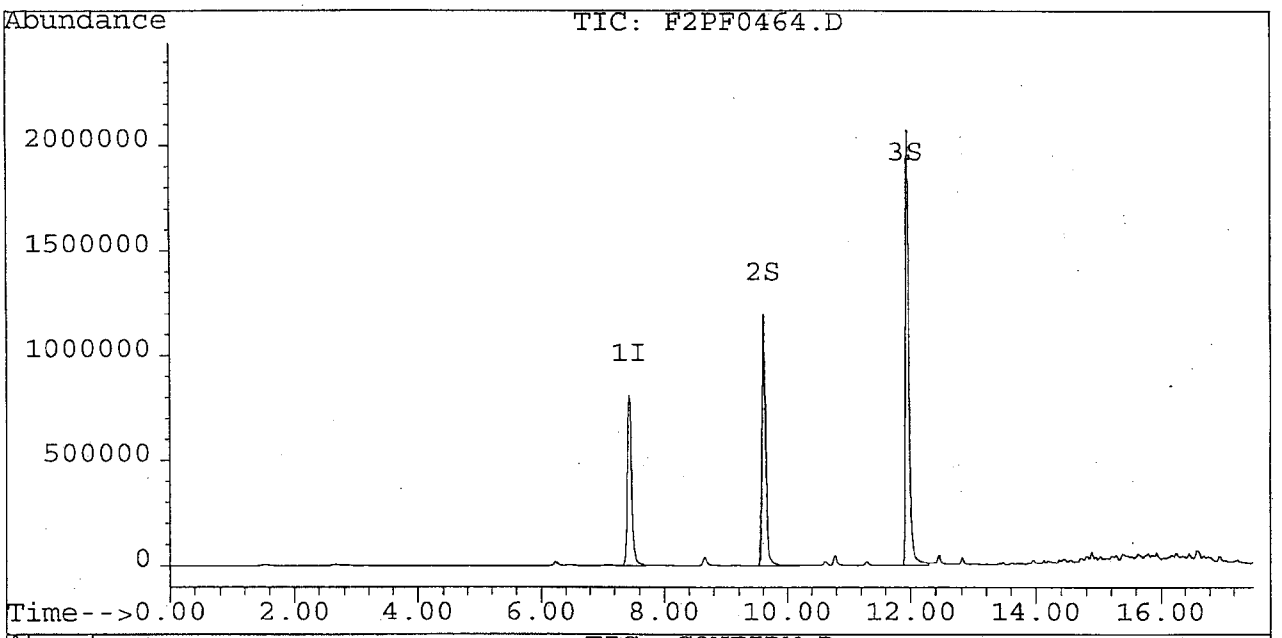
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0464.D PF061005.M Fri Jul 01 10:16:20 2005 GC_FUELS Page 1

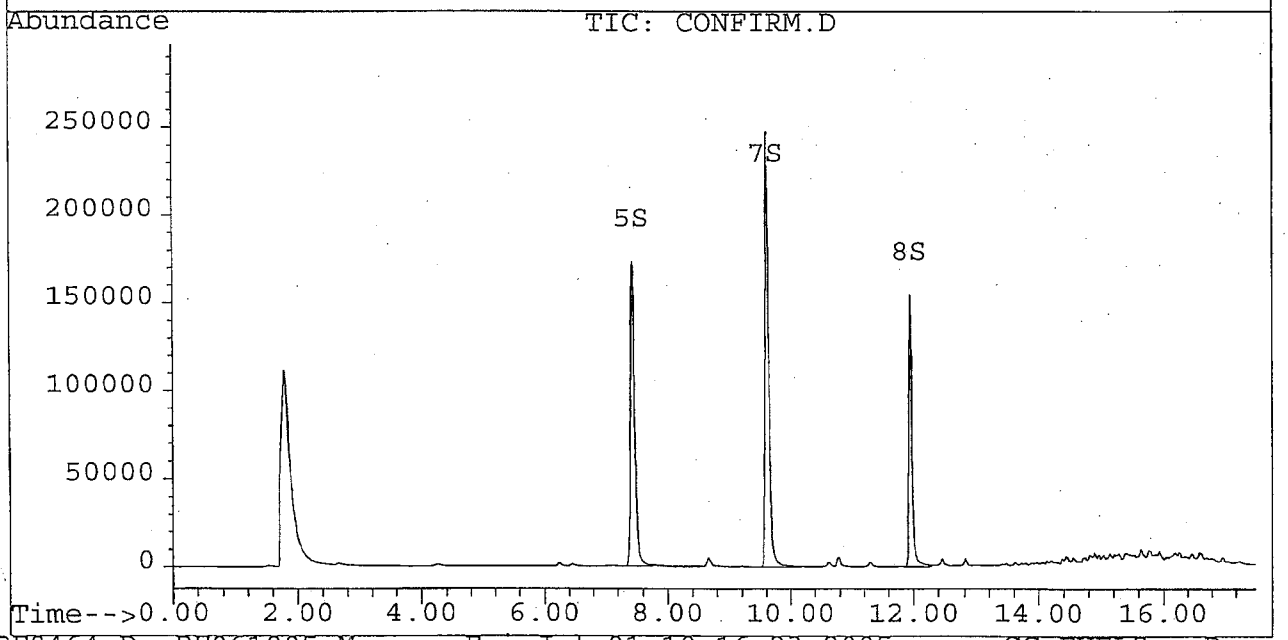
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0464.D Vial: 11
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0464.D\CONFIRM.D
Acq On : 27 Jun 05 10:55 AM Operator: FIELDING
Sample : HCG050627-2MB Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:02 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0465.D Vial: 12
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0465.D\CONFIRM.D
Acq On : 27 Jun 05 11:36 AM Operator: FIELDING
Sample : 0506217-1 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:02 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.45	2980012	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.63	3544533	90.03 ppb
	Recovery	=	90.03%
3) S BFB	11.96	5062867	~~77.58~~ ppb
	Recovery	=	77.58%
5) S TFT #2	7.45	627968	77.35 ppb
	Recovery	=	77.35%
7) S 2,3,4, -TFT #2	9.63	722644	69.05 ppb
	Recovery	=	69.05%
8) S BFB #2	11.97	331551	59.74 ppb
	Recovery	=	59.74%
Target Compounds			
6) H TVPH #2	10.00	13897197	1.22 ppm H.Z

δ
6/28/05

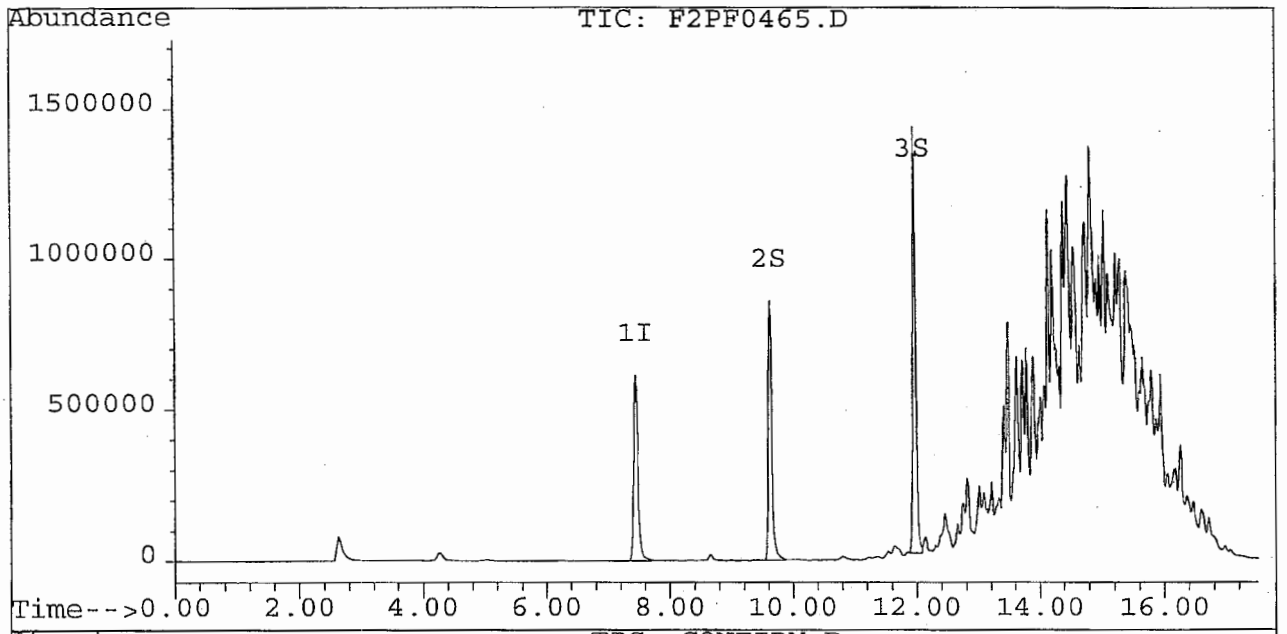
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0465.D PF061005.M Mon Jun 27 14:02:33 2005 GC_FUELS Page 1

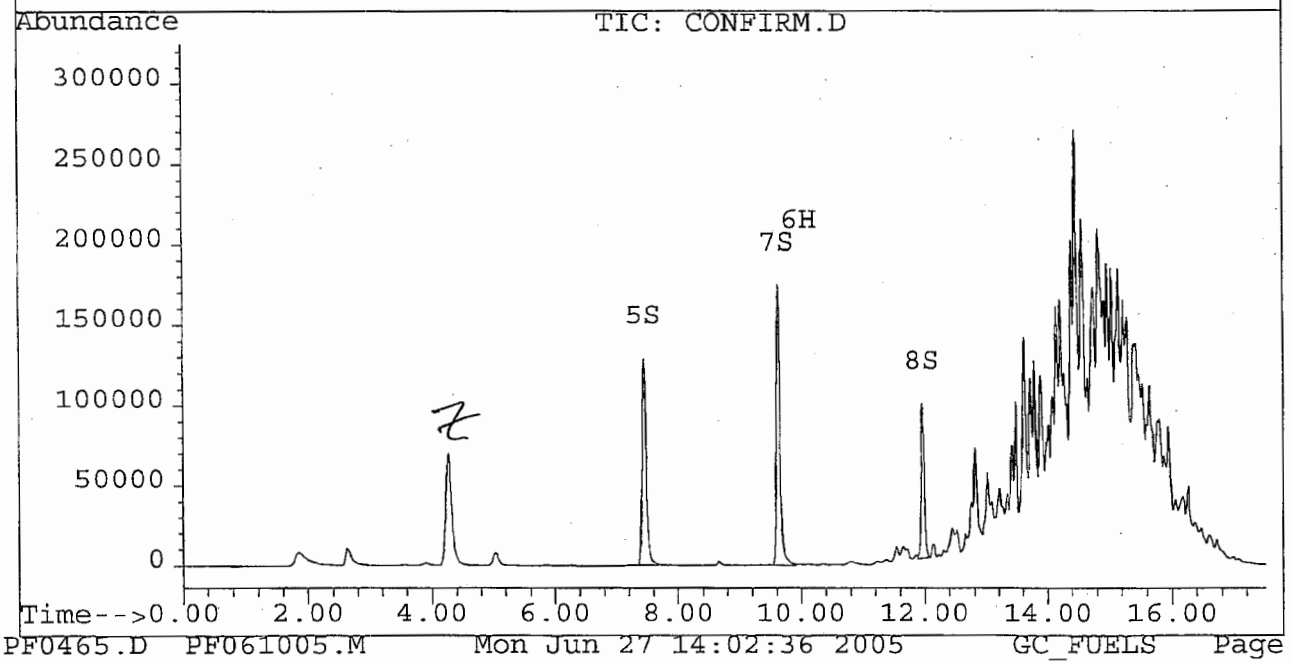
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0465.D Vial: 12
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0465.D\CONFIRM.D
Acq On : 27 Jun 05 11:36 AM Operator: FIELDING
Sample : 0506217-1 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:02 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0467.D Vial: 14
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0467.D\CONFIRM.D
Acq On : 27 Jun 05 12:31 PM Operator: FIELDING
Sample : 0506217-3 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:02 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.45	2785916	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.63	3599027	97.79 ppb
	Recovery	=	97.79%
3) S BFB	11.96	5529063	90.63 ppb
	Recovery	=	90.63%
5) S TFT #2	7.45	644146	79.34 ppb
	Recovery	=	79.34%
7) S 2,3,4, -TFT #2	9.64	811118	77.50 ppb
	Recovery	=	77.50%
8) S BFB #2	11.98	511178	92.11 ppb
	Recovery	=	92.11%
Target Compounds			
6) H TVPH #2	10.00	52673359	4.78 ppm

H
6/28

6/28/05

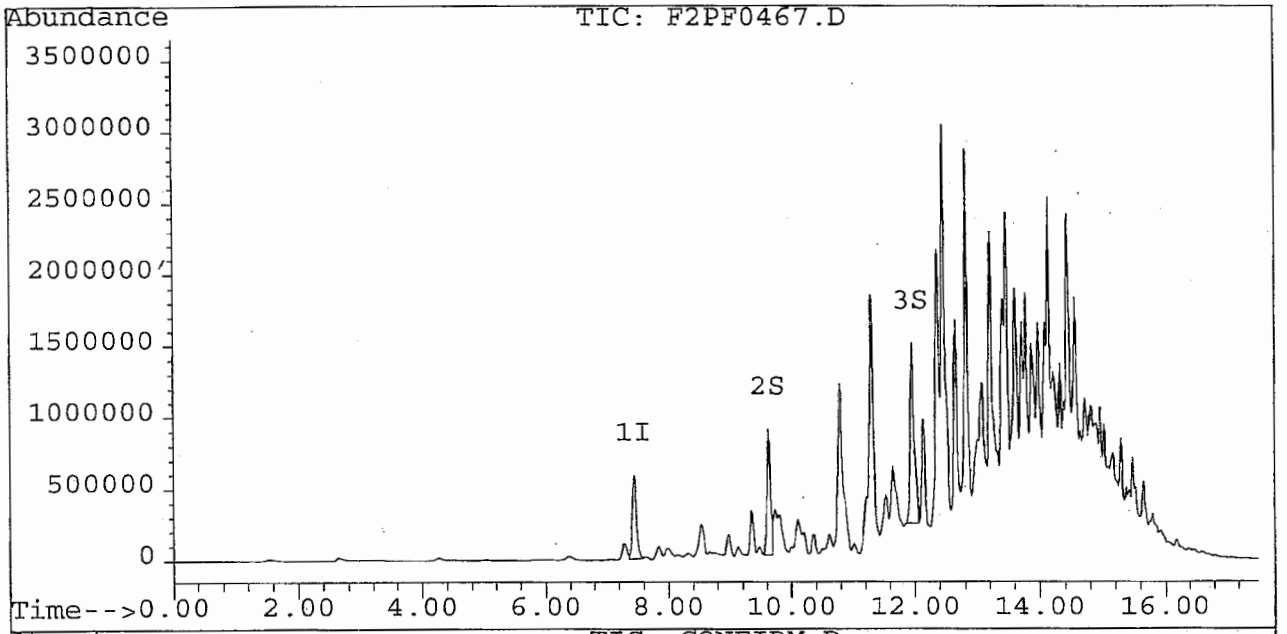
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0467.D PF061005.M Mon Jun 27 14:02:53 2005 GC_FUELS Page 1

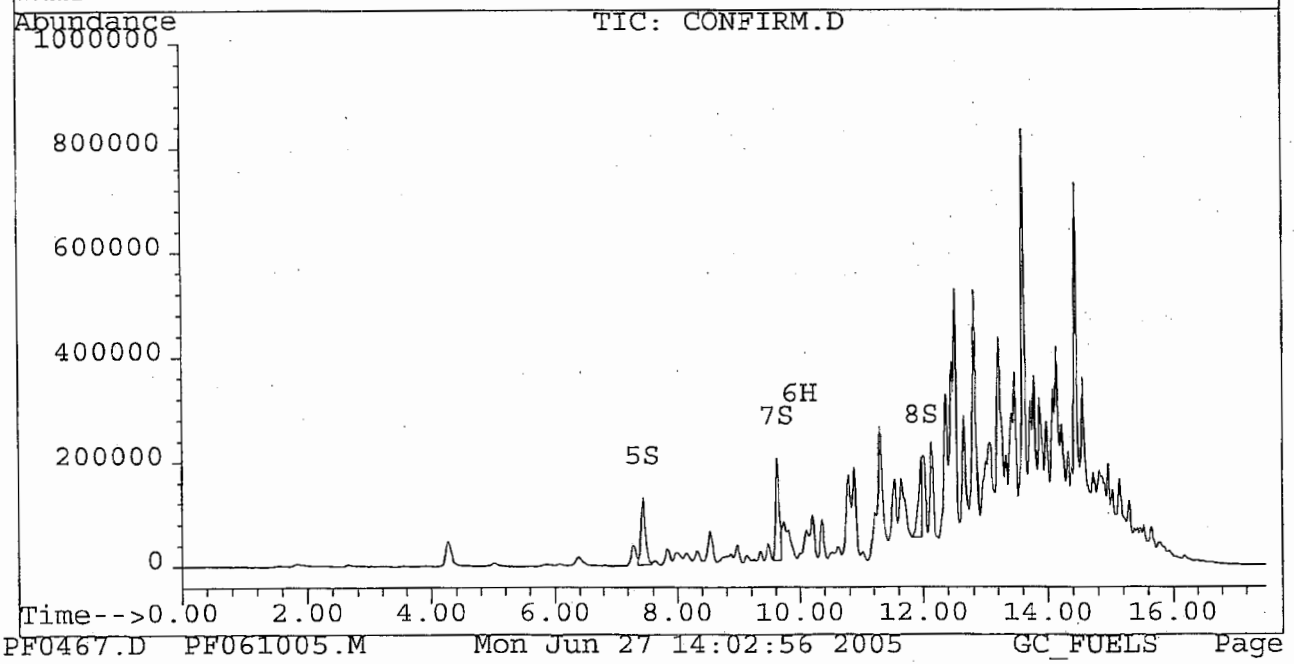
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0467.D Vial: 14
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0467.D\CONFIRM.D
Acq On : 27 Jun 05 12:31 PM Operator: FIELDING
Sample : 0506217-3 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:02 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0468.D Vial: 15
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0468.D\CONFIRM.D
Acq On : 27 Jun 05 12:59 PM Operator: FIELDING
Sample : 0506217-4 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:03 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	2293743	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.62	2653434	87.56 ppb
	Recovery	=	87.56%
3) S BFB	11.95	4462656	88.85 ppb
	Recovery	=	88.85%
5) S TFT #2	7.45	502630	61.91 ppb
	Recovery	=	61.91%
7) S 2,3,4, -TFT #2	9.63	557321	53.25 ppb
	Recovery	=	53.25%
8) S BFB #2	11.96	271587	48.94 ppb
	Recovery	=	48.94%
Target Compounds			
6) H TVPH #2	10.00	273090	N.D. ppm

δ
6/28/05

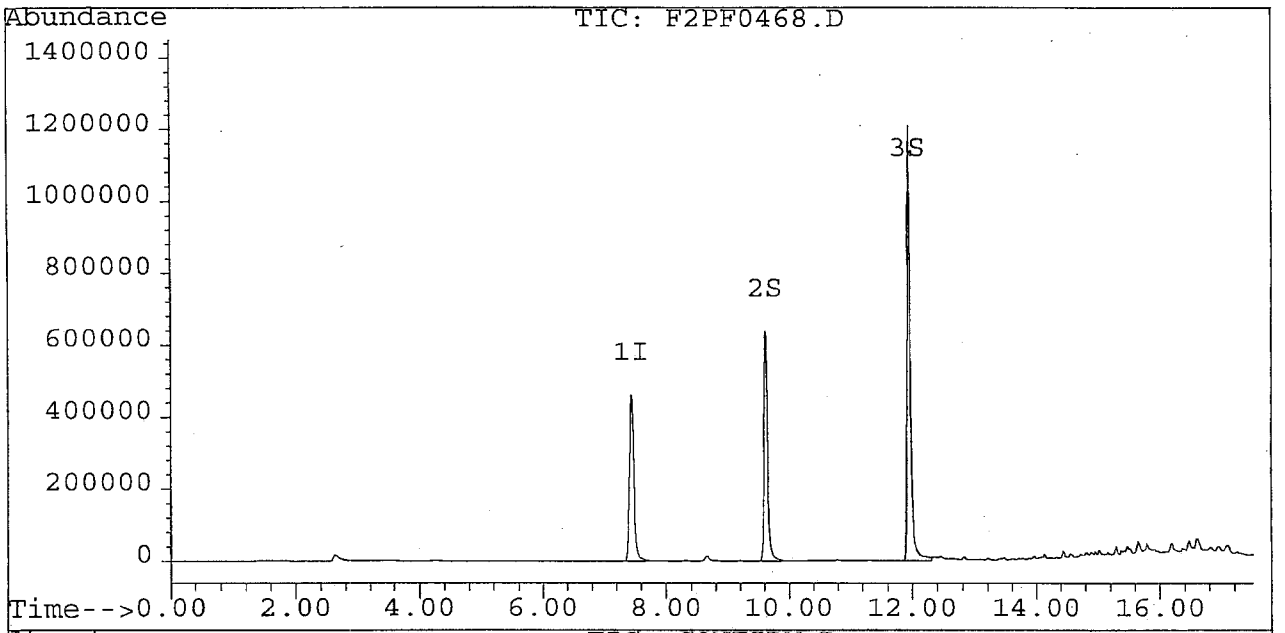
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0468.D PF061005.M Mon Jun 27 14:03:04 2005 GC_FUELS Page 1

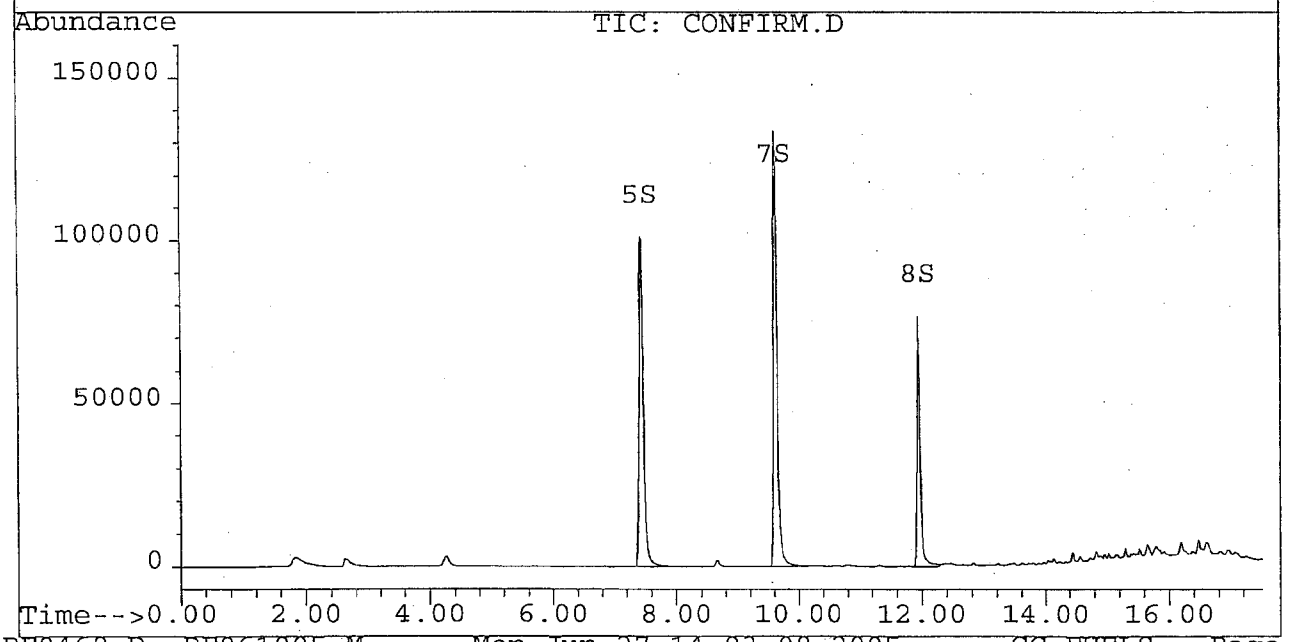
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0468.D Vial: 15
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0468.D\CONFIRM.D
Acq On : 27 Jun 05 12:59 PM Operator: FIELDING
Sample : 0506217-4 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:03 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0469.D Vial: 16
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0469.D\CONFIRM.D
Acq On : 27 Jun 05 01:28 PM Operator: FIELDING
Sample : 0506217-5 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:03 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	2060919	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.63	2336051	85.80 ppb
	Recovery	=	85.80%
3) S BFB	11.95	3660614	81.11 ppb
	Recovery	=	81.11%
5) S TFT #2	7.45	434947	53.58 ppb
	Recovery	=	53.58%
7) S 2,3,4, -TFT #2	9.63	484389	46.28 ppb
	Recovery	=	46.28%
8) S BFB #2	11.96	222370	40.07 ppb
	Recovery	=	40.07%
Target Compounds			
6) H TVPH #2	10.00	8673730	0.74 ppm

H.Z
6/28/05

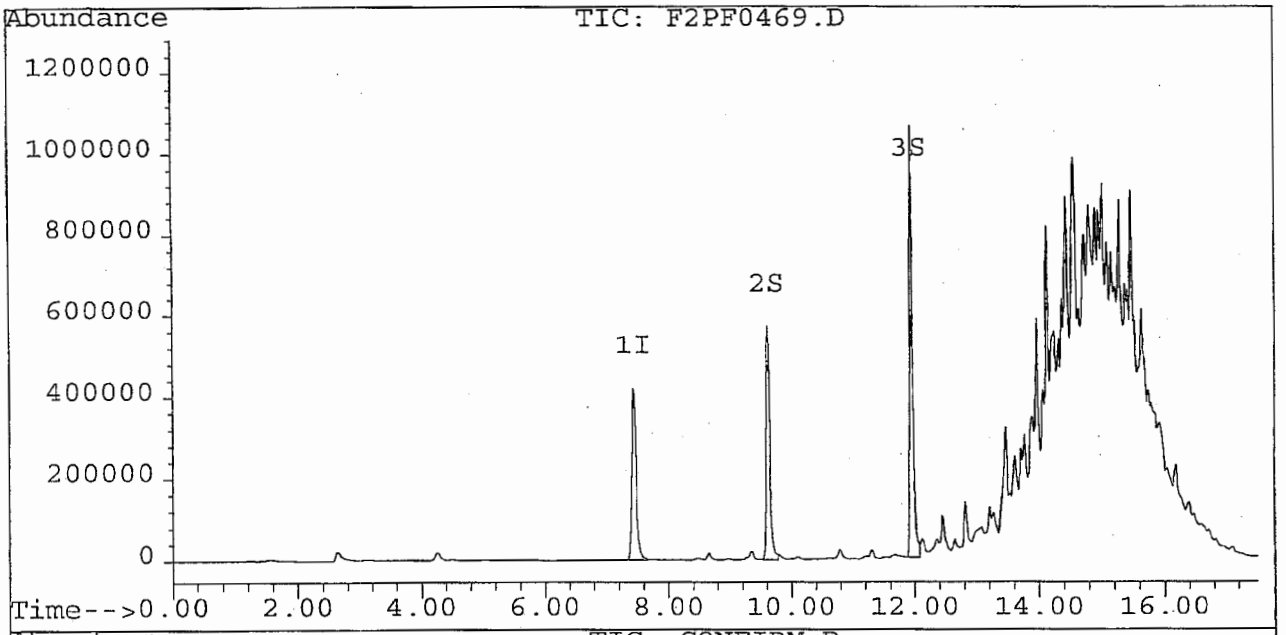
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0469.D PF061005.M Mon Jun 27 14:03:15 2005 GC_FUELS Page 1

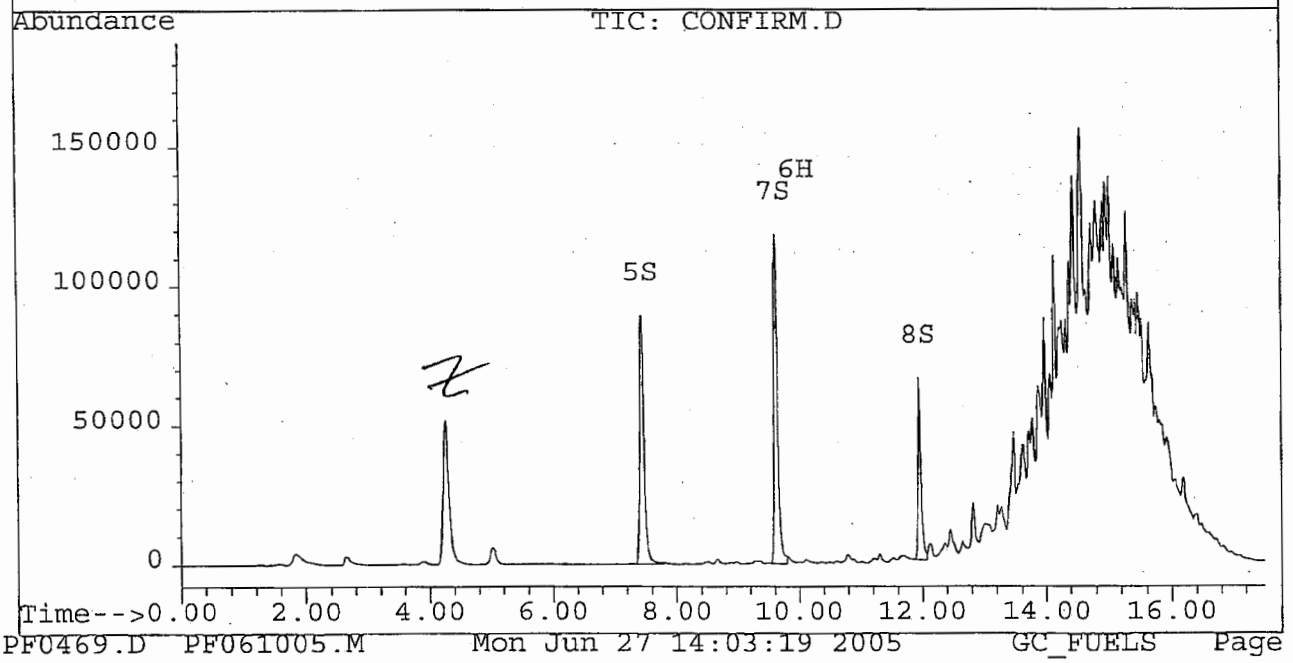
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0469.D Vial: 16
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0469.D\CONFIRM.D
Acq On : 27 Jun 05 01:28 PM Operator: FIELDING
Sample : 0506217-5 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:03 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0471.D Vial: 2
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0471.D\CONFIRM.D
Acq On : 27 Jun 05 02:23 PM Operator: FIELDING
Sample : 0506217-7 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 15:00 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	2469083	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.62	2983334	91.46 ppb
	Recovery	=	91.46%
3) S BFB	11.96	4975124	92.01 ppb
	Recovery	=	92.01%
5) S TFT #2	7.44	521754	64.27 ppb
	Recovery	=	64.27%
7) S 2,3,4, -TFT #2	9.62	611606	58.44 ppb
	Recovery	=	58.44%
8) S BFB #2	11.96	312264	56.26 ppb
	Recovery	=	56.26%
Target Compounds			
6) H TVPH #2	10.00	1581773	0.09 ppm J

6/28/05

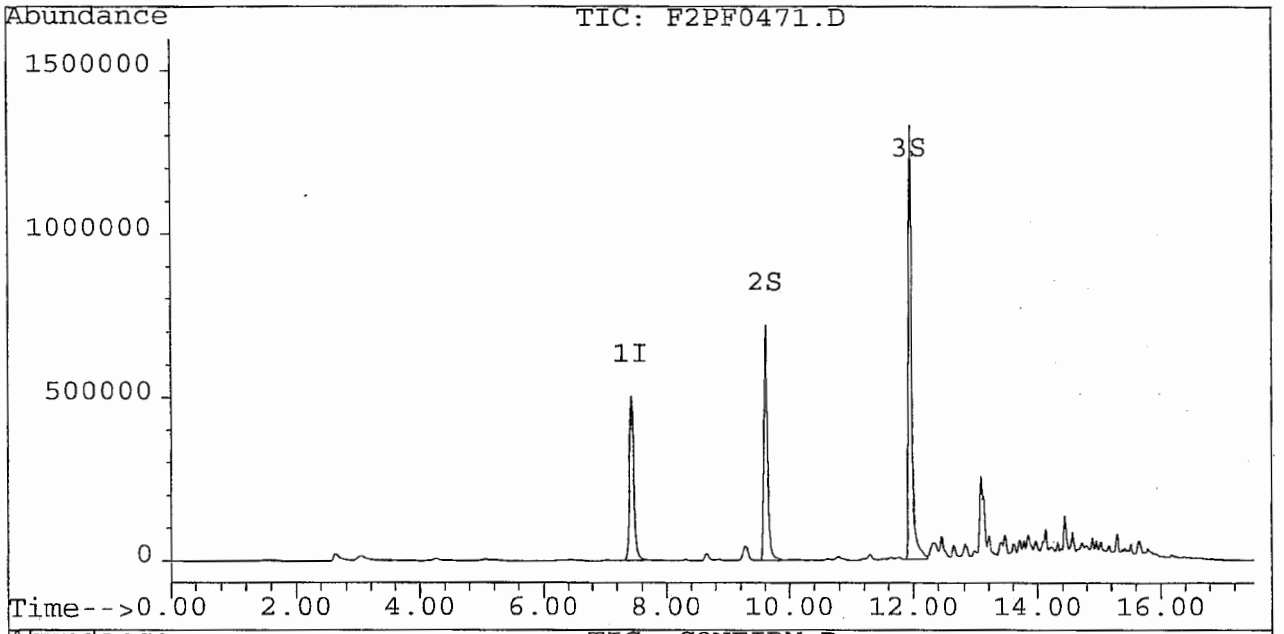
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0471.D PF061005.M Mon Jun 27 15:00:17 2005 GC_FUELS Page 1

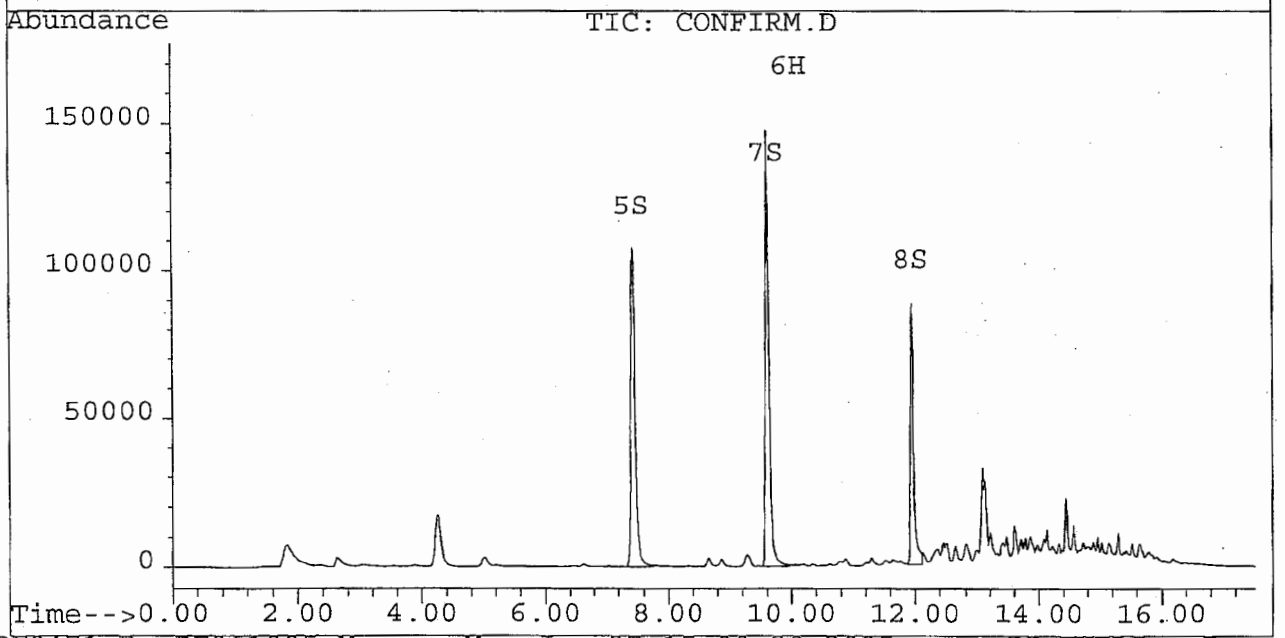
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0471.D Vial: 2
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0471.D\CONFIRM.D
Acq On : 27 Jun 05 02:23 PM Operator: FIELDING
Sample : 0506217-7 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 15:00 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0475.D Vial: 6
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0475.D\CONFIRM.D
Acq On : 27 Jun 05 04:19 PM Operator: FIELDING
Sample : 0506217-8 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 17:30 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.43	3601283	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.62	4335734	91.13 ppb
	Recovery	=	91.13%
3) S BFB	11.95	4264717	54.08 ppb
	Recovery	=	54.08%
5) S TFT #2	7.44	682472	84.07 ppb
	Recovery	=	84.07%
7) S 2,3,4, -TFT #2	9.63	891237	85.16 ppb
	Recovery	=	85.16%
8) S BFB #2	11.96	270757	48.79 ppb
	Recovery	=	48.79%
Target Compounds			
6) H TVPH #2	10.00	6654399	0.56 ppm

G

6/28/05

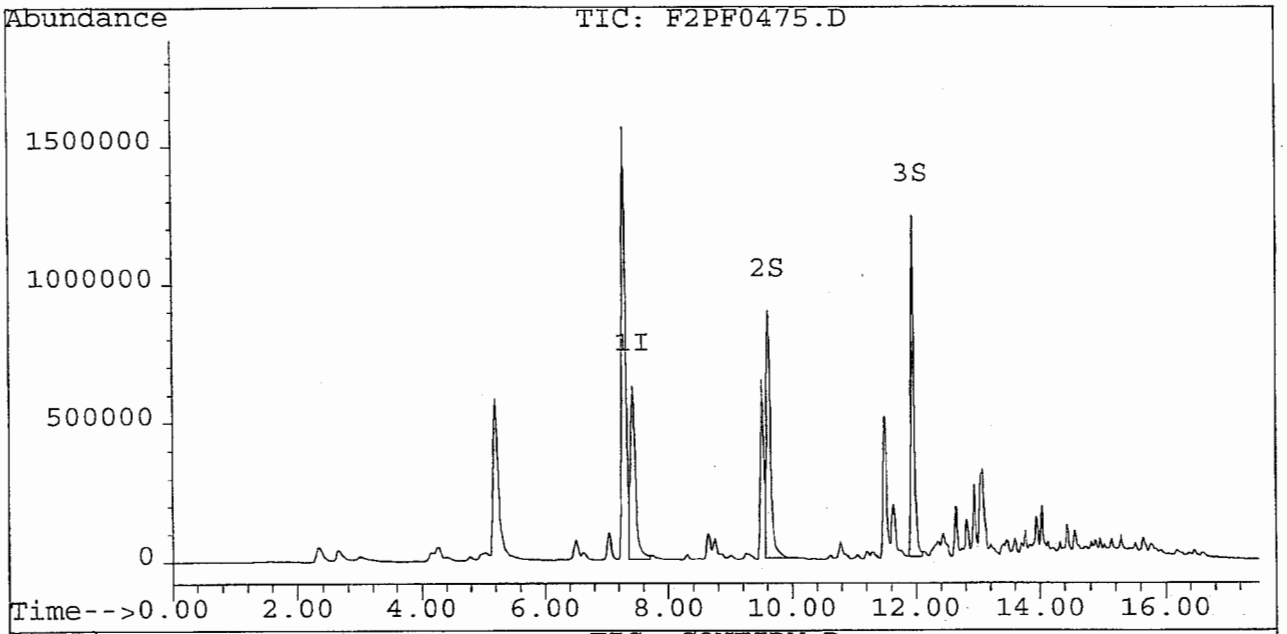
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0475.D PF061005.M Mon Jun 27 17:30:03 2005 GC_FUELS Page 1

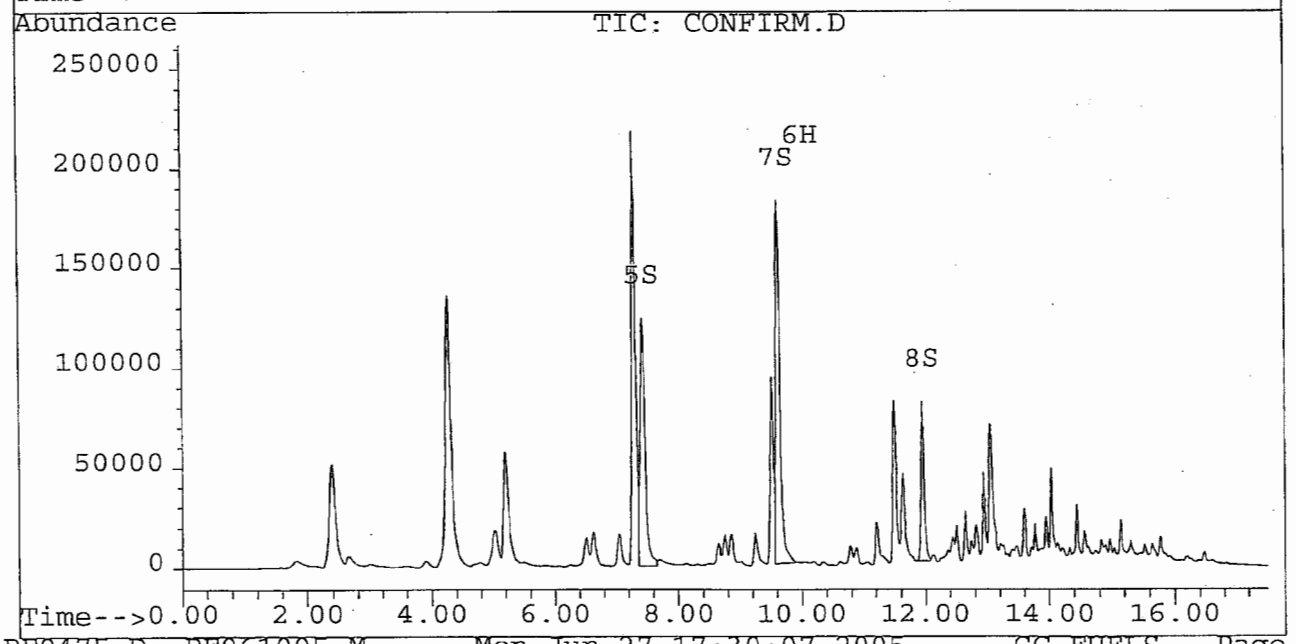
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0475.D Vial: 6
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0475.D\CONFIRM.D
Acq On : 27 Jun 05 04:19 PM Operator: FIELDING
Sample : 0506217-8 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 17:30 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0477.D Vial: 8
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0477.D\CONFIRM.D
Acq On : 27 Jun 05 05:15 PM Operator: FIELDING
Sample : 0506217-2 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 28 13:15 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	2182133	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.62	2567601	89.06 ppb
	Recovery	=	89.06%
3) S BFB	11.95	4267441	89.30 ppb
	Recovery	=	89.30%
5) S TFT #2	7.44	471561	58.09 ppb
	Recovery	=	58.09%
7) S 2,3,4, -TFT #2	9.62	534177	51.04 ppb
	Recovery	=	51.04%
8) S BFB #2	11.96	257088	46.32 ppb
	Recovery	=	46.32%
Target Compounds			
6) H TVPH #2	10.00	708045	0.01 ppm J

6/20/05

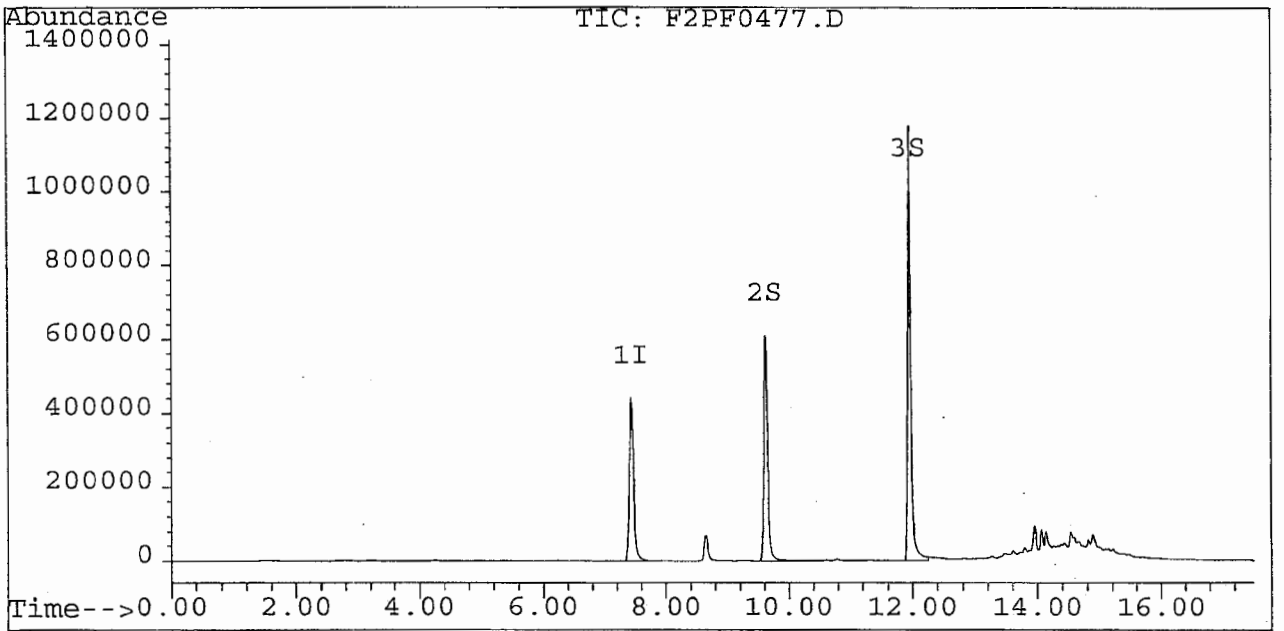
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0477.D PF061005.M Tue Jun 28 13:15:28 2005 GC_FUELS Page 1

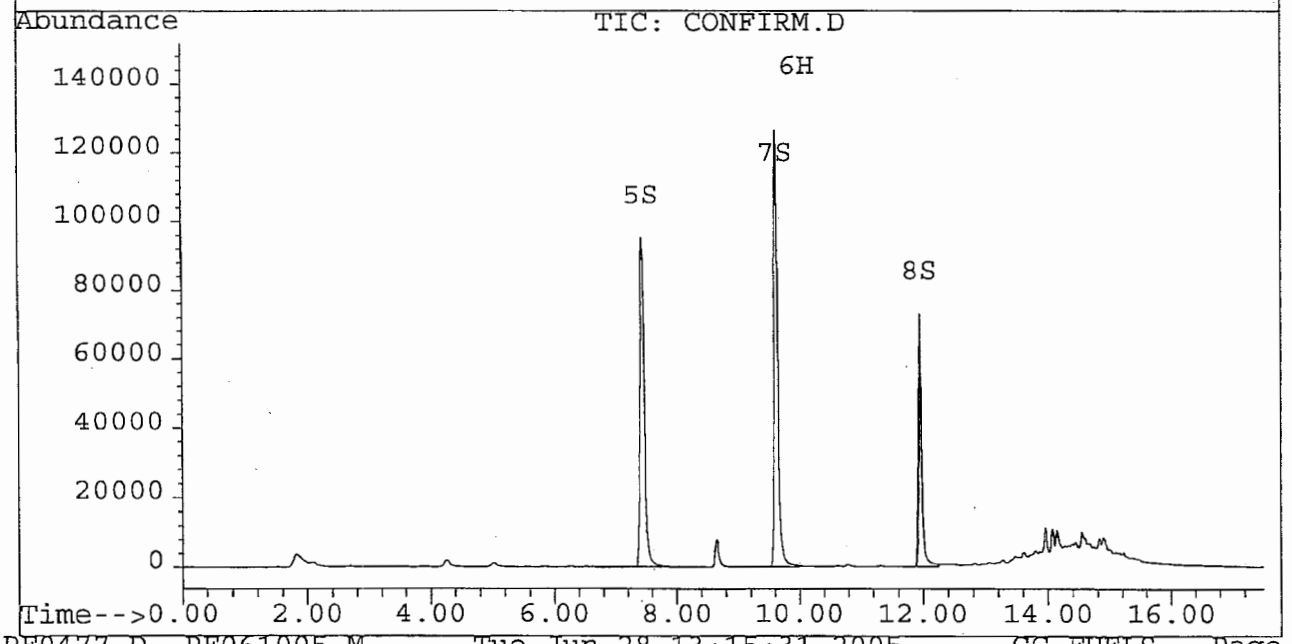
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0477.D Vial: 8
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0477.D\CONFIRM.D
Acq On : 27 Jun 05 05:15 PM Operator: FIELDING
Sample : 0506217-2 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 28 13:15 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0478.D Vial: 9
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0478.D\CONFIRM.D
Acq On : 27 Jun 05 05:43 PM Operator: FIELDING
Sample : 0506217-6 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 28 13:15 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	3356721	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.62	4000113	90.20 ppb
	Recovery	=	90.20%
3) S BFB	11.95	6370983	86.67 ppb
	Recovery	=	86.67%
5) S TFT #2	7.44	716855	88.30 ppb
	Recovery	=	88.30%
7) S 2,3,4, -TFT #2	9.62	831044	79.40 ppb
	Recovery	=	79.40%
8) S BFB #2	11.96	417125	75.16 ppb
	Recovery	=	75.16%
Target Compounds			
6) H TVPH #2	10.00	594707	0.00 ppm

6/28/05

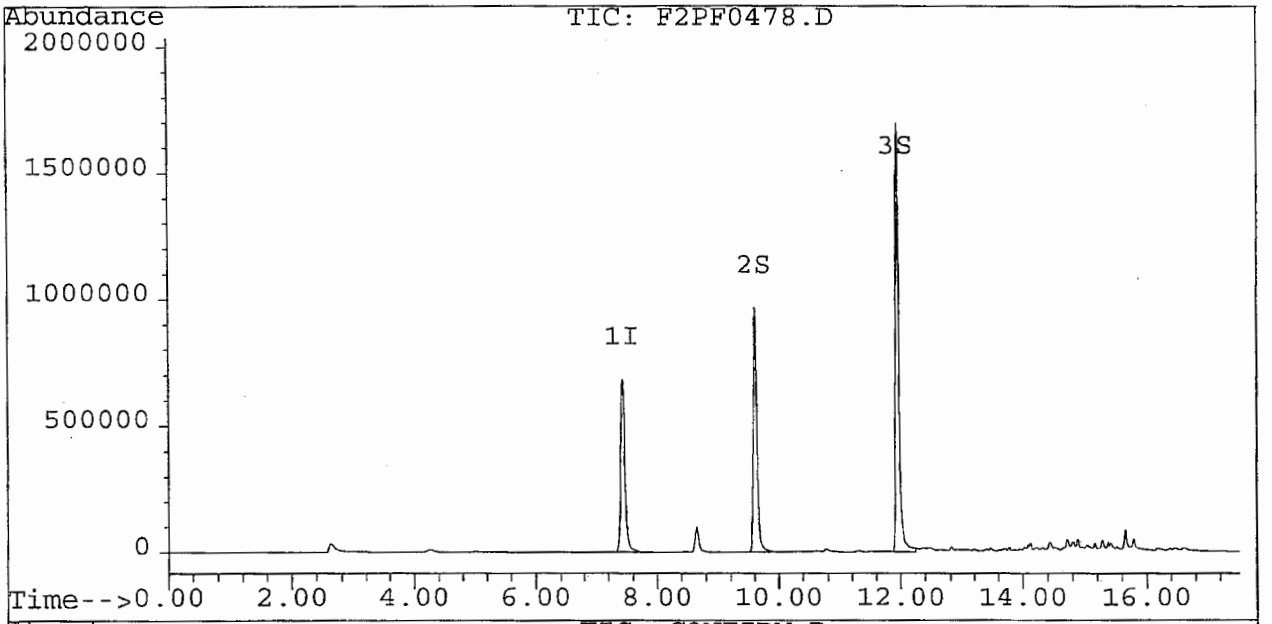
(f)=RT Delta > 1/2 Window (m)=manual int.

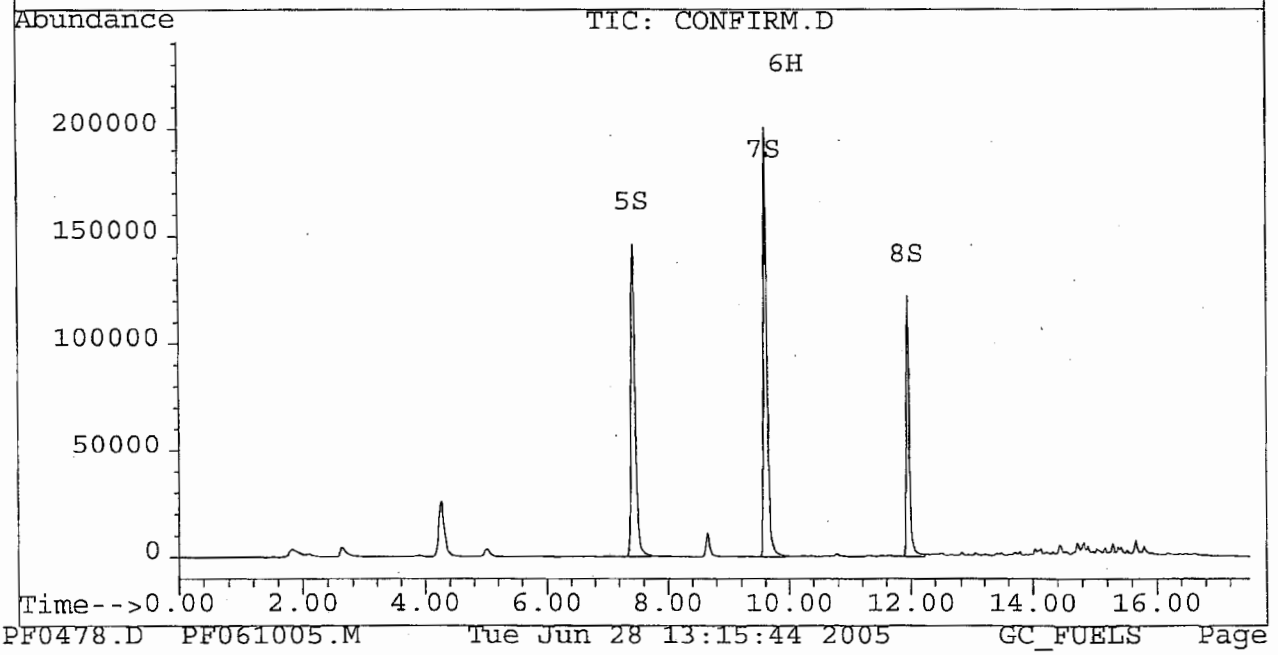
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0478.D Vial: 9
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0478.D\CONFIRM.D
Acq On : 27 Jun 05 05:43 PM Operator: FIELDING
Sample : 0506217-6 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 28 13:15 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0479.D Vial: 10
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0479.D\CONFIRM.D
Acq On : 27 Jun 05 06:13 PM Operator: FIELDING
Sample : 0506217-9 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 28 13:15 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	1941963	100.00 ppb
		Low	
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.62	2313274	~~90.17~~ ppb
	Recovery	=	90.17%
3) S BFB	11.95	4036484	~~94.92~~ ppb
	Recovery	=	94.92%
5) S TFT #2	7.44	410148	50.52 ppb
	Recovery	=	50.52%
7) S 2,3,4, -TFT #2	9.62	474227	45.31 ppb
	Recovery	=	45.31%
8) S BFB #2	11.95	240448	43.32 ppb
	Recovery	=	43.32%
Target Compounds			
6) H TVPH #2	10.00	281331	N.D. ppm

Low IS confirmed by F2PF0476

δ 6/28/05

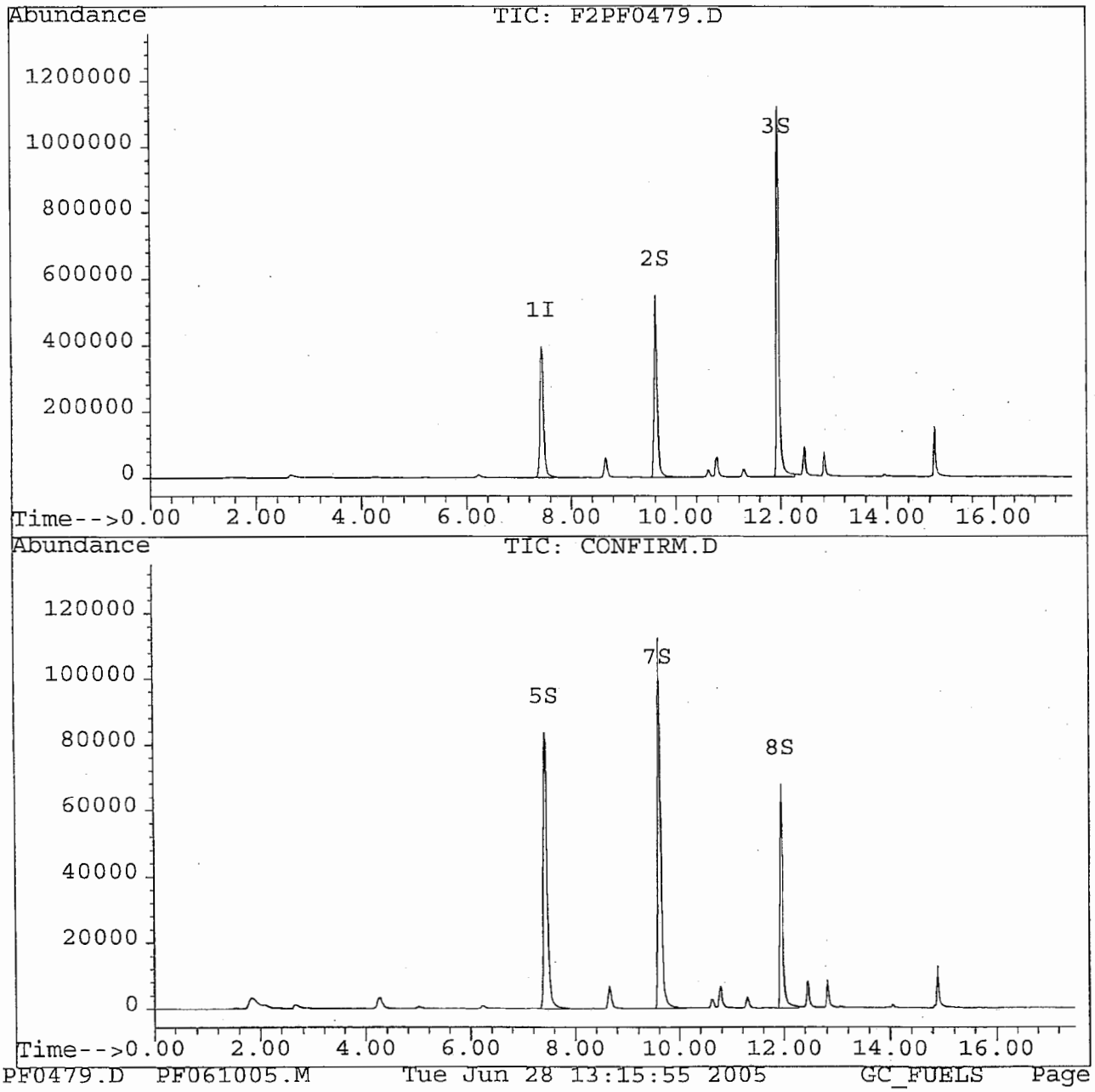
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0479.D PF061005.M Tue Jun 28 13:15:50 2005 GC_FUELS Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0479.D Vial: 10
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0479.D\CONFIRM.D
Acq On : 27 Jun 05 06:13 PM Operator: FIELDING
Sample : 0506217-9 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 28 13:15 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID



Raw Data Quality Control Samples

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0462.D Vial: 9
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0462.D\CONFIRM.D
Acq On : 27 Jun 05 10:00 AM Operator: FIELDING
Sample : HCG050627-2LCS Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:01 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.45	4045818	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.63	4939035	92.41 ppb
	Recovery	=	92.41%
3) S BFB	11.96	7844367	88.54 ppb
	Recovery	=	88.54%
5) S TFT #2	7.46	837802	103.20 ppb
	Recovery	=	103.20%
7) S 2,3,4, -TFT #2	9.63	1011251	96.62 ppb
	Recovery	=	96.62%
8) S BFB #2	11.96	531760	95.81 ppb
	Recovery	=	95.81%
Target Compounds			
6) H TVPH #2	10.00	12075505	1.06 ppm

7/1/05

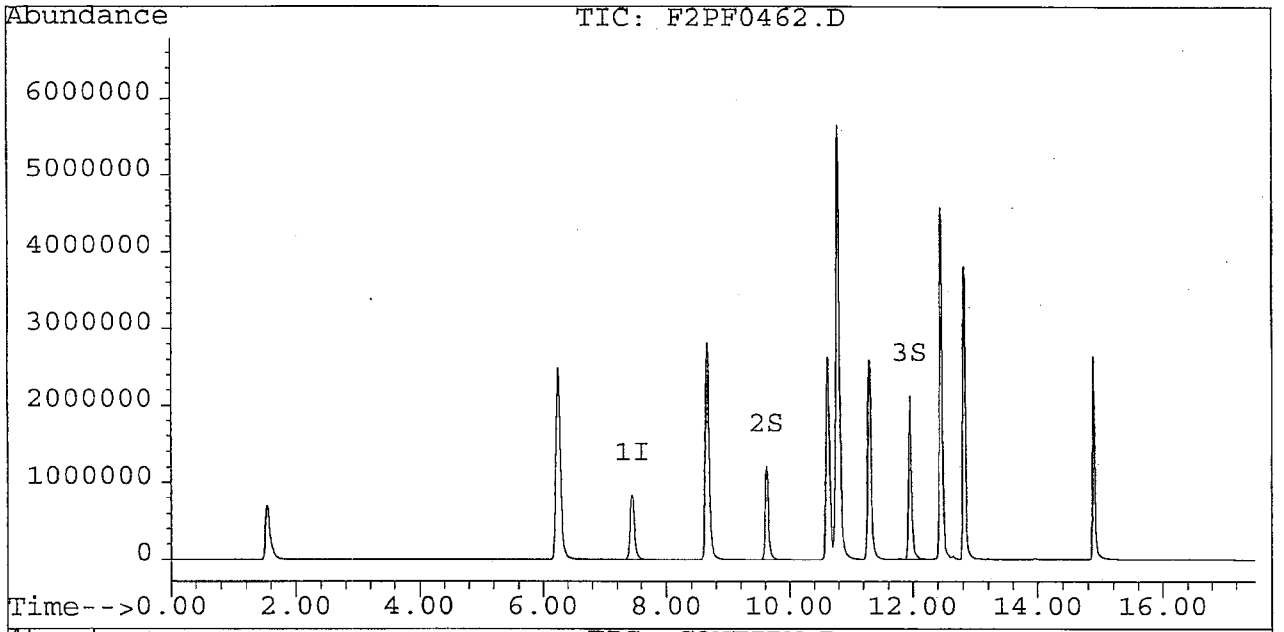
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0462.D PF061005.M Fri Jul 01 10:15:20 2005 GC_FUELS Page 1

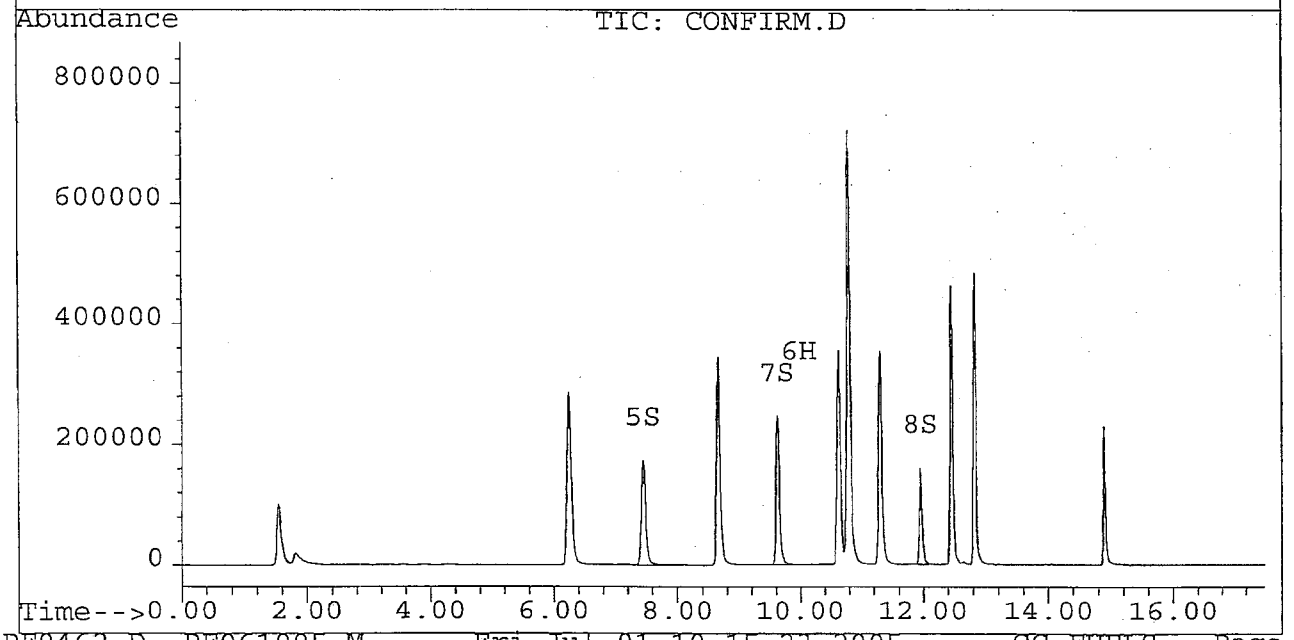
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0462.D Vial: 9
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0462.D\CONFIRM.D
Acq On : 27 Jun 05 10:00 AM Operator: FIELDING
Sample : HCG050627-2LCS Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:01 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0463.D Vial: 10
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0463.D\CONFIRM.D
Acq On : 27 Jun 05 10:27 AM Operator: FIELDING
Sample : HCG050627-2LCSD Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:02 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.45	4173951	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.62	5102529	92.53 ppb
	Recovery	=	92.53%
3) S BFB	11.95	7975571	87.26 ppb
	Recovery	=	87.26%
5) S TFT #2	7.45	870022	107.17 ppb
	Recovery	=	107.17%
7) S 2,3,4, -TFT #2	9.62	1040377	99.41 ppb
	Recovery	=	99.41%
8) S BFB #2	11.96	540036	97.31 ppb
	Recovery	=	97.31%
Target Compounds			
6) H TVPH #2	10.00	11009906	0.96 ppm

δ 7/1/05

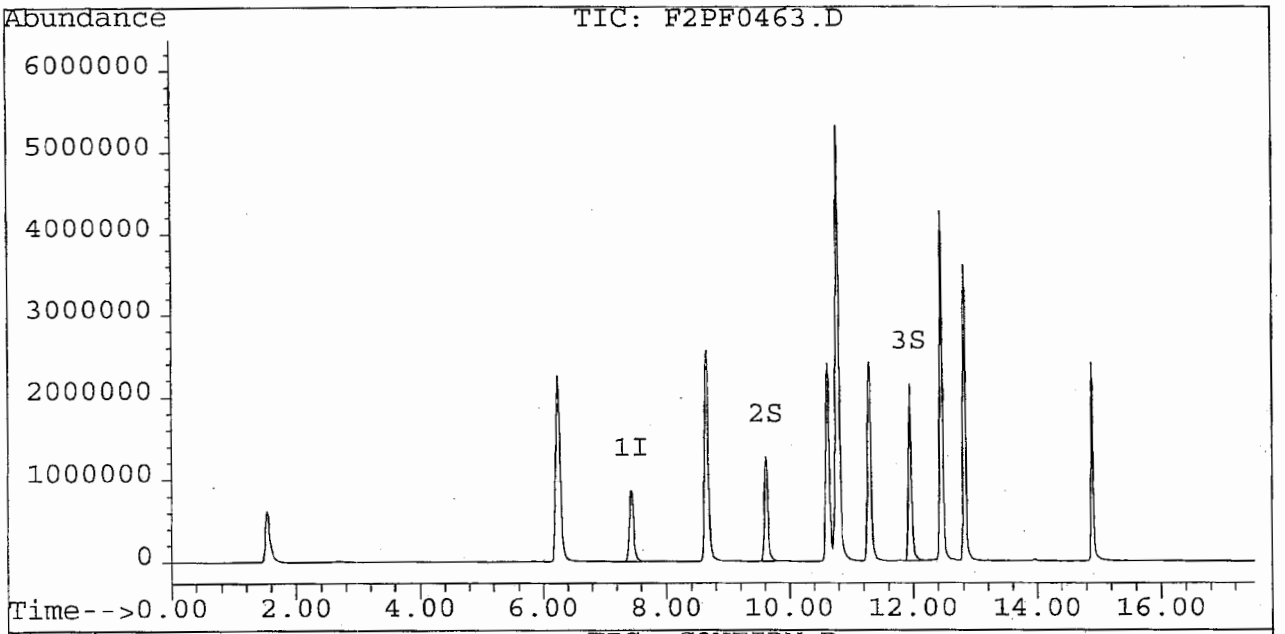
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0463.D PF061005.M Fri Jul 01 10:16:04 2005 GC_FUELS Page 1

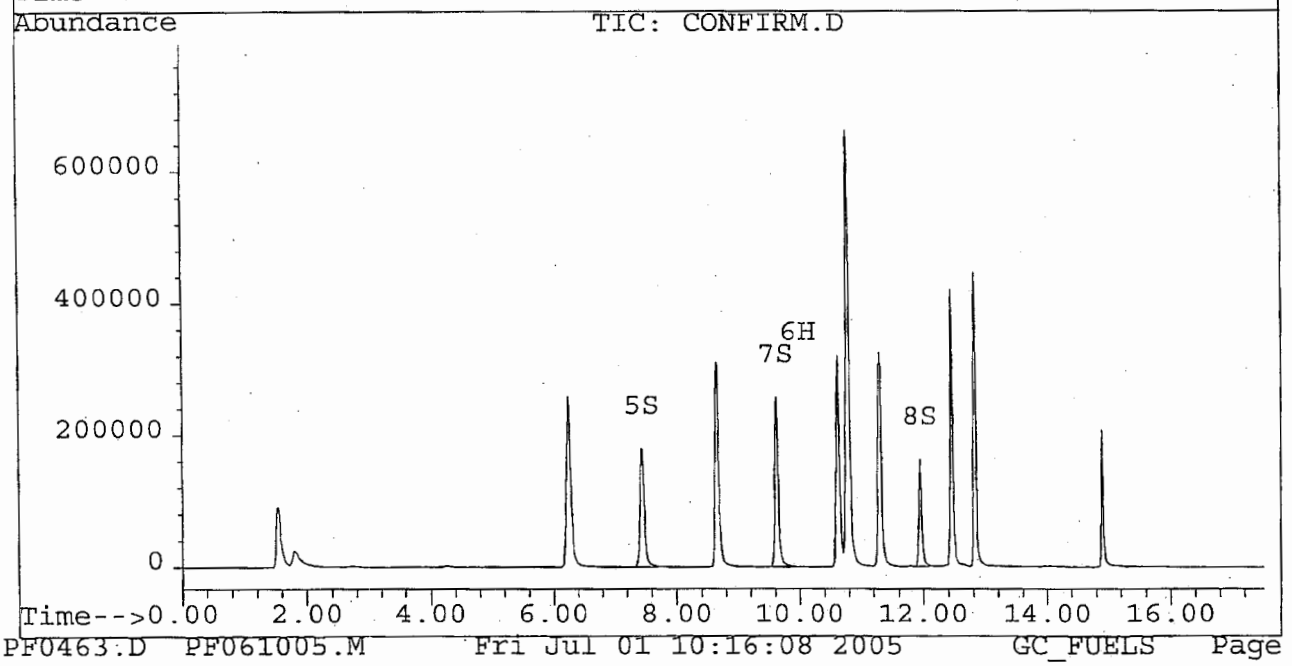
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0463.D Vial: 10
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0463.D\CONFIRM.D
Acq On : 27 Jun 05 10:27 AM Operator: FIELDING
Sample : HCG050627-2LCSD Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 14:02 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0473.D Vial: 4
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0473.D\CONFIRM.D
Acq On : 27 Jun 05 03:23 PM Operator: FIELDING
Sample : 0506217-7MS Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 16:00 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	3051311	100.00 ppb
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.63	3680321	91.30 ppb
	Recovery	=	91.30%
3) S BFB	11.96	6009513	89.94 ppb
	Recovery	=	89.94%
5) S TFT #2	7.45	633889	78.08 ppb
	Recovery	=	78.08%
7) S 2,3,4, -TFT #2	9.63	750045	71.67 ppb
	Recovery	=	71.67%
8) S BFB #2	11.96	401180	72.29 ppb
	Recovery	=	72.29%
Target Compounds			
6) H TVPH #2	10.00	10970159	0.96 ppm

6/28/05

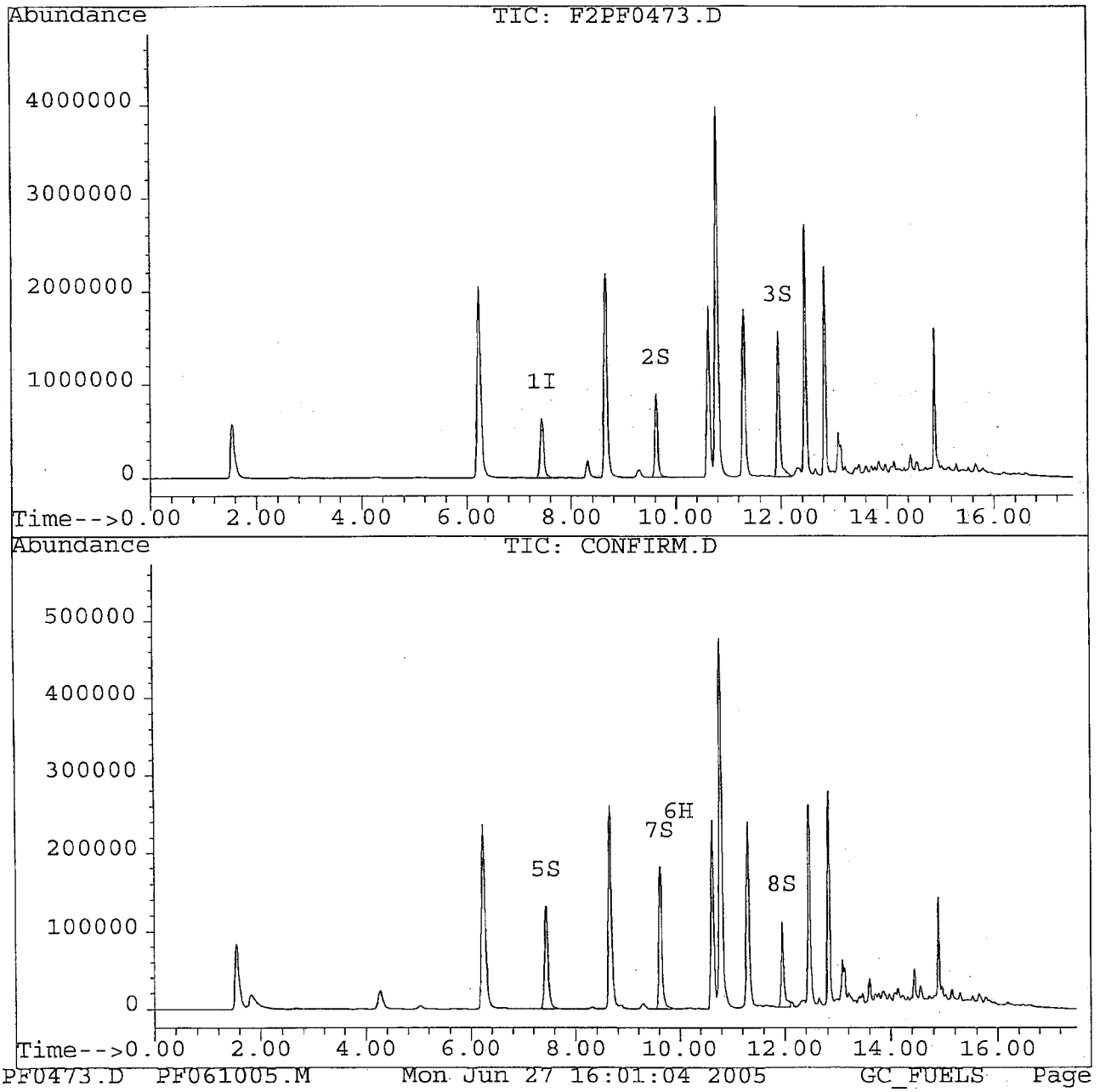
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0473.D PF061005.M Mon Jun 27 16:01:01 2005 GC_FUELS Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0473.D Vial: 4
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0473.D\CONFIRM.D
Acq On : 27 Jun 05 03:23 PM Operator: FIELDING
Sample : 0506217-7MS Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 16:00 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID



Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0474.D Vial: 5
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0474.D\CONFIRM.D
Acq On : 27 Jun 05 03:51 PM Operator: FIELDING
Sample : 0506217-7MSD Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 17:29 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	1617348	100.00 ppb
		low	
System Monitoring Compounds			
2) S 2,3,4-Trifluorotoluene	9.62	1960057	91.73 ppb
	Recovery	=	91.73%
3) S BFB	11.95	3451553	97.45 ppb
	Recovery	=	97.45%
5) S TFT #2	7.45	337648	41.59 ppb
	Recovery	=	41.59%
7) S 2,3,4, -TFT #2	9.62	399524	38.17 ppb
	Recovery	=	38.17%
8) S BFB #2	11.96	217850	39.25 ppb
	Recovery	=	39.25%
Target Compounds			
6) H TVPH #2	10.00	7756409	0.66 ppm
			low

Low IS, GRO
ISOK in Native sample, MS
ISOK, GRO OK in MS
LCS LCSD

6/28/05

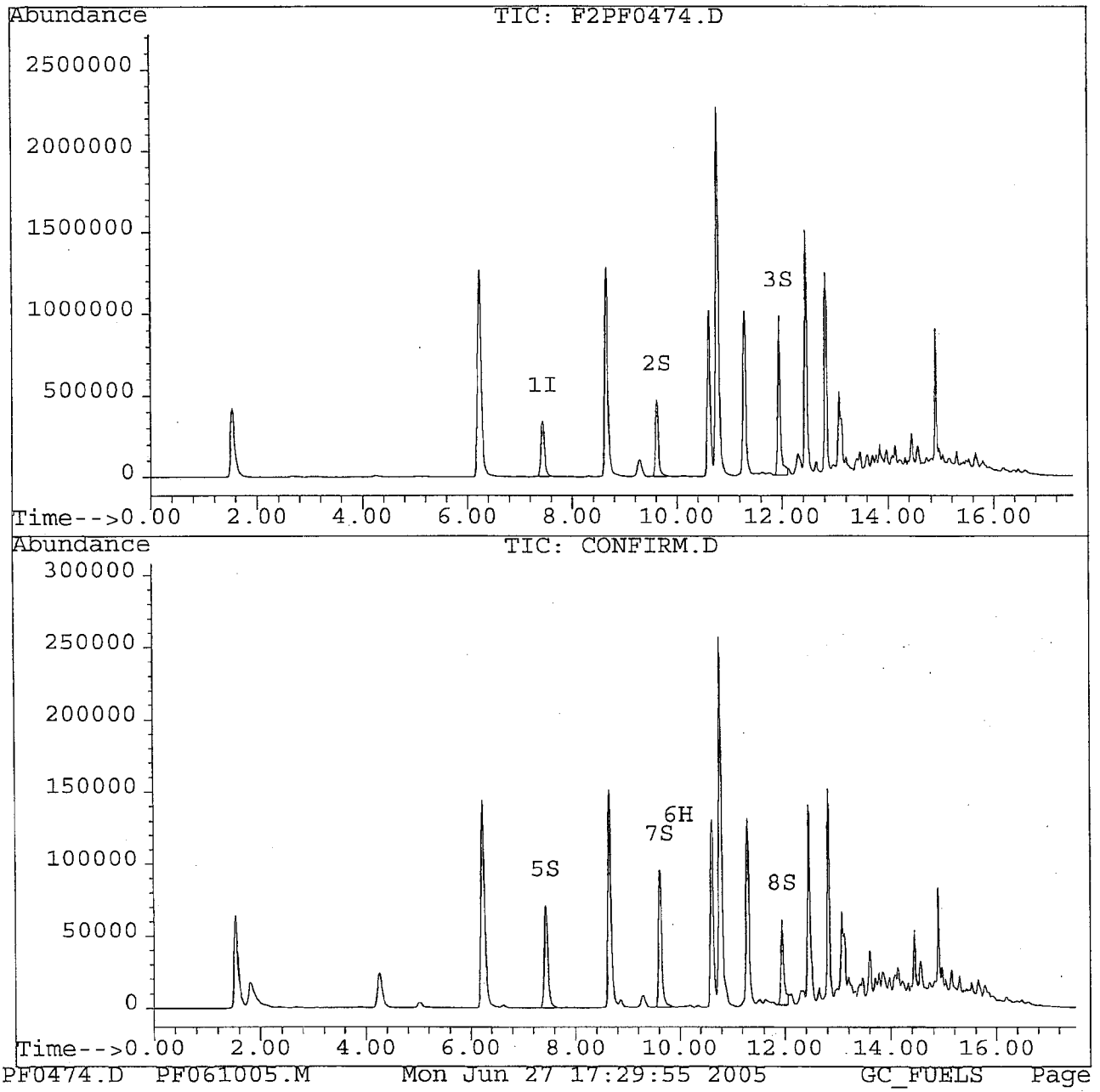
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0474.D PF061005.M Mon Jun 27 17:29:52 2005 GC_FUELS Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0474.D Vial: 5
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0474.D\CONFIRM.D
Acq On : 27 Jun 05 03:51 PM Operator: FIELDING
Sample : 0506217-7MSD Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 17:29 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID



Miscellaneous

Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0476.D Vial: 7
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0476.D\CONFIRM.D
Acq On : 27 Jun 05 04:46 PM Operator: FIELDING
Sample : 0506217-9 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 17:30 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I TFT	7.44	1580342	100.00 ppb
System Monitoring Compounds		Low	
2) S 2,3,4-Trifluorotoluene	9.62	1881315	90.11 ppb
	Recovery	=	90.11%
3) S BFB	11.95	3397286	98.17 ppb
	Recovery	=	98.17%
5) S TFT #2	7.44	338145	41.65 ppb
	Recovery	=	41.65%
7) S 2,3,4, -TFT #2	9.62	391591	37.42 ppb
	Recovery	=	37.42%
8) S BFB #2	11.96	204719	36.89 ppb
	Recovery	=	36.89%
Target Compounds			
6) H TVPH #2	10.00	194709	N.D. ppm

RR Low IS

6/28/05

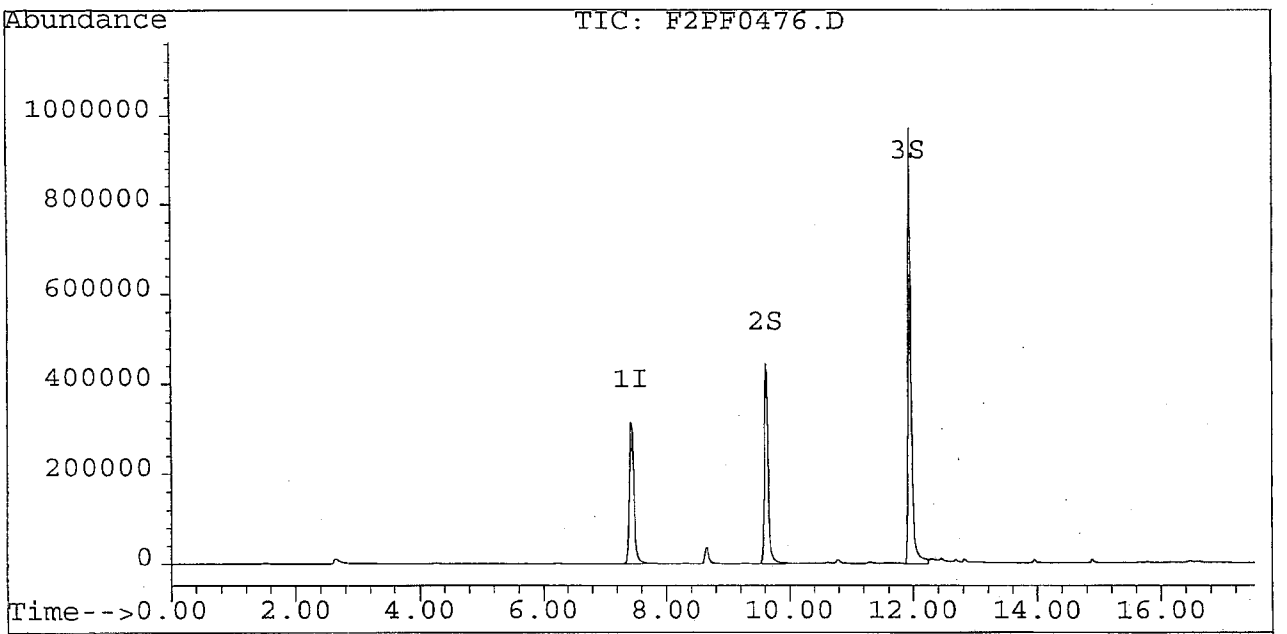
(f)=RT Delta > 1/2 Window (m)=manual int.
F2PF0476.D PF061005.M Mon Jun 27 17:30:14 2005 GC_FUELS Page 1

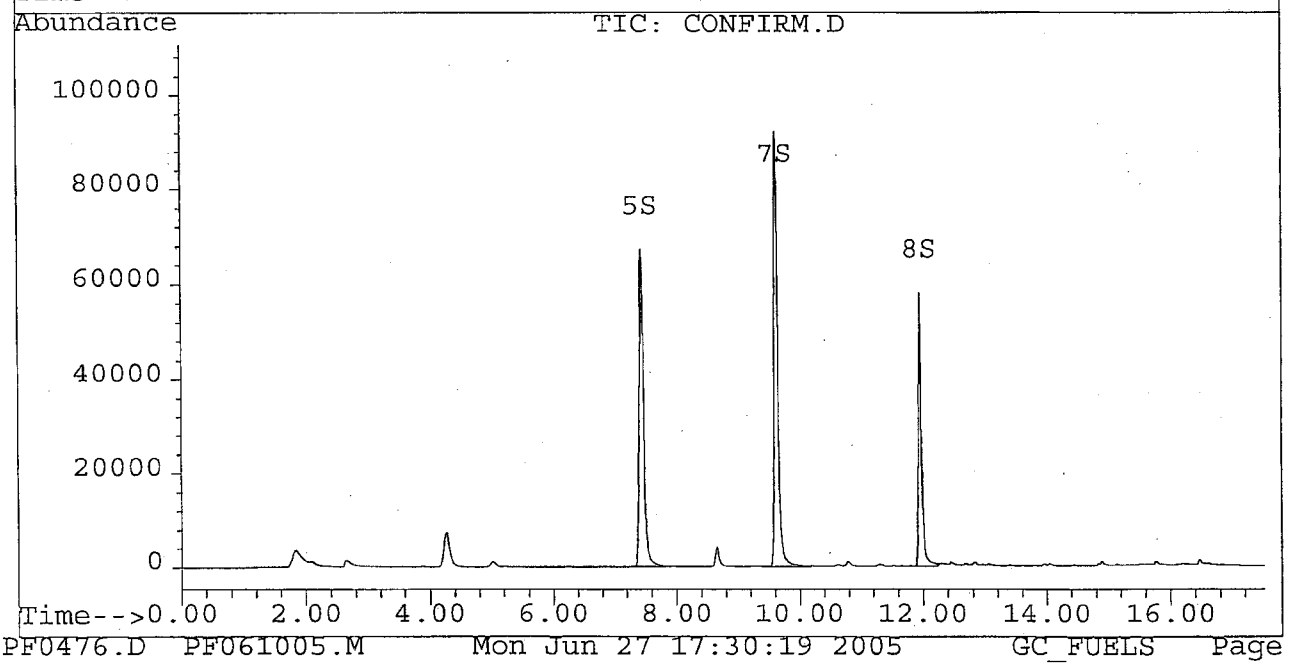
Quantitation Report

Signal #1 : C:\HPCHEM\6\DATA\06272005\F2PF0476.D Vial: 7
Signal #2 : C:\HPCHEM\6\DATA\06272005\F2PF0476.D\CONFIRM.D
Acq On : 27 Jun 05 04:46 PM Operator: FIELDING
Sample : 0506217-9 Inst : FUELS 2
Misc : Multiplr: 1.00
Quant Time: Jun 27 17:30 19105

Method : C:\HPCHEM\6\METHODS\PF061005.M
Title : 8015B modified SOP 425 'TVPH'
Last Update : Wed Jun 15 13:26:58 2005
Response via : Multiple Level Calibration

Volume Inj. :
Signal #1 Phase : DB-624 30m,0.53mm Signal #2 Phase: DB-624 30m,0.53mm,3μ
Signal #1 Info : PID Signal #2 Info : FID





Percent Moisture

Method SOP642

Lab Name: Paragon Analytics

Date Extracted: 06/28/2005
Date Analyzed: 06/28/2005
Analyst: Andrew Ross Freem

Validated By: ARF
Validation Date: 06/28/2005
Validation Time: 8:39:59 AM

Run ID	Prep Batch ID	QC Batch ID	Lab ID	QC Type	Dish Wt	Wet Wt	Dry Wt	Dry Wt-Dish Wt	Percent Moisture	Percent Solids	RPD
EX050627-2A	EX050627-2	EX050627-2-1	0506217-1	SMP	1.22	10.41	11.27	10.05	3.5	96.5	
EX050627-2A	EX050627-2	EX050627-2-1	EX050627-2	MB	1.23	1.23	1.23	0.00	100.0	0.0	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-2	SMP	1.21	10.41	10.77	9.56	8.2	91.8	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-3	SMP	1.19	10.25	10.82	9.63	6.0	94.0	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-4	SMP	1.19	10.83	11.75	10.56	2.5	97.5	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-5	DUP	1.21	10.54	11.02	9.81	6.9	93.1	0
EX050627-2A	EX050627-2	EX050627-2-1	0506217-5	SMP	1.21	10.17	10.68	9.47	6.9	93.1	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-6	SMP	1.22	10.33	11.44	10.22	1.1	98.9	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-7	SMP	1.2	10.81	9.64	8.44	21.9	78.1	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-8	SMP	1.21	10.56	8.19	6.98	33.9	66.1	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-9	SMP	1.2	10.66	11.62	10.42	2.3	97.7	

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

DUP	Laboratory Duplicate
LCSD	Laboratory Control Sample Duplicat
MS	Laboratory Matrix Spike
REP	Sample replicate
SYS	Sample Yield Spike

Comments:

DUP = Sample Duplicate
Wet Wt = Sample Wet Wt - Dish Wt
Dry Wt = Sample Dry Wt + Dish Wt
Dry Wt - Dish Wt = Sample Dry Wt - Dish Wt
All weight values shown above are expressed in grams.

Paragon Analytics

Total Extractable Hydrocarbons (Diesel) Case Narrative

NMED DOE Oversight Bureau

Gandy Marley, Inc.

Order Number - 0506217

1. This report consists of 9 soil samples. The samples were received cool and intact by Paragon on 06/24/2005.

2. The soil samples were extracted by adding a methanol/water solution to the soil followed by hexane according to Paragon Analytics Standard Operating Procedure 603 Revision 8, which was developed at Paragon Analytics. This mixture is shaken and the hexane portion of the two-phase solution is removed for analysis.

3. The extracts were then analyzed using GC with a DB-5.625 capillary column and a flame ionization detector (FID) according to Paragon Analytics Standard Operating Procedure 406 Revision 11 generally based on SW-846 Method 8000B and Method 8015B. The procedures are based on this general method because SW-846 does not have a specific method for total extractable petroleum hydrocarbons (TEPH) or diesel range organics. The only true modification from this method is that TEPH is a multicomponent mixture and is quantitated by summing the entire range, rather than individual peaks. All positive results were quantitated using the responses from the initial calibration curve using the external standard technique. Also, a confirmation column is not used, because the analyte is a multicomponent mixture and the specific carbon range of the peaks detected is specified on the individual sample reporting forms.

4. All initial and continuing calibration criteria were met.

5. The method blank associated with this project was below the MDL for diesel range organics.

6. All laboratory control spike and laboratory control spike duplicate recoveries and RPDs were within the acceptance criteria.

7. All matrix spike and matrix spike duplicate recoveries and RPDs were within the acceptance criteria.

8. All samples were extracted and analyzed within the established holding time.

9. Surrogate recoveries could not be reported for samples 1-3, 5 and 8 due to the dilution needed to bring the target analyte into the linear range of the instrument. All other surrogate recoveries were within the acceptance criteria.

10. Samples 1-3, 5 and 8 were analyzed at a dilution in order to bring the target analyte within the calibration range of the instrument. The reporting limits have been adjusted accordingly.

11. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics Standard Operating Procedure 939 Revision 1. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

FOR JAY FIELDING

Eric Bayless — 7/22/05

Jay Fielding — Date
Fuels Analyst

mn — 7.22.05

Reporter's Initials — Date

Paragon Analytics
Data Qualifier Flags
Fuels

G:	**This flag indicates that a pattern resembling gasoline was detected in this sample.**
D:	**This flag indicates that a pattern resembling diesel was detected in this sample.**
M:	**This flag indicates that a pattern resembling motor oil was detected in this sample.**
C:	**This flag indicates that a pattern resembling crude oil was detected in this sample.**
5:	**This flag indicates that a pattern resembling JP-5 was detected in this sample.**
H:	**This flag indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.**
L:	**This flag indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.**
Z:	**This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:** **gasoline** **JP-4** **JP-8** **diesel** **mineral spirits** **motor oil** **Stoddard solvent** **bunker C** **Multiple flags may be used to indicate the presence of more than one product or component.**

Paragon Analytics
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	**This flag indicates that the compound was analyzed for but not detected.**
J:	**This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.**
B:	**This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.**
E:	**This flag identifies compounds whose concentration exceeds the upper level of the calibration range.**
A:	**This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.**
X:	**This flag indicates that the analyte was diluted below an accurate quantitation level.**
***:**	**This flag indicates that a spike recovery is equal to or outside the control criteria used.**
+:	**This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.**

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0506217
Client Name: NMED DOE Oversight Bureau
Client Project Name: Gandy Marley, Inc.
Client Project Number:
Client PO Number: 22-667-55-02459

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
GMI-UST-1	0506217-1		SOIL	22-Jun-05	11:55
GMI-UST-2	0506217-2		SOIL	22-Jun-05	12:30
GMI-UST-3	0506217-3		SOIL	22-Jun-05	15:00
GMI-UST-4	0506217-4		SOIL	22-Jun-05	15:30
GMI-UST-5	0506217-5		SOIL	22-Jun-05	16:10
GMI-UST-6	0506217-6		SOIL	22-Jun-05	16:11
GMI-LBB-2	0506217-7		SOIL	22-Jun-05	16:30
GMI-LBB-1	0506217-8		SOIL	22-Jun-05	16:50
GMI-VOR	0506217-9		SOIL	22-Jun-05	17:16
GMI-Evap Tank East	0506217-10		WATER	22-Jun-05	17:40
GMI-Evap Tank West	0506217-11		WATER	22-Jun-05	18:00
GMI-UST-1	0506217-12		LEACHAT	22-Jun-05	11:55
GMI-UST-2	0506217-13		LEACHAT	22-Jun-05	12:30
GMI-UST-3	0506217-14		LEACHAT	22-Jun-05	15:00
GMI-UST-4	0506217-15		LEACHAT	22-Jun-05	15:30
GMI-UST-5	0506217-16		LEACHAT	22-Jun-05	16:10
GMI-UST-6	0506217-17		LEACHAT	22-Jun-05	16:11
GMI-LBB-2	0506217-18		LEACHAT	22-Jun-05	16:30
GMI-LBB-1	0506217-19		LEACHAT	22-Jun-05	16:50
GMI-VOR	0506217-20		LEACHAT	22-Jun-05	17:16

Paragon Analytics
A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0506217

Chain-of-Custody Date _____ Page ___ of ___

Originator: Retain pink copy

Project Name / No.: GANDY MARLEY, INC Sampler(s): S.P., M.C. Turnaround (circle one): Standard or Rush (Due _____) Dispose: Date ALAP or Return to Client

Report To: STEVE PULLEN
Phone: 505-428-2544
Fax:
E-mail: STEVE.PULLEN@state.nm.us
Company: NM ENVIRONMENT. HAZ. WASTE
Address: 2905 RODEO PARK DR. EAST
BLDG. 1
SANTA FE, NM 87502

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type)	No. of Containers	VOCs SW8260B E624 E524.2	BTEX (only) SW8021B	SVOCs SW8270C E625	OC Pesticides SW8081A E608	PCBs SW8082 E608	Herbicides SW8151A	Explosives SW8330	TCLP Organics SW1311 SW8260B 8270C 8081A 8151A	TCLP Metals SW1311 SW6010B SW7470	Total Metals by ICP SW6010B 7470 7471 E200 ILMO__	Dissolved Metals by ICP SW6010B 7470 E200 ILMO__	Total Metals by ICP/MS SW6020 E200.8 ILMO__	Dissolved Metals by ICP/MS SW6020 E200.8 ILMO__	Hexavalent Chromium SW7196A Alkaline Digest? Y / N	Inorganic Anions SW9056 E300.0 (specify in comments)	Solids: Total E160.3 TDS E160.1 TSS E160.2	pH SW9040B SW9045C	TPH (GRO) (DRO) SW8015B (both)	Gross Alpha / Beta SW9310 E900.0	Actinides by Paragon SOP Pu / U / Am / Th / Cm / ___	Tritium E906.0	Total Alpha-Emitting Radium SW9315 E903.0	Radium 226 E903.1 SW9320 E904.0	Strontium 89 D5811-00	Strontium 90 D5811-00	Gamma Isotopes E901.1
GMI-UST 1	6/22	11:55	1	S	NA	1									X									X							
GMI-UST-2	6/22	1230	2	S	"	1									X									X							
GMI-UST-3	"	1500	3	S	"	1									X									X							
GMI-UST.4	"	1530	4	S	"	1									X									X							
GMI-UST.5	"	1610	5	S	"	1									X									X							
GMI-UST.6	"	1611	6	S	"	1									X									X							
GMI-LBB-2	"	1630	7	S	"	1									X									X							
GMI-LBB.1	"	1650	8	S	"	1									X									X							
GMI-VOR	"	1716	9	S	"	1									X									X							
GMI-EVAP TANK East	"	1740	10	W	"	4	X		X							X															
GMI EVAP TANK West	"	1800	11	W	"	4	X		X							X															

* Time Zone: EST CST MST PST Matrix Key: O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments:

SOIL SAMPLES - Report TPH results ASAP. MAY RUN TCLP VOCs & SVOCs.

Form 202r5.xls (4/6/04)

Relinquished By:	(1)	Relinquished By:	(2)
Signature	STEVE PULLEN	Signature	
Printed Name		Printed Name	
Date	6/23/05	Date	
Time	1430	Time	
Company	NMED.	Company	

Received By:	(1)	Received By:	(2)
Signature	Matt Wilson	Signature	
Printed Name	Matt Wilson	Printed Name	
Date	6/24/05	Date	
Time	1000	Time	
Company	Paragon	Company	

Paragon Analytics

CONDITION OF SAMPLE UPON RECEIPT FORM

Client: NMED Workorder No: 0506217

Project Manager: LRS Initials: MN Date: 6/24/05

1.	Does this project require any **special handling** in addition to standard Paragon procedures?		YES	(NO)
2.	Is **pre-screening** required per SOP 008?		YES	(NO)
3.	Are custody **seals** on **shipping containers** intact?	N/A	(YES)	NO
4.	Are custody **seals** on **sample containers** intact?	(N/A)	YES	NO
5.	Is there a **COC (Chain-of-Custody) present** or other representative documents?		(YES)	NO
6.	Is the **COC** (if applicable) **complete and legible**?	N/A	(YES)	NO
7.	Are **bottle IDs legible** and in **agreement** with **COC sample IDs**?	N/A	YES	(NO)
8.	Is the COC in agreement with samples received? (**# of samples, # of containers, matrix**)	N/A	(YES)	NO
9.	Were **airbills** present and/or removable?	N/A	(YES)	NO
10.	Are all **aqueous samples** requiring preservation **preserved correctly**? (excluding volatile organics)	N/A	YES	(NO)
11.	Are all aqueous **non-preserved samples** at the **correct pH**?	N/A	(YES)	NO
12.	Is there **sufficient sample** for the requested analyses?		(YES)	NO
13.	Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
14.	Are all samples within **holding times** for the requested analyses?		(YES)	NO
15.	Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
16.	Are all samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble:** ✓ < green pea ____ > green pea	N/A	YES	(NO)
17.	Were samples checked for and free from the presence of **residual chlorine?** (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	(N/A)	YES	NO
18.	Were the sample(s) **shipped on ice**?	N/A	(YES)	NO
19.	Were cooler temperatures measured at 0.1-6.0°C?	N/A	(YES)	NO

***IR gun used** *(circle one)*: #2 - Oakton InfraPro II, SN2922500201-0066; (#4) - Oakton InfraPro II, SN2372220101-0002

Cooler #'s 1

Temperature (°C) 3.2

No. of custody seals 2

DOT Survey/ Acceptance Information

External µR/hr reading 14

Background µR/hr reading 12

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) / NO (If no, see Form 008.)

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE EXCEPT #1 AND #2.

- Metals bottles for samples 10 + 11 rec'd unpreserved. Potential organics suspected prevented preservation in field, will be filtered and preserved as needed by laboratory.
- ID discrepancies - see p. 2
- Both VOA bottles for sample 10 rec'd w/ headspace.

If applicable, was the client contacted? (YES) / NO / NA Contact Name: S. Pullen Date/Time: 6/24

Project Manager Signature/ Date: [signature] 6/24/05

Form 201r18.xls (6/26/04)

CONDITION OF SAMPLE UPON RECEIPT FORM **Paragon Analytics**

Client: NMED Workorder No: 0506217

Project Manager: CRS Initials: MN Date: 6/24/05

Sample ID Discrepancy:

	COC Information				Bottle Information			
Paragon ID	Client ID	Date	Time	Analysis	Bottle ID	Date	Time	Analysis
0506217-3	GMI-UST-3	6/22/05	1500	TCLP/TPH	GMI-Cell-3	6/22/05	1500	TCLP/TPH
-4	GMI-UST-4		1530		GMI-Cell-4		1530	
-5	GMI-UST-5		1610		GMI-Cell-5		1610	
-6	GMI-UST-6		1611		GMI-Cell-6		1611	

Logged per COC until notified otherwise.

If applicable, was the client contacted? **YES / NO / NA** Client Rep. Name:_____ Date/Time:_____

Project Manager Signature/ Date: 6/24

Form 201r18.xls (6/26/04)

FedEx. US Airbill Express

FedEx Tracking Number 8517 7528 4513

Recipients Cop

1 From

Date 6/23/07 [redacted]

Sender's Name STEVE FOLLEN Phone 505 438 8544

Company NM ENVIRONMENT Dept.

Address 2905 RODEO RD. EAST BLD. 1 Dept./Floor/Suite/Room

City SANTA FE State NM ZIP 87502

2 Your Internal Billing Reference

3 To Recipient's

Name LANCE STEERE Phone 970 490 1511

Company PARAGON ANALYTICAL

Recipient's Address 225 COMMERCE DR.

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City FT. COLLINS State CO ZIP 80524

8517 7528 4513

4a Express Package Service — Packages up to 150 lbs.

- [X] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service — Packages over 150 lbs.

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [X] Other

6 Special Handling

- [ ] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day

†Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed
- [X] Recipient
- [ ] Third Party
- [ ] Credit Card

[redacted] 12 [redacted]

Total Packages	Total Weight	Total Declared Value†	Total Charges
1	57	$ .00	

†Our liability is limited to $100 unless you declare a higher value. See back for details.

Credit Card Auth.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339.

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467

Analytical Results

Diesel Range Organics

Method SW8015MB

Method Blank

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050627-1MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 27-Jun-05
Date Analyzed: 30-Jun-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 20 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21129

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	1	5	5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	11.2		12.5	90	47 - 142

Data Package ID: *HCD0506217-1*

Diesel Range Organics

Method SW8015MB

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-4
Lab ID: 0506217-4

Sample Matrix: SOIL
% Moisture: 2.5
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 30-Jun-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 20 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21140

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	1	2	5.1	J	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	12.4		12.8	97	47 - 142

Data Package ID: *HCD0506217-1*

Diesel Range Organics

Method SW8015MB

Sample Results

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-6
Lab ID: 0506217-6

Sample Matrix: SOIL
% Moisture: 1.1
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 20.01 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21141

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	1	290	5.1	H,M	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	10.9		12.6	86	47 - 142

The chromatogram for Diesel Range Organics indicates the presence of hydrocarbons in the range of C10-C36.

Data Package ID: *HCD0506217-1*

Diesel Range Organics

Method SW8015MB

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-LBB-2
Lab ID: 0506217-7

Sample Matrix: SOIL
% Moisture: 21.9
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 20.12 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21142

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	1	1500	6.4	H,M	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	14.5		15.9	91	47 - 142

The chromatogram for Diesel Range Organics indicates the presence of hydrocarbons in the range of C10-C36.

Data Package ID: *HCD0506217-1*

Diesel Range Organics

Method SW8015MB

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-VOR
Lab ID: 0506217-9

Sample Matrix: SOIL
% Moisture: 2.3
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 20.06 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21143

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	1	51	5.1	M	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	12.3		12.8	96	47 - 142

The chromatogram for Diesel Range Organics indicates the presence of hydrocarbons in the range of C16-C34.

Data Package ID: *HCD0506217-1*

Diesel Range Organics

Method SW8015MB

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-2
Lab ID: 0506217-2

Sample Matrix: SOIL
% Moisture: 8.2
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 20.03 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21153

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	10	2600	54	H,M	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL		X	13.6		47 - 142

The chromatogram for Diesel Range Organics indicates the presence of hydrocarbons in the range of C10-C36.

Data Package ID: *HCD0506217-1*

Diesel Range Organics

Method SW8015MB

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-3
Lab ID: 0506217-3

Sample Matrix: SOIL
% Moisture: 6
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 20.14 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21154

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	50	9000	260	D,M	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL		X	13.2		47 - 142

The chromatogram for Diesel Range Organics indicates the presence of hydrocarbons in the range of C8-C32.

Data Package ID: *HCD0506217-1*

Diesel Range Organics

Method SW8015MB

Sample Results

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-1
Lab ID: 0506217-1

Sample Matrix: SOIL
% Moisture: 3.5
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 20.02 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21155

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	10	11000	52	H	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL		X	12.9		47 - 142

The chromatogram for Diesel Range Organics indicates the presence of hydrocarbons in the range of C10-C36.

Data Package ID: *HCD0506217-1*

Diesel Range Organics

Method SW8015MB

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-UST-5
Lab ID: 0506217-5

Sample Matrix: SOIL
% Moisture: 6.9
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 20.12 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21157

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	10	11000	53	H,M	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL		X	13.3		47 - 142

The chromatogram for Diesel Range Organics indicates the presence of hydrocarbons in the range of C10-C36.

Data Package ID: *HCD0506217-1*

Diesel Range Organics

Method SW8015MB

Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-LBB-1
Lab ID: 0506217-8

Sample Matrix: SOIL
% Moisture: 33.9
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 13-Jul-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050713-3A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 20.04 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21469

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	Diesel Range Organics	50	53000	380	H, Z	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL		X	18.9		47 - 142

The chromatogram for Diesel Range Organics indicates the presence of hydrocarbons in the range of C10-C32.

Data Package ID: *HCD0506217-1*

Supporting QA/QC Data

Surrogate Summary for Diesel Range Organics

Method SW8015M

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

PrepBatchID: EX050627-1
QC Batch ID: EX050627-1-1
Date Extracted: 6/27/2005

Surrogate Compound	Control Limits Lower	Control Limits Upper
o-terphenyl	47	142

Lab ID	Client Sample ID	Date Collected	Date Received	% Recovery
0506217-1	GMI-UST-1	6/22/2005	6/24/2005	
0506217-2	GMI-UST-2	6/22/2005	6/24/2005	
0506217-3	GMI-UST-3	6/22/2005	6/24/2005	
0506217-4	GMI-UST-4	6/22/2005	6/24/2005	97
0506217-5	GMI-UST-5	6/22/2005	6/24/2005	
0506217-6	GMI-UST-6	6/22/2005	6/24/2005	86
0506217-7	GMI-LBB-2	6/22/2005	6/24/2005	91
0506217-8	GMI-LBB-1	6/22/2005	6/24/2005	
0506217-9	GMI-VOR	6/22/2005	6/24/2005	96
0506217-9MSD	GMI-VOR	6/22/2005	6/24/2005	103
0506217-9MS	GMI-VOR	6/22/2005	6/24/2005	98
EX050627-1MB	XXXXXXX	6/27/2005	6/24/2005	90
EX050627-1LCSD	XXXXXXX	6/27/2005	6/24/2005	93
EX050627-1LCS	XXXXXXX	6/27/2005	6/24/2005	97

Data Package ID: *HCD0506217-1*

Diesel Range Organics

Method SW8015MB

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Lab ID: EX050627-1LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/27/2005
Date Analyzed: 06/30/2005
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 20 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21132

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
68334-30-5	Diesel Range Organics	50	47.7	5		95	43 - 139%

Lab ID: EX050627-1LCSD

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 06/27/2005
Date Analyzed: 06/30/2005
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 20 g
Final Volume: 5 ml
Result Units: mg/kg
Clean DF: 1
File Name: F3F21133

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
68334-30-5	Diesel Range Organics	50	43.2	5		86	20	10

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
84-15-1	O-TERPHENYL	12.5	97		93		47 - 142

Data Package ID: *HCD0506217-1*

Diesel Range Organics

Method SW8015MB

Matrix Spike And Matrix Spike Duplicate

Lab Name: **Paragon Analytics**
Work Order Number: 0506217
Client Name: NMED DOE Oversight Bureau
ClientProject ID: Gandy Marley, Inc.

Field ID: GMI-VOR
LabID: 0506217-9MS

Sample Matrix: SOIL
% Moisture: 2.3
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 20.06 g
Final Volume: 5 ml
Result Units: mg/kg
File Name: F3F21144

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
68334-30-5	Diesel Range Organics	51	M	122		5.1	51	138	43 - 139%

Field ID: GMI-VOR
LabID: 0506217-9MSD

Sample Matrix: SOIL
% Moisture: 2.3
Date Collected: 22-Jun-05
Date Extracted: 27-Jun-05
Date Analyzed: 01-Jul-05
Prep Method: METHOD

Prep Batch: EX050627-1
QCBatchID: EX050627-1-1
Run ID: HCD050629-6A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 20.06 g
Final Volume: 5 ml
Result Units: mg/kg
File Name: F3F21145

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
68334-30-5	Diesel Range Organics	105		51	105	5.1	20	15

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
84-15-1	O-TERPHENYL	12.8	98		103		47 - 142

Data Package ID: *HCD0506217-1*

Prep Batch ID: EX050627-1

Start Date: 06/27/05
Start Time: 10:07
Prep Analyst: Andrew Ross Freem

End Date: 06/27/05
End Time: 10:52

Concentration Method: NONE
Extract Method: METHOD
Initial Volume Units: g
Final Volume Units: ml

Batch Created By: arf
Date Created: 06/27/05
Time Created: 9:00
Validated By: arf
Date Validated: 06/27/05
Time Validated: 9:55

Comments:

QC Batch ID: EX050627-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX050627-1	MB	XXXXXX	SOIL	XXXXXX	20	5	NONE	1	0506217
EX050627-1	LCS	XXXXXX	SOIL	XXXXXX	20	5	NONE	1	0506217
EX050627-1	LCSD	XXXXXX	SOIL	XXXXXX	20	5	NONE	1	0506217
0506217-9	MS	GMI-VOR	SOIL	6/22/2005	20.06	5	NONE	1	0506217
0506217-9	MSD	GMI-VOR	SOIL	6/22/2005	20.06	5	NONE	1	0506217
0506183-1	SMP	XXXXXX	SOIL	XXXXXX	20.01	5	NONE	1	0506183
0506217-1	SMP	GMI-UST-1	SOIL	6/22/2005	20.02	5	NONE	1	0506217
0506217-2	SMP	GMI-UST-2	SOIL	6/22/2005	20.03	5	NONE	1	0506217
0506217-3	SMP	GMI-UST-3	SOIL	6/22/2005	20.14	5	NONE	1	0506217
0506217-4	SMP	GMI-UST-4	SOIL	6/22/2005	20	5	NONE	1	0506217
0506217-5	SMP	GMI-UST-5	SOIL	6/22/2005	20.12	5	NONE	1	0506217
0506217-6	SMP	GMI-UST-6	SOIL	6/22/2005	20.01	5	NONE	1	0506217
0506217-7	SMP	GMI-LBB-2	SOIL	6/22/2005	20.12	5	NONE	1	0506217
0506217-8	SMP	GMI-LBB-1	SOIL	6/22/2005	20.04	5	NONE	1	0506217
0506217-9	SMP	GMI-VOR	SOIL	6/22/2005	20.06	5	NONE	1	0506217

QC Types

CAR	Carrier reference sample
LCS	Laboratory Control Sample
MB	Method Blank
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Initial Calibration Summary

Paragon Analytics

Inst. ID: FUELS3

C:\HPCHEM\5\METHODS\D062805.M
Calibration Date: 6/28/05

1 = F3F21086.D 2 = F3F21087.D 3 = F3F21088.D 4 = F3F21089.D
5 = F3F21090.D 6 = F3F21091.D 7 = F3F21092.D 8 = F3F21093.D

	Calibration Factors								
Compounds	1	2	3	4	5	6	7	8	
TEPH	2973.25	3127.90	3600.25	4146.17	4118.01	4750.48	6672.48	12395.45	
o-terphenyl	2853.79	3030.49	3395.99	3835.32	3391.10	3325.90	3440.00	3600.50	

	Ave. CF	%RSD	Corr.	Curve fit	Linear curve info			
Compounds			r2	type	slope	y-int	x*x	
TEPH	5223.0	59.8	0.998	Linear	2935.042	342269.80	0.00	
o-terphenyl	3359.1	9.3	0.998	Linear	2851.925	21139.00	0.00	

	Calibration Level (µg/ml)								
Compounds	1	2	3	4	5	6	7	8	
TEPH	5000	2500	1000	500	200	100	50	20	
o-terphenyl	500	250	100	50	20	10	5	2	

8
6/30/05

Calibration Verification Summary

Paragon Analytics

Sample: 500µg/ml DRO ICV

Data File #1: C:\HPCHEM\5\DATA\06282005\F3F21097.D Column #1: DB-5.625

	Column #1				Col. #1	Col. #1
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc µg/ml	Conc µg/ml	%D
o-terphenyl	17.100	0.000	17.100	0	0	0
TEPH	15.000	15.000	0.000	500	557	11

6/30/05

Calibration Verification Summary

Paragon Analytics

Sample: 600µg/ml DRO CCV2

Data File #1: C:\HPCHEM\5\DATA\06292005\F3F21123.D Column #1: DB-5.625

	Column #1				Col. #1	Col. #1
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc µg/ml	Conc µg/ml	%D
o-terphenyl	17.100	17.063	0.037	60	63	4
TEPH	15.000	15.000	0.000	600	618	3

6/30/05

Calibration Verification Summary

Paragon Analytics

Sample: 600µg/ml DRO CCV3

Data File #1: C:\HPCHEM\5\DATA\06292005\F3F21135.D Column #1: DB-5.625

	Column #1				Col. #1	Col. #1
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc µg/ml	Conc µg/ml	%D
o-terphenyl	17.100	17.057	0.043	60	63	5
TEPH	15.000	15.000	0.000	600	641	7

7/1/05

Calibration Verification Summary

Paragon Analytics

Sample: 600µg/ml DRO CCV4

Data File #1: C:\HPCHEM\5\DATA\06292005\F3F21147.D Column #1: DB-5.625

	Column #1				Col. #1	Col. #1
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc µg/ml	Conc µg/ml	%D
o-terphenyl	17.100	17.050	0.050	60	59	2
TEPH	15.000	15.000	0.000	600	556	7

7/1/05

Calibration Verification Summary

Paragon Analytics

Sample: 600µg/ml DRO CCV5

Data File #1: C:\HPCHEM\5\DATA\06292005\F3F21159.D Column #1: DB-5.625

	Column #1				Col. #1	Col. #1
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc µg/ml	Conc µg/ml	%D
o-terphenyl	17.100	17.050	0.050	60	58	4
TEPH	15.000	15.000	0.000	600	658	10

7/6/05

Initial Calibration Summary

Paragon Analytics

Inst. ID: FUELS3

C:\HPCHEM\5\METHODS\D071305.M
Calibration Date: 07/13/05

1 = F3F21455.D 2 = F3F21456.D 3 = F3F21457.D 4 = F3F21458.D
5 = F3F21459.D 6 = F3F21460.D 7 = F3F21461.D 8 = F3F21462.D

	Calibration Factors								
Compounds	1	2	3	4	5	6	7	8	
TEPH	3507.34	3501.92	3673.98	4087.04	3517.52	3764.86	3971.38	5681.15	
o-terphenyl	3646.36	3617.68	3769.44	4169.76	3546.95	3678.40	3631.40	3764.50	

	Ave. CF	%RSD	Corr.	Curve fit	Linear curve info			
Compounds			r2	type	slope	y-int	x*x	
TEPH	3963.1	18.4	1.000	Linear	3491.266	85997.16	0.00	
o-terphenyl	3728.1	5.6	1.000	Linear	3633.479	5234.10	0.00	

	Calibration Level (µg/ml)								
Compounds	1	2	3	4	5	6	7	8	
TEPH	5000	2500	1000	500	200	100	50	20	
o-terphenyl	500	250	100	50	20	10	5	2	

8
7/14/05

Calibration Verification Summary

Paragon Analytics

Sample: 500µg/ml DRO ICV

Data File #1: C:\HPCHEM\5\DATA\07132005\F3F21468.D Column #1: DB-5.625

	Column #1				Col. #1	Col. #1
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc µg/ml	Conc µg/ml	%D
o-terphenyl	17.000	0.000	17.000	0	0	0
TEPH	15.000	15.000	0.000	500	474	5

8
7/14/05

Calibration Verification Summary

Paragon Analytics

Sample: 600µg/ml DRO CCV1

Data File #1: C:\HPCHEM\5\DATA\07132005\F3F21480.D Column #1: DB-5.625

	Column #1				Col. #1	Col. #1
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc µg/ml	Conc µg/ml	%D
o-terphenyl	17.000	16.990	0.010	60	61	1
TEPH	15.000	15.000	0.000	600	621	4

7/14/05

Supporting Raw Data

Instrument Name Fuels3

Paragon Analytics

Logbook No./Page 289948

Sequence File: C:\HPCHEM\5\SEQUENCE\06282005 , S Date Analyzed 6/28/05 Operator Ø GC Method TEPH II

Data Path: C:\HPCHEM\5\DATA\06282005 Analytical Method D062805 SOP 406 Rev. 11

Hexane Lot C0043 Dichloromethane Lot NA **Reviewed by / date** _____

Form 531r2.xls (9/14/2001)

Vial	Data File	Method	Sample Name	Comments	rr?
99	F3F21076	D062805	HEXANE		NT
100	F3F21077	D062805	PRIME		
100	F3F21078	D062805	PRIME		
100	F3F21079	D062805	PRIME		
100	F3F21080	D062805	PRIME		
100	F3F21081	D062805	PRIME		
100	F3F21082	D062805	PRIME		
96	F3F21083	D062805	HEXANE		
97	F3F21084	D062805	HEXANE		
98	F3F21085	D062805	HEXANE		
1	F3F21086	D062805	5000µg/ml DRO	1000µl ST050524-1 + Ø Hexane	N
2	F3F21087	D062805	2500µg/ml DRO	500µl 500µl	
3	F3F21088	D062805	1000µg/ml DRO	200µl 800µl	
4	F3F21089	D062805	500µg/ml DRO	100µl 900µl	
5	F3F21090	D062805	200µg/ml DRO	40µl 960µl	
6	F3F21091	D062805	100µg/ml DRO	20µl 980µl	
7	F3F21092	D062805	50µg/ml DRO	10µl 990µl	
8	F3F21093	D062805	20µg/ml DRO	4µl 996µl	
9	F3F21094	D062805	HYDROCARBON MIX	100µl ST041116-8 + 900µl Hexane	
99	F3F21095	D062805	HEXANE		—
100	F3F21096	D062805	HEXANE		—
91	F3F21097	D062805	500µg/ml DRO ICV	100µl ST040317-6 + 900µl Hexane	N
10	F3F21098	D062805	EX050617-4LCS	W/in Limits	
11	F3F21099	D062805	EX050617-4LCSD		
12	F3F21100	D062805	EX050617-4MB	BMDL	
13	F3F21101	D062805	0506134-1		
14	F3F21102	D062805	0506134-1MS		
15	F3F21103	D062805	0506134-1MSD		
16	F3F21104	D062805	0506134-2		
17	F3F21105	D062805	0506134-3		
92	F3F21106	D062805	600µg/ml DRO CCV1	120µl ST050524-1 + 880µl Hexane RR DRO ↑	N
93	F3F21107	D062805	600µg/ml DRO CCV2	120µl ST050524-1 + 880µl Hexane PASSES	N

6/29

Instrument Name Fuel 3

Paragon Analytics

Logbook No./Page 289949

Sequence File: C:\HPCHEM\5\SEQUENCE\06292005.S Date Analyzed 6/29/05 Operator S GC Method TEPH II

Data Path: C:\HPCHEM\5\DATA\06292005 Analytical Method D062805 SOP 406 Rev. 11

Hexane Lot C0043 Dichloromethane Lot NA **Reviewed by / date** _____

Form 531r2.xls (9/14/2001)

Vial	Data File	Method	Sample Name	Comments	rr?
96	F3F21108	D062805	HEXANE		—
97	F3F21109	D062805	HEXANE		—
98	F3F21110	D062805	HEXANE		—
91	F3F21111	D062805	600µg/ml DRO CCV1	120µl STOS0524-1 + 880µl Hexane (Passes)	N
1	*F3F21112	D062805	EX050622-1LCS	w/in Limits	
2	*F3F21113	D062805	EX050622-1LCSD	↓ ↓	
3	*F3F21114	D062805	EX050622-1MB	Clean	
4	*F3F21115	D062805	0506176-2		
5	*F3F21116	D062805	0506176-3		
6	*F3F21117	D062805	0506176-4		
7	*F3F21118	D062805	0506176-5		
8	*F3F21119	D062805	0506176-6		
9	*F3F21120	D062805	0506176-7		
10	*F3F21121	D062805	0506176-7MS		↓
97	F3F21122	D062805	HEXANE		—
92	F3F21123	D062805	600µg/ml DRO CCV2	120µl STOS0524-1 + 880µl Hexane (Passes)	N
11	*F3F21124	D062805	0506176-7MSD		
12	F3F21125	D062805	0506153-1		
13	F3F21126	D062805	0506153-2		
14	*F3F21127	D062805	0506176-9		
15	*F3F21128	D062805	EX050620-1MB	Clean	
16	*F3F21129	D062805	EX050627-1MB	↓	
17	*F3F21130	D062805	EX050620-1LCS	w/in Limits	
18	*F3F21131	D062805	EX050620-1LCSD		
19	*F3F21132	D062805	EX050627-1LCS		
20	F3F21133	D062805	EX050627-1LCSD	↓ ↓	↓
98	F3F21134	D062805	HEXANE		—
93	F3F21135	D062805	600µg/ml DRO CCV3	120µl STOS0524-1 + 880µl Hexane (Passes)	N
21	*F3F21136	D062805	EX050622-2LCS		
22	*F3F21137	D062805	EX050622-2LCSD		↓

37

S 6/30/05

Cont. on 289949

Instrument Name Fuels 3

Paragon Analytics

Logbook No./Page 289950

Sequence File: C:\HPCHEM\5\SEQUENCE\06292005.S Date Analyzed 6/29/05 Operator δ GC Method TEPH II

Data Path: C:\HPCHEM\5\DATA\06292005 Analytical Method D062805 SOP 406 Rev. 11

Hexane Lot C0043 Dichloromethane Lot MA **Reviewed by / date** _____ Form 531r2.xls (9/14/2001)

Vial	Data File	Method	Sample Name	Comments	rr?
23	*F3F21138	D062805	EX050622-2MB		N
24	F3F21139	D062805	0506183-1		
25	F3F21140	D062805	0506217-4		
26	F3F21141	D062805	0506217-6		
27	F3F21142	D062805	0506217-7		
28	F3F21143	D062805	0506217-9		
29	F3F21144	D062805	0506217-9MS		
30	F3F21145	D062805	0506217-9MSD		
99	F3F21146	D062805	HEXANE		—
94	F3F21147	D062805	600µg/ml DRO CCV4	120µl ST050524-1 + 880µl Hexane RASSES	N
51	*F3F21148	D062805	0506176-8		
52	*F3F21149	D062805	0506176-8MS		
53	*F3F21150	D062805	0506176-8MSD		
54	F3F21151	D062805	0506217-5	RR@ 10X	
96	F3F21152	D062805	HEXANE		—
55	F3F21153	D062805	0506217-2 ~~5X~~ ~~50X~~ 10X δ 7/6	20µl samp → 1mL Hex	N
56	F3F21154	D062805	0506217-3 50X	20µl samp → 1mL Hex	
57	F3F21155	D062805	0506217-1 10X	100µl samp → 1mL Hex	N
58	F3F21156	D062805	0506217-8 10X	100µl samp → 1mL Hex RR@ 50X δ	Y
59	F3F21157	D062805	0506217-5 10X	100µl samp → 1mL Hex 7/6/05	N
97	F3F21158	D062805	HEXANE		—
95	F3F21159	D062805	600µg/ml DRO CCV5	120µl ST050524-1 + 880µl Hexane RASSES	N
91	F3F21160	D062805	600µg/ml DRO CCV6	120µl ST050524-1 + 880µl Hexane DRO High	Y
60	F3F21161	D062805	0506217-8 50X		
98	F3F21162	D062805	HEXANE		
100	F3F21163	D062805	600µg/ml DRO CCV7	120µl ST050524-1 + 880µl Hexane DRO High	
96	F3F21164	D062805	HEXANE	Hexanes Run for Maintenance Purposes All file follow in order From F3F21164 to F3F21189	NA
↓	↓	↓	↓		↓
97	F3F21189	D062805	HEXANE		

δ 7/6/05

Cont. from 289949

Instrument Name Fuels 3

Paragon Analytics

Logbook No./Page 289962

Sequence File: C:\HPCHEM\5\SEQUENCE\07132005.S Date Analyzed 7/13/05 Operator S GC Method TEPH 11

Data Path: C:\HPCHEM\5\DATA\07132005 Analytical Method D071305 SOP 406 Rev. 11

Hexane Lot CW413 Dichloromethane Lot NA **Reviewed by / date** _____

Form 531r2.xls (9/14/2001)

Vial	Data File	Method	Sample Name	Comments	rr?
81	F3F21455	D071305	5000µg/ml DRO	1000µl ST050524-1 + Ø Hexane	N
82	F3F21456	D071305	2500µg/ml DRO	500µl + 500µl	
83	F3F21457	D071305	1000µg/ml DRO	200 ~~300~~µl + 800µl	
84	F3F21458	D071305	500µg/ml DRO	100 ~~900~~µl + 900µl	
85	F3F21459	D071305	200µg/ml DRO	40µl + 960µl	
86	F3F21460	D071305	100µg/ml DRO	20µl + 980µl	
87	F3F21461	D071305	50µg/ml DRO	10µl + 990µl	
88	F3F21462	D071305	20µg/ml DRO	4µl + 996µl	
89	F3F21463	D071305	HYDROCARBON MIX	100µl ST041116-8 + 900µl Hexane	
96	F3F21464	D071305	HEXANE		
97	F3F21465	D071305	HEXANE		
90	F3F21466	D071305	500µg/ml DRO ICV	100µl ST040317-6 + 900µl Hexane RR DRO is High	Y
98	F3F21467	D071305	HEXANE		
100	F3F21468	D071305	500µg/ml DRO ICV	100µl ST040317-6 + 900µl Hexane (PASSES)	N
1	F3F21469	D071305	0506217-8 50X		
2	F3F21470	D071305	0506150-1		
3	F3F21471	D071305	0506150-2		
4	F3F21472	D071305	0506150-2MS		
5	F3F21473	D071305	0506150-2MSD		
6	F3F21474	D071305	0506150-3		
7	F3F21475	D071305	0506150-4		
8	F3F21476	D071305	0506151-8		
9	F3F21477	D071305	0506151-7		
10	F3F21478	D071305	0506151-10		
98	F3F21479	D071305	HEXANE		
91	F3F21480	D071305	600µg/ml DRO CCV1	120µl ST050524-1 + 880µl Hexane (PASSES)	N
11	F3F21481	D071305	0506151-9		

S 7/14/05

Calibration Raw Data

Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21086.D Vial: 1
Acq On : 28 Jun 05 11:36 PM Operator: FIELDING
Sample : 5000µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 29 11:04 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.12	1426897	413.27 µg/ml
	Recovery	=	826.54%
Target Compounds			
1) H TEPH	15.00	14866230	4545.02 µg/ml

6/29/05

(f)=RT Delta > 1/2 Window (m)=manual int.

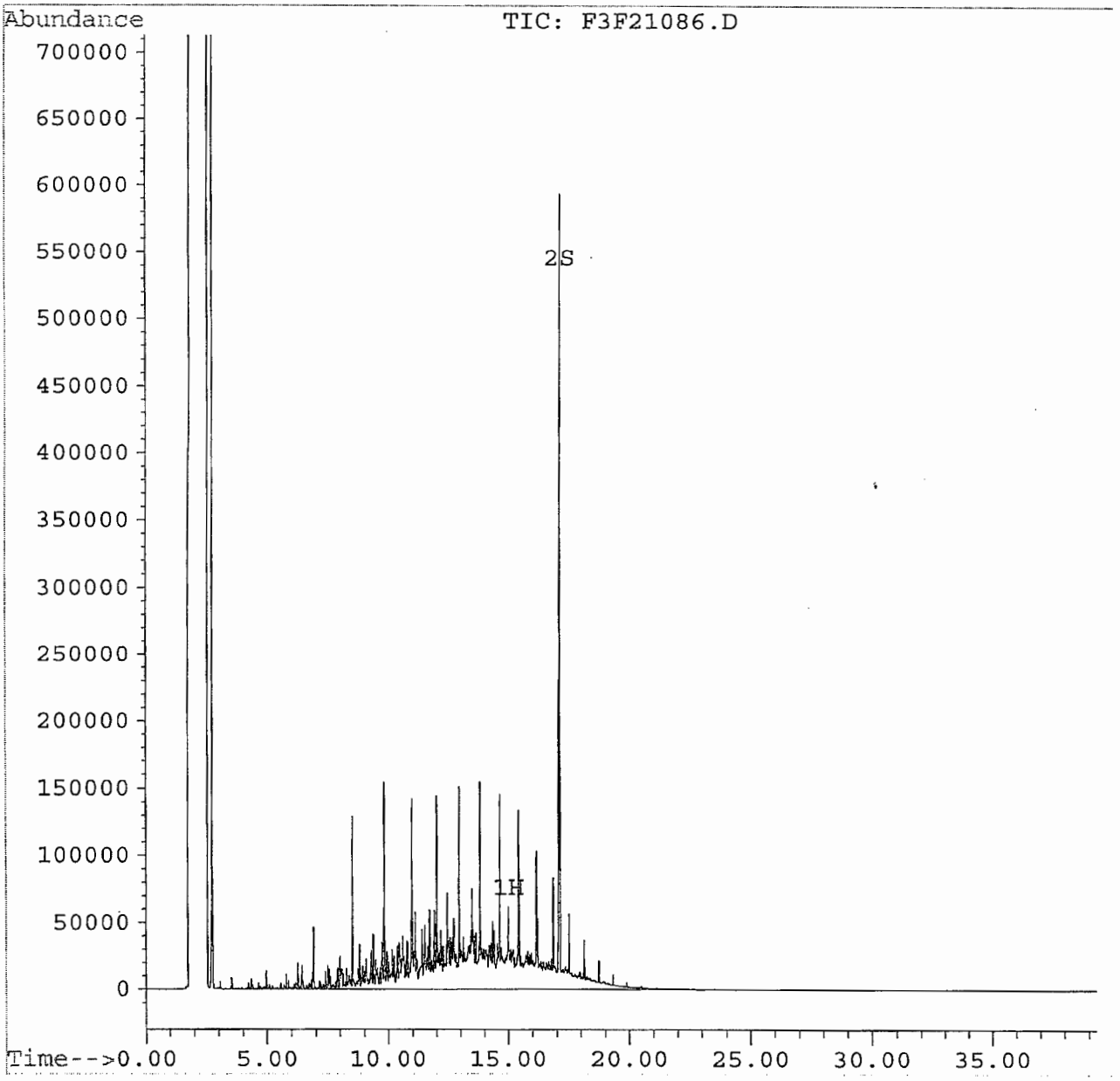
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21086.D
Acq On : 28 Jun 05 11:36 PM
Sample : 5000µg/ml DRO
Misc :
Quant Time: Jun 29 11:04 19105

Vial: 1
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21087.D Vial: 2
Acq On : 29 Jun 05 00:23 AM Operator: FIELDING
Sample : 2500µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 29 11:04 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.10	757622	218.47 µg/ml
		Recovery =	436.94%
Target Compounds			
1) H TEPH	15.00	7819754	2380.43 µg/ml

8
6/29/05

(f)=RT Delta > 1/2 Window (m)=manual int.

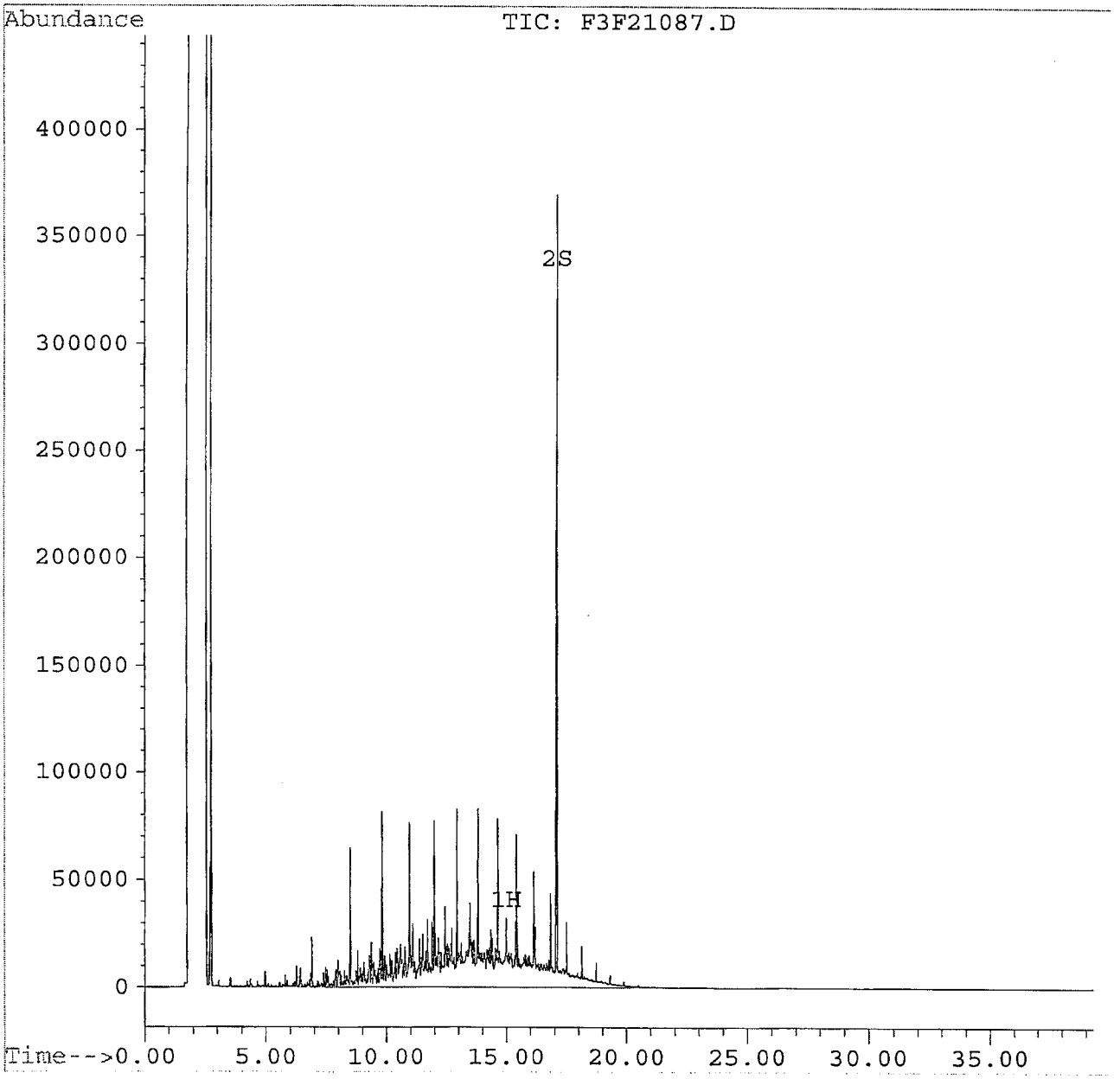
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21087.D
Acq On : 29 Jun 05 00:23 AM
Sample : 2500µg/ml DRO
Misc :
Quant Time: Jun 29 11:04 19105

Vial: 2
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21088.D Vial: 3
Acq On : 29 Jun 05 01:09 AM Operator: FIELDING
Sample : 1000µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 29 11:04 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.09	339599	96.80 µg/ml
	Recovery	=	193.60%
Target Compounds			
1) H TEPH	15.00	3600248	1084.24 µg/ml

6/29/05

(f)=RT Delta > 1/2 Window (m)=manual int.

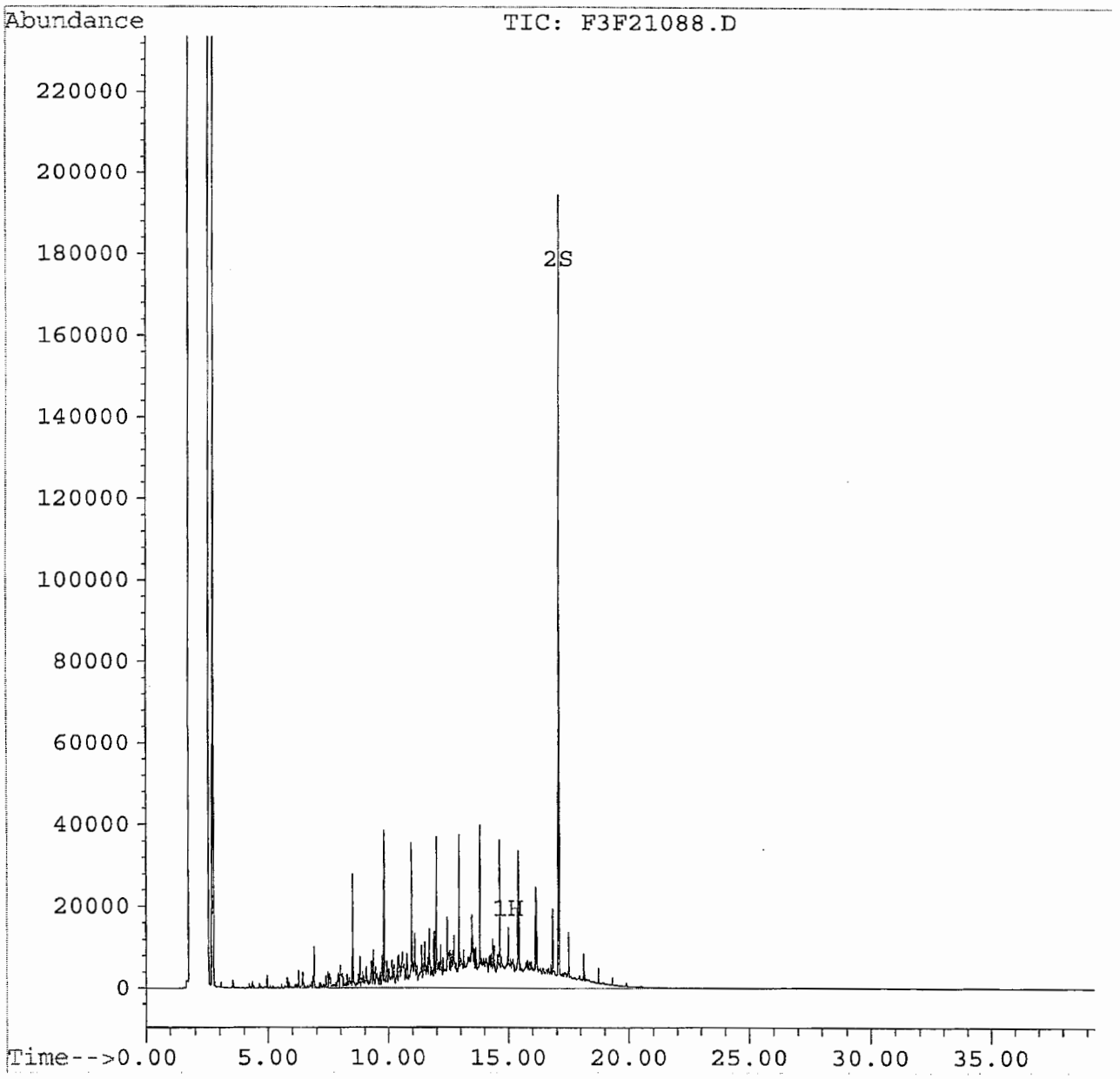
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21088.D
Acq On : 29 Jun 05 01:09 AM
Sample : 1000µg/ml DRO
Misc :
Quant Time: Jun 29 11:04 19105

Vial: 3
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21089.D Vial: 4
Acq On : 29 Jun 05 01:56 AM Operator: FIELDING
Sample : 500µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 29 11:04 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.08	191766	53.78 µg/ml
	Recovery	=	107.56%
Target Compounds			
1) H TEPH	15.00	2073085	615.12 µg/ml

S
6/29/05

(f)=RT Delta > 1/2 Window (m)=manual int.

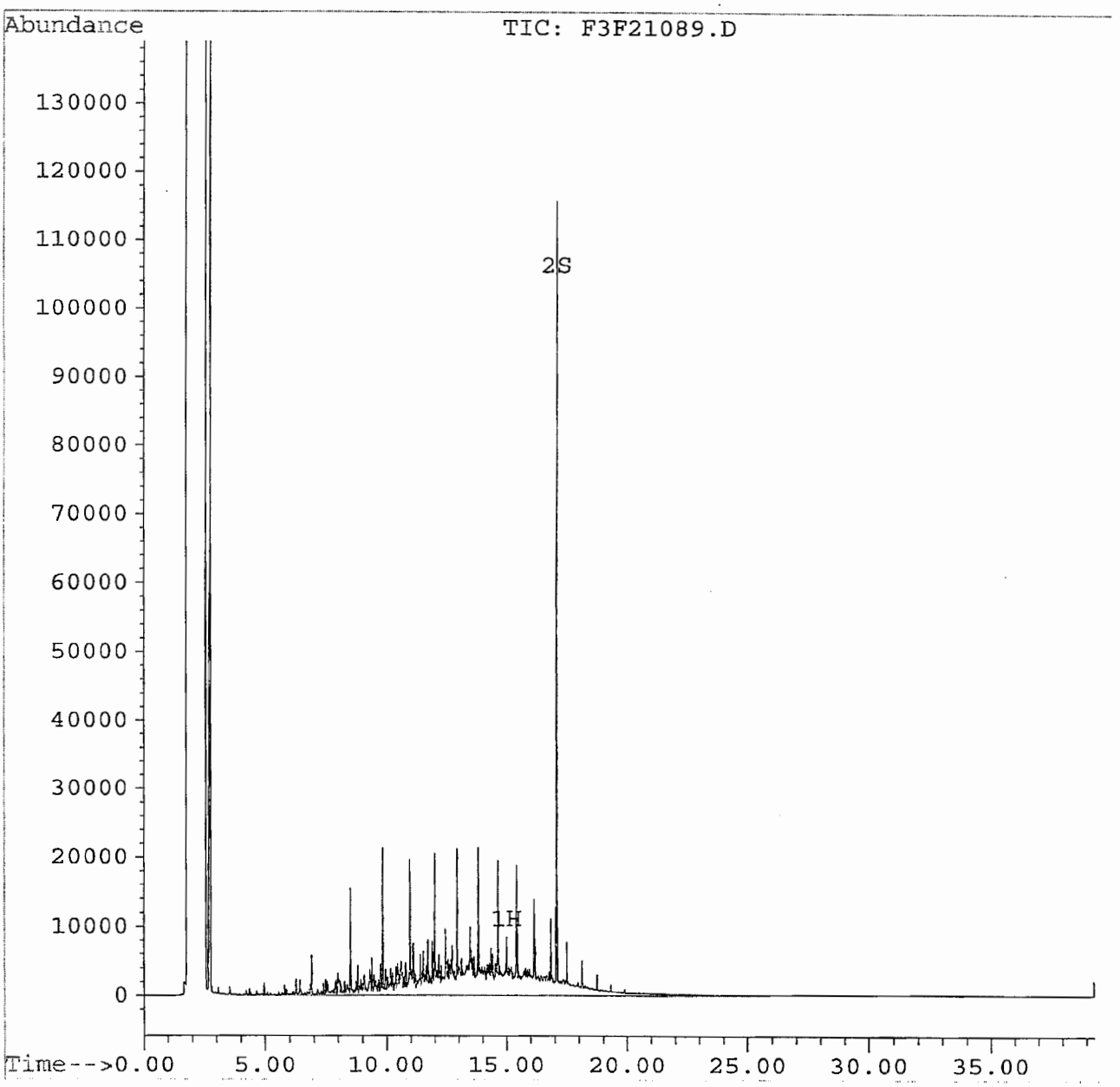
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21089.D
Acq On : 29 Jun 05 01:56 AM
Sample : 500µg/ml DRO
Misc :
Quant Time: Jun 29 11:04 19105

Vial: 4
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21090.D Vial: 5
Acq On : 29 Jun 05 02:43 AM Operator: FIELDING
Sample : 200µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 29 11:04 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.08	67822	17.70 µg/ml
	Recovery	=	35.40%
Target Compounds			
1) H TEPH	15.00	823602	231.29 µg/ml

8
6/29/05

(f)=RT Delta > 1/2 Window (m)=manual int.

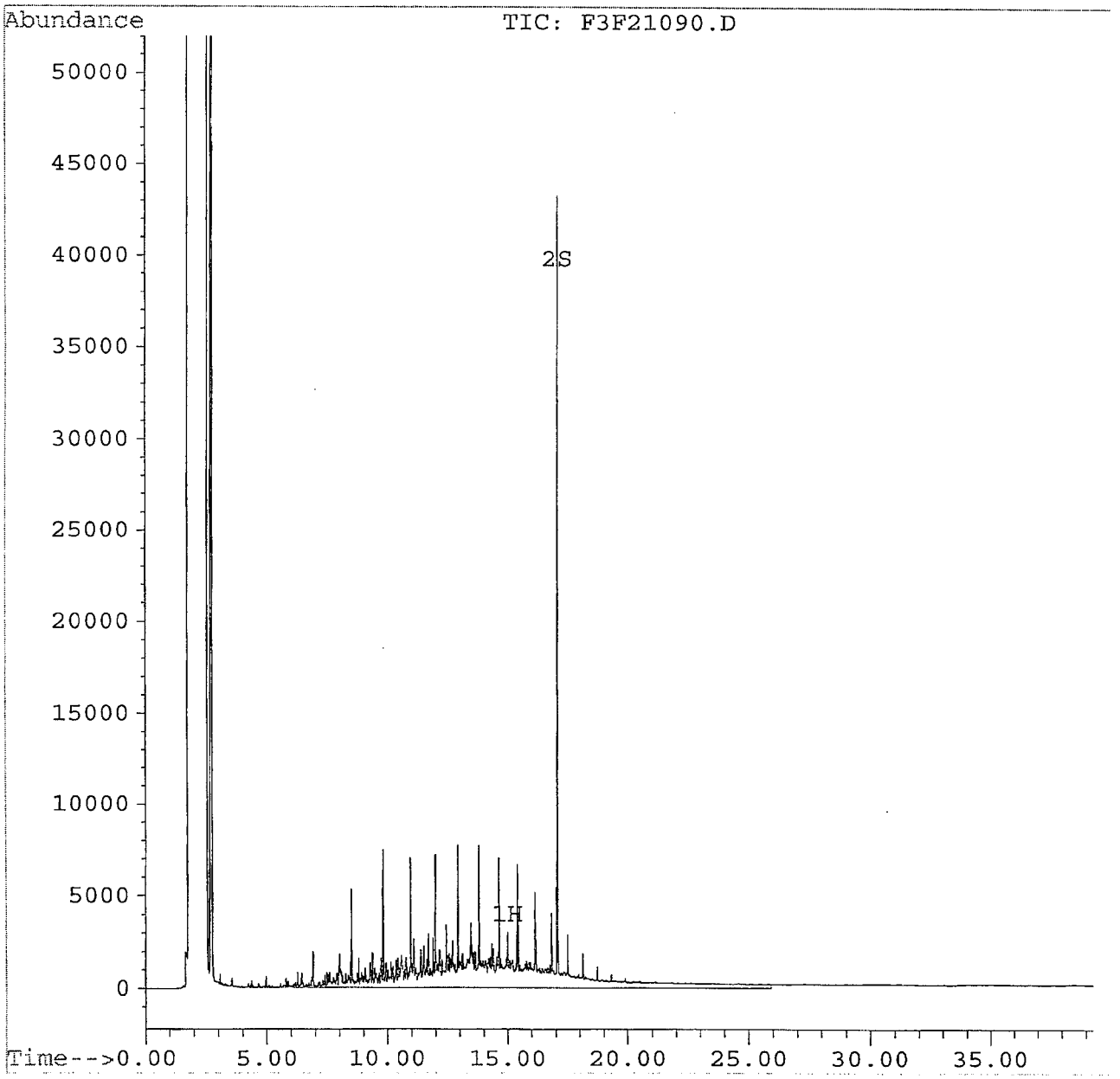
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21090.D
Acq On : 29 Jun 05 02:43 AM
Sample : 200µg/ml DRO
Misc :
Quant Time: Jun 29 11:04 19105

Vial: 5
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21091.D Vial: 6
Acq On : 29 Jun 05 03:29 AM Operator: FIELDING
Sample : 100µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 29 11:05 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.07	33259	7.64 µg/ml
	Recovery	=	15.28%
Target Compounds			
1) H TEPH	15.00	475048	124.22 µg/ml

8
6/29/05

(f)=RT Delta > 1/2 Window (m)=manual int.

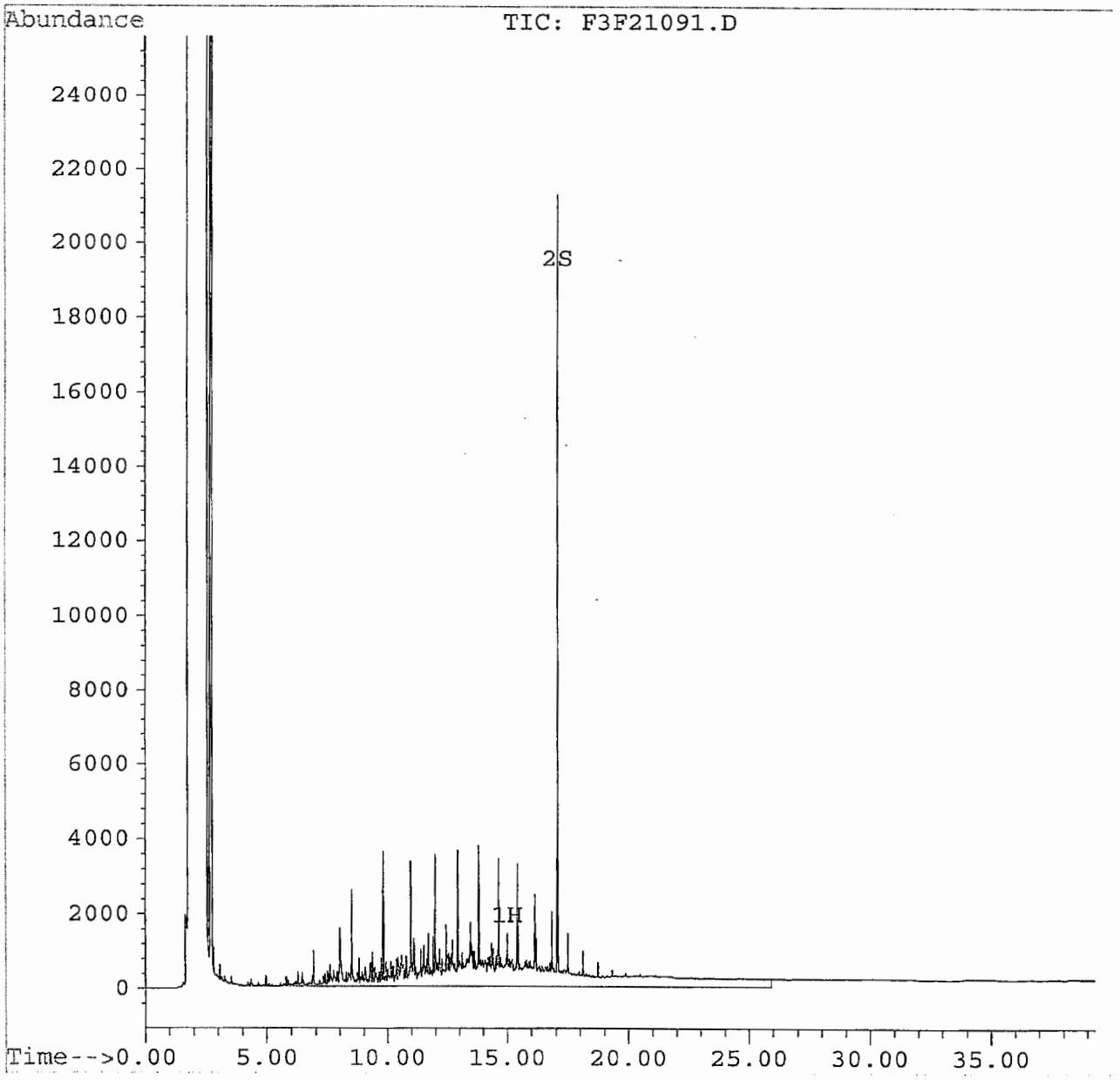
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21091.D
Acq On : 29 Jun 05 03:29 AM
Sample : 100µg/ml DRO
Misc :
Quant Time: Jun 29 11:05 19105

Vial: 6
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21092.D Vial: 7
Acq On : 29 Jun 05 04:16 AM Operator: FIELDING
Sample : 50µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 29 11:05 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.07	17200	2.97 µg/ml
	Recovery	=	5.94%
Target Compounds			
1) H TEPH	15.00	333624	80.77 µg/ml

6/29/05

(f)=RT Delta > 1/2 Window (m)=manual int.

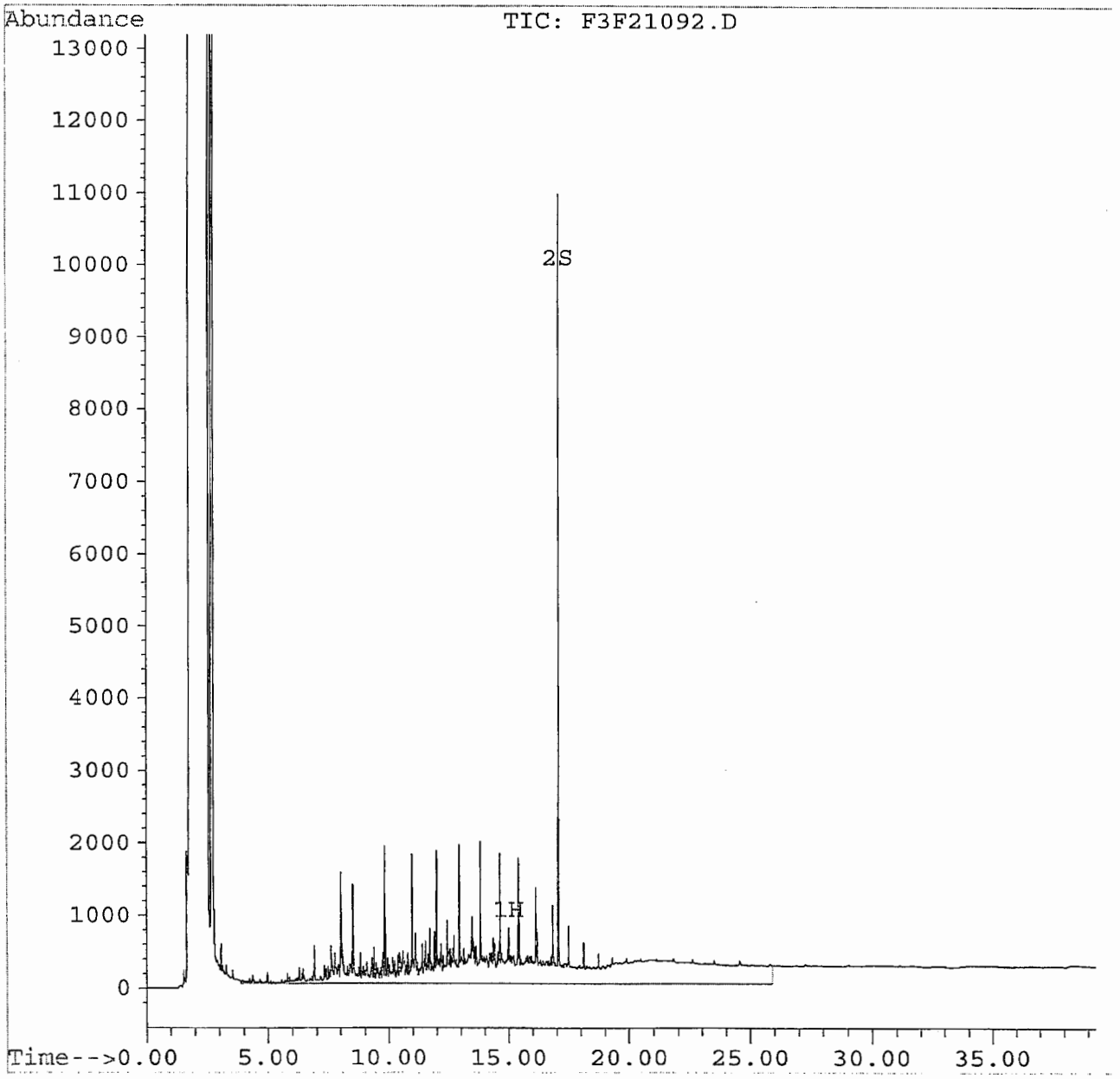
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21092.D
Acq On : 29 Jun 05 04:16 AM
Sample : 50µg/ml DRO
Misc :
Quant Time: Jun 29 11:05 19105

Vial: 7
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21093.D Vial: 8
Acq On : 29 Jun 05 05:03 AM Operator: FIELDING
Sample : 20µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 29 11:05 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.07	7201	<MDL µg/ml
	Recovery	=	0.00%
Target Compounds			
1) H TEPH	15.00	247909	54.44 µg/ml

S
6/29/05

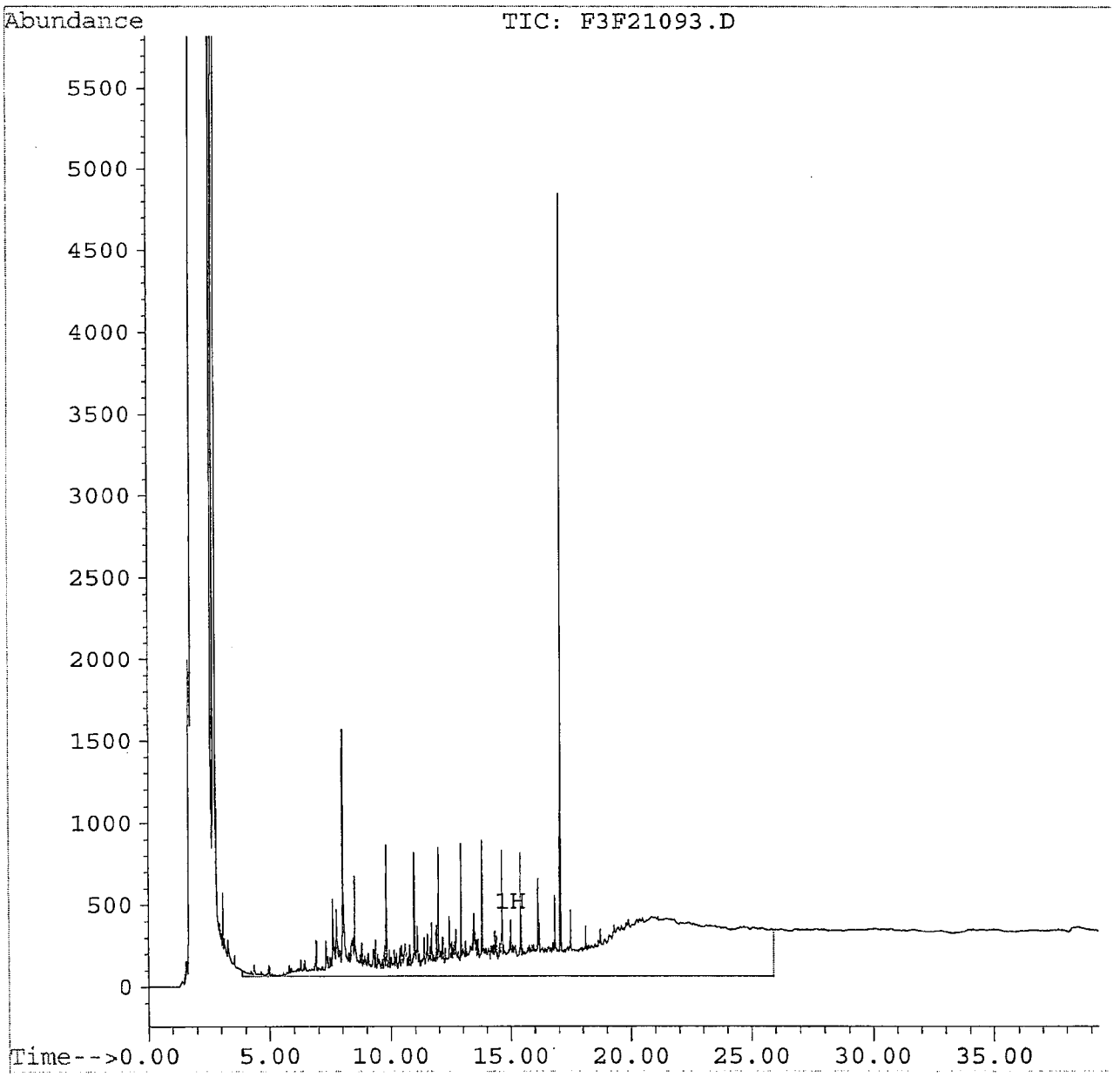
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21093.D Vial: 8
Acq On : 29 Jun 05 05:03 AM Operator: FIELDING
Sample : 20μg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 29 11:05 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jun 29 11:04:07 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21097.D Vial: 91
Acq On : 29 Jun 05 08:09 AM Operator: FIELDING
Sample : 500µg/ml DRO ICV Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 30 12:58 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	0.00	0	N.D. µg/ml
	Recovery	=	0.00%
Target Compounds			
1) H TEPH	15.00	1977053	556.99 µg/ml

S
6/30/05

(f)=RT Delta > 1/2 Window (m)=manual int.

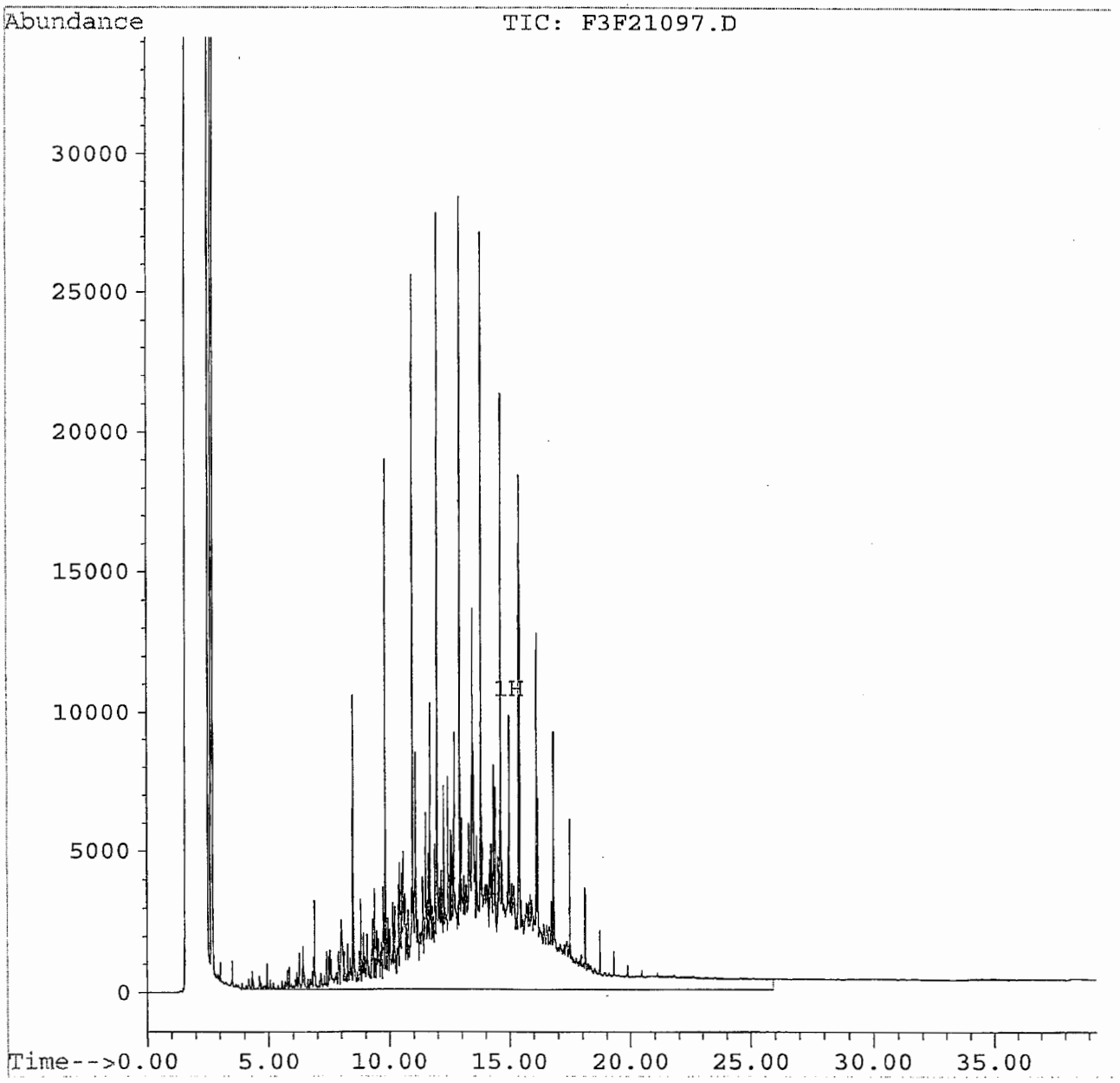
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06282005\F3F21097.D
Acq On : 29 Jun 05 08:09 AM
Sample : 500µg/ml DRO ICV
Misc :
Quant Time: Jun 30 12:58 19105

Vial: 91
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21123.D Vial: 92
Acq On : 30 Jun 05 10:27 AM Operator: FIELDING
Sample : 600µg/ml DRO CCV2 Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 30 13:57 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.06	199754	62.63 µg/ml
	Recovery	=	~~125.26%~~ 06/30
Target Compounds			
1) H TEPH	15.00	2157573	618.49 µg/ml

6/30/05

(f)=RT Delta > 1/2 Window (m)=manual int.

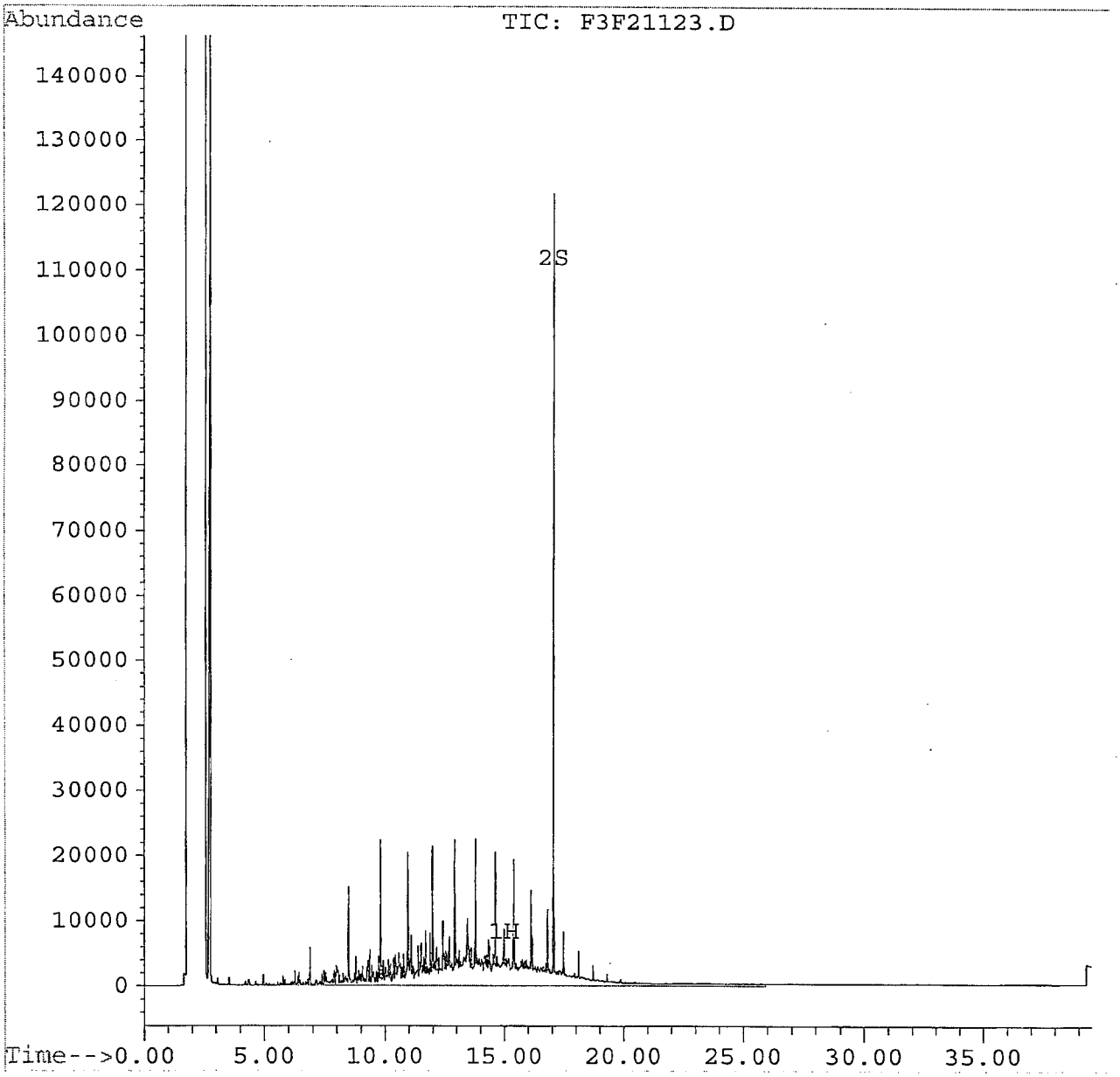
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21123.D
Acq On : 30 Jun 05 10:27 AM
Sample : 600µg/ml DRO CCV2
Misc :
Quant Time: Jun 30 13:57 19105

Vial: 92
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21135.D Vial: 93
Acq On : 30 Jun 05 08:07 PM Operator: FIELDING
Sample : 600µg/ml DRO CCV3 Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 9:09 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.06f	200467	62.88 µg/ml
	Recovery	=	~~125.76%~~ 8 7/1
Target Compounds			
1) H TEPH	15.00	2224991	641.46 µg/ml

8
7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

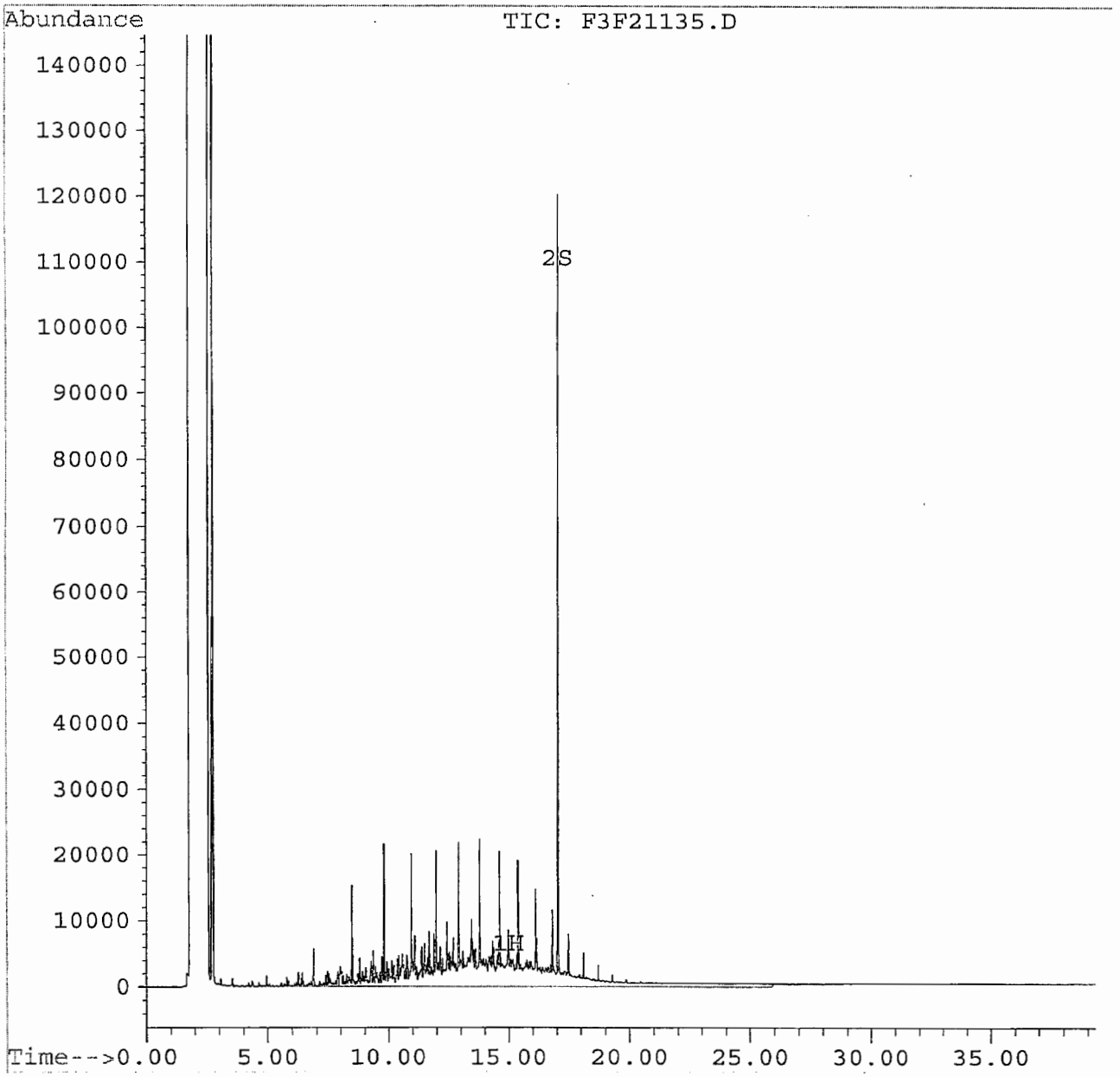
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21135.D
Acq On : 30 Jun 05 08:07 PM
Sample : 600µg/ml DRO CCV3
Misc :
Quant Time: Jul 1 9:09 19105

Vial: 93
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21147.D Vial: 94
Acq On : 01 Jul 05 05:24 AM Operator: FIELDING
Sample : 600µg/ml DRO CCV4 Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 9:10 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.05f	188619	58.73 µg/ml
	Recovery	=	~~117.46%~~ 7/1
Target Compounds			
1) H TEPH	15.00	1975100	556.32 µg/ml

δ
7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

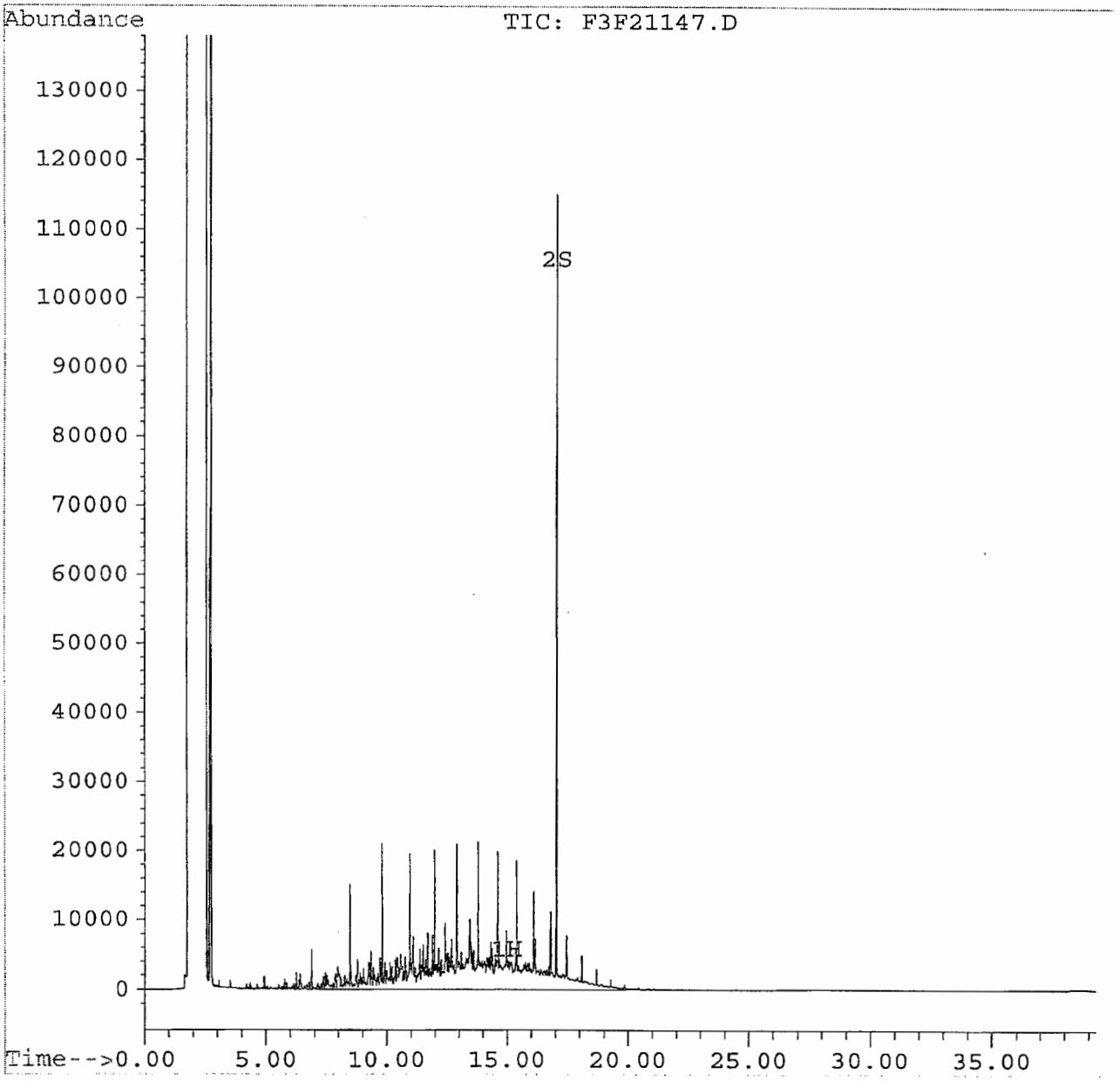
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21147.D
Acq On : 01 Jul 05 05:24 AM
Sample : 600µg/ml DRO CCV4
Misc :
Quant Time: Jul 1 9:10 19105

Vial: 94
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21159.D Vial: 95
Acq On : 01 Jul 05 02:44 PM Operator: FIELDING
Sample : 600µg/ml DRO CCV5 Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 6 11:07 19105

Method : C:\HPCHEM\5\METHODS\D070205.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Sun Jul 03 21:58:21 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.05f	186208	57.88 µg/ml
	Recovery	=	~~115.76%~~ 7/6
Target Compounds			
1) H TEPH	15.00	2273114	657.86 µg/ml

7/6/05

(f)=RT Delta > 1/2 Window (m)=manual int.

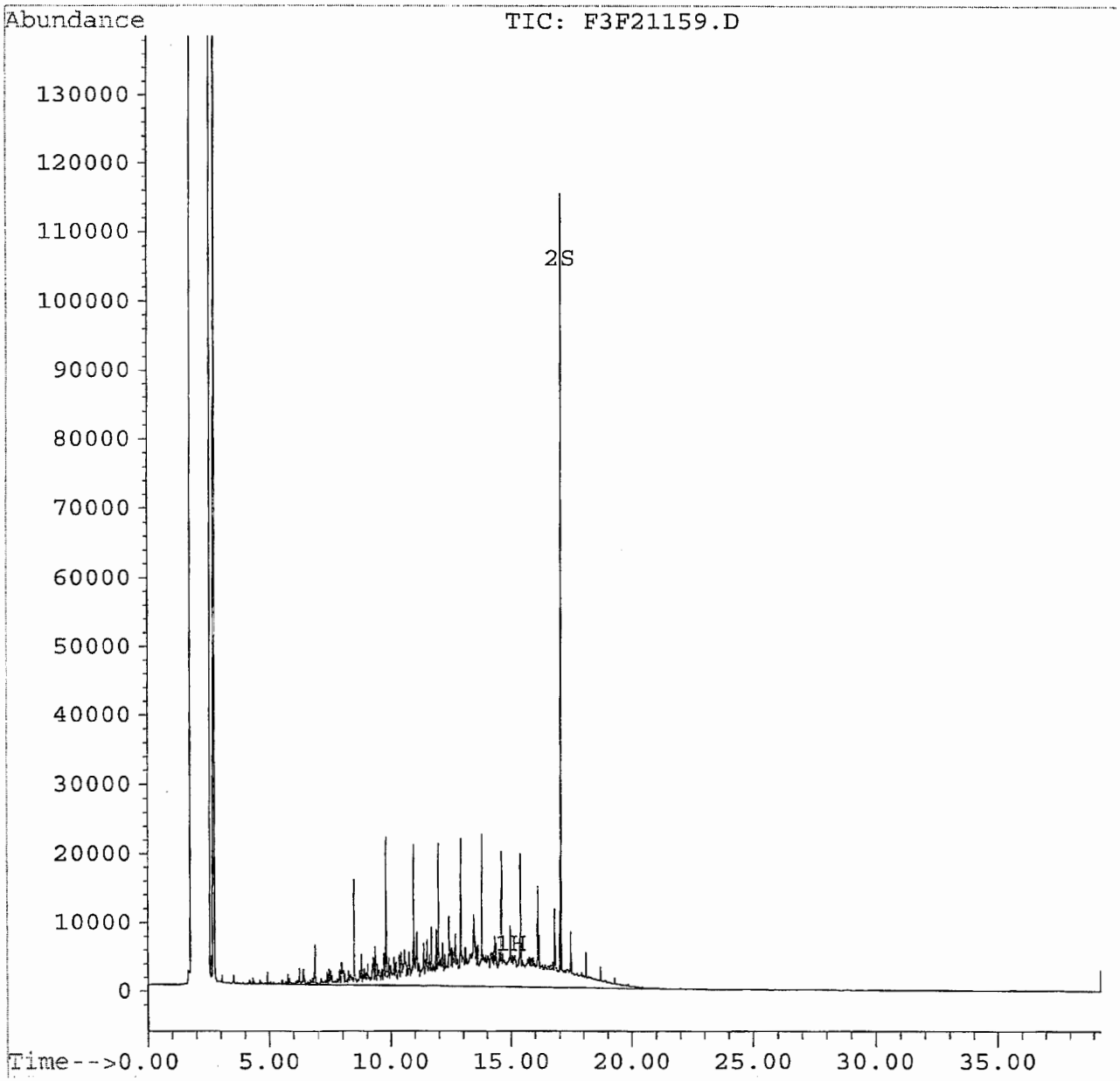
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21159.D
Acq On : 01 Jul 05 02:44 PM
Sample : 600µg/ml DRO CCV5
Misc :
Quant Time: Jul 6 11:07 19105

Vial: 95
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D070205.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Sun Jul 03 21:58:21 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

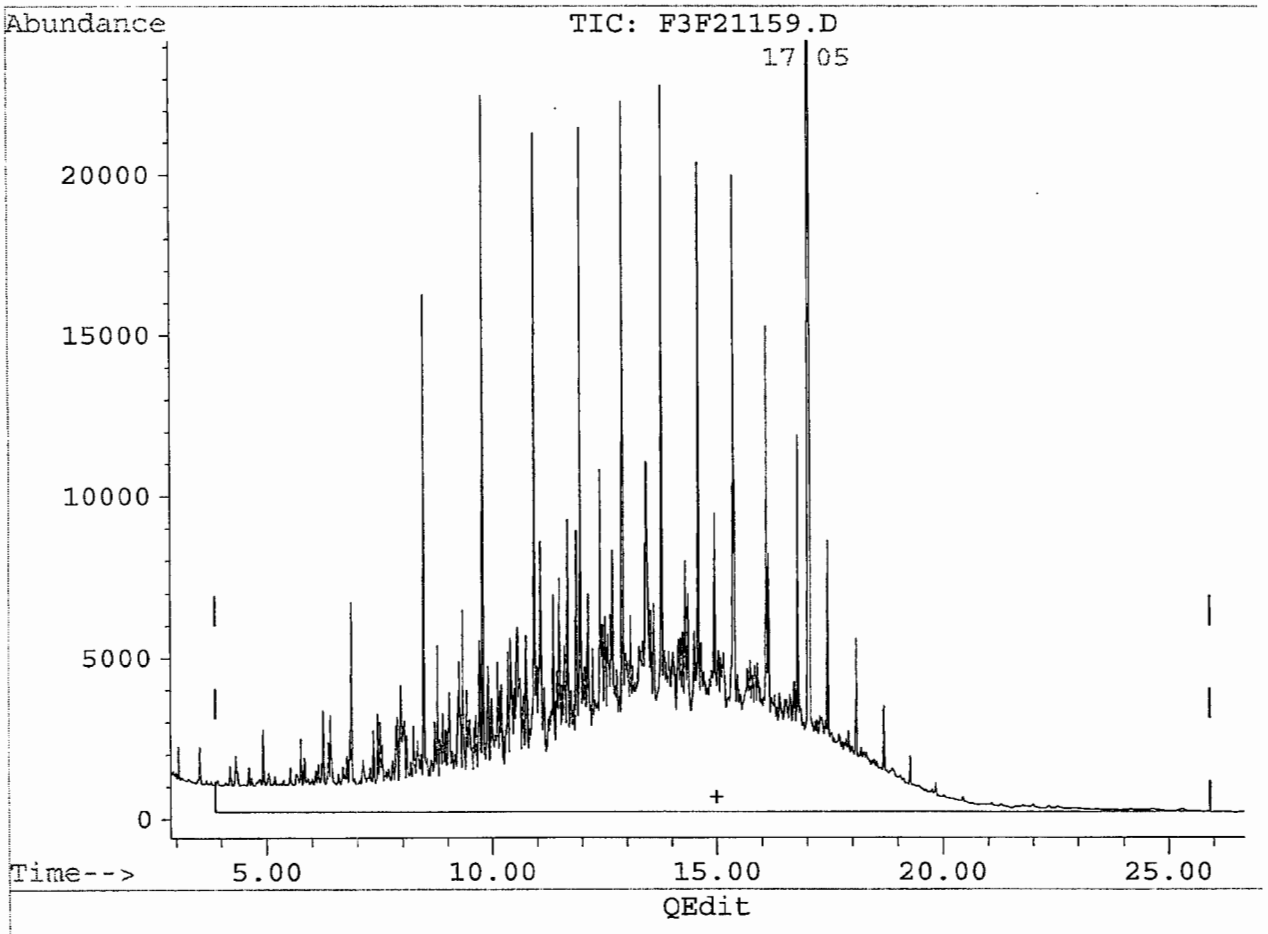


Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21159.D
Acq On : 01 Jul 05 02:44 PM
Sample : 600µg/ml DRO CCV5
Misc :
Quant Time: Jul 1 15:32 19105

Vial: 95
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D070205.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Sun Jul 03 21:58:21 2005
Response via : Multiple Level Calibration



(1) TEPH (H)
15.00min 833.03µg/ml m
response 2787258

BEFORE

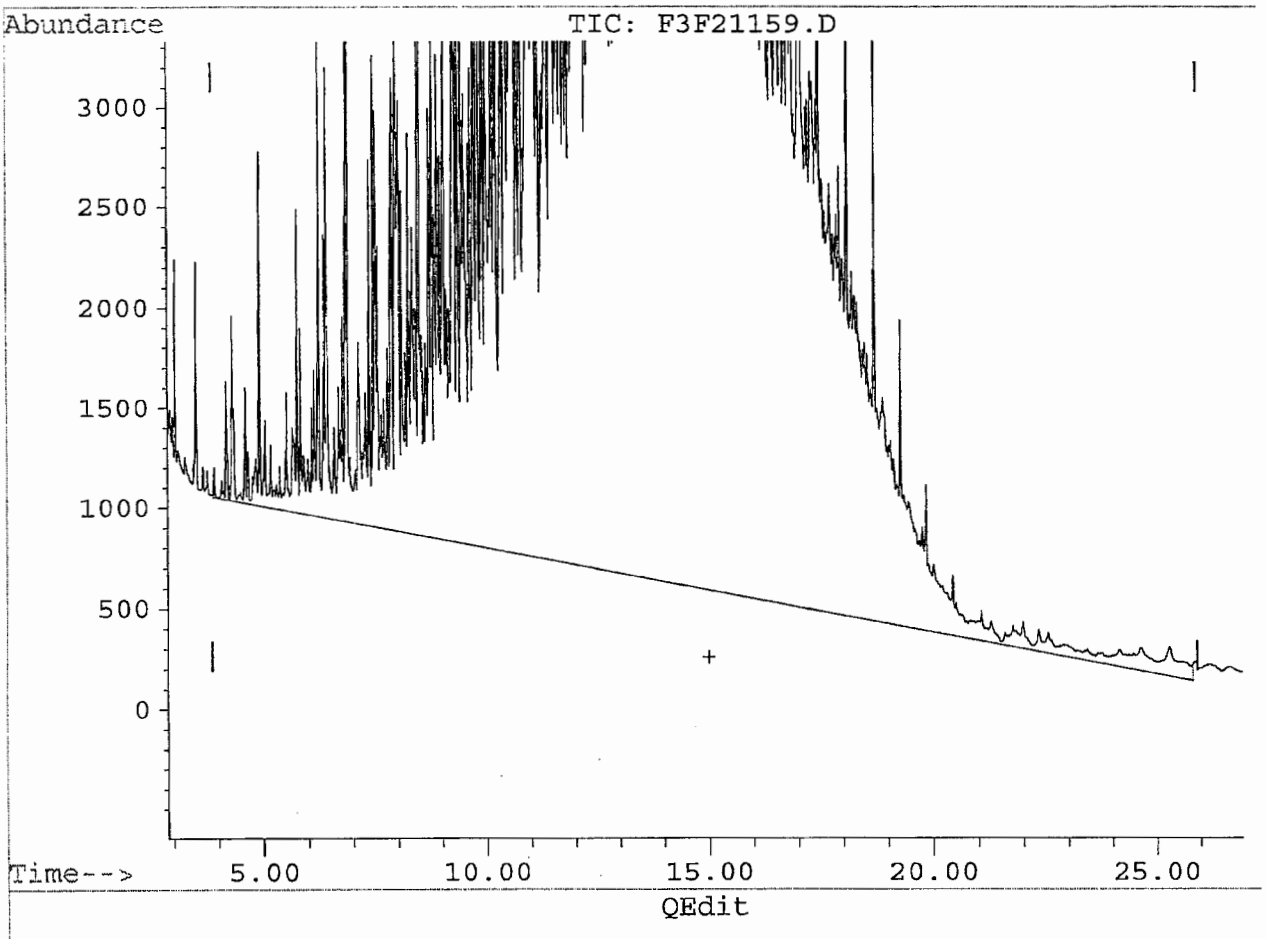
(+) = Expected Retention Time
F3F21159.D D070205.M Wed Jul 06 11:07:00 2005

Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21159.D
Acq On : 01 Jul 05 02:44 PM
Sample : 600µg/ml DRO CCV5
Misc :
Quant Time: Jul 6 11:07 19105

Vial: 95
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D070205.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Sun Jul 03 21:58:21 2005
Response via : Multiple Level Calibration



(1) TEPH
15.00min 657.86µg/ml m
response 2273114

(H)

MANUAL RE-INTEGRATION
- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☒ over-integrated peak's area
- ☐ under-integrated peak's area
- ☒ other Baseline drop near end of Run

initials δ date 7/6

(+) = Expected Retention Time
F3F21159.D D070205.M Wed Jul 06 11:07:40 2005

Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21455.D Vial: 81
Acq On : 13 Jul 05 11:30 AM Operator: FIELDING
Sample : 5000µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 13 16:12 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.04	1823182	541.01 µg/ml
	Recovery	= 1082.02%	
Target Compounds			
1) H TEPH	15.00	17536675	5240.10 µg/ml

S
7/14/05

(f)=RT Delta > 1/2 Window (m)=manual int.

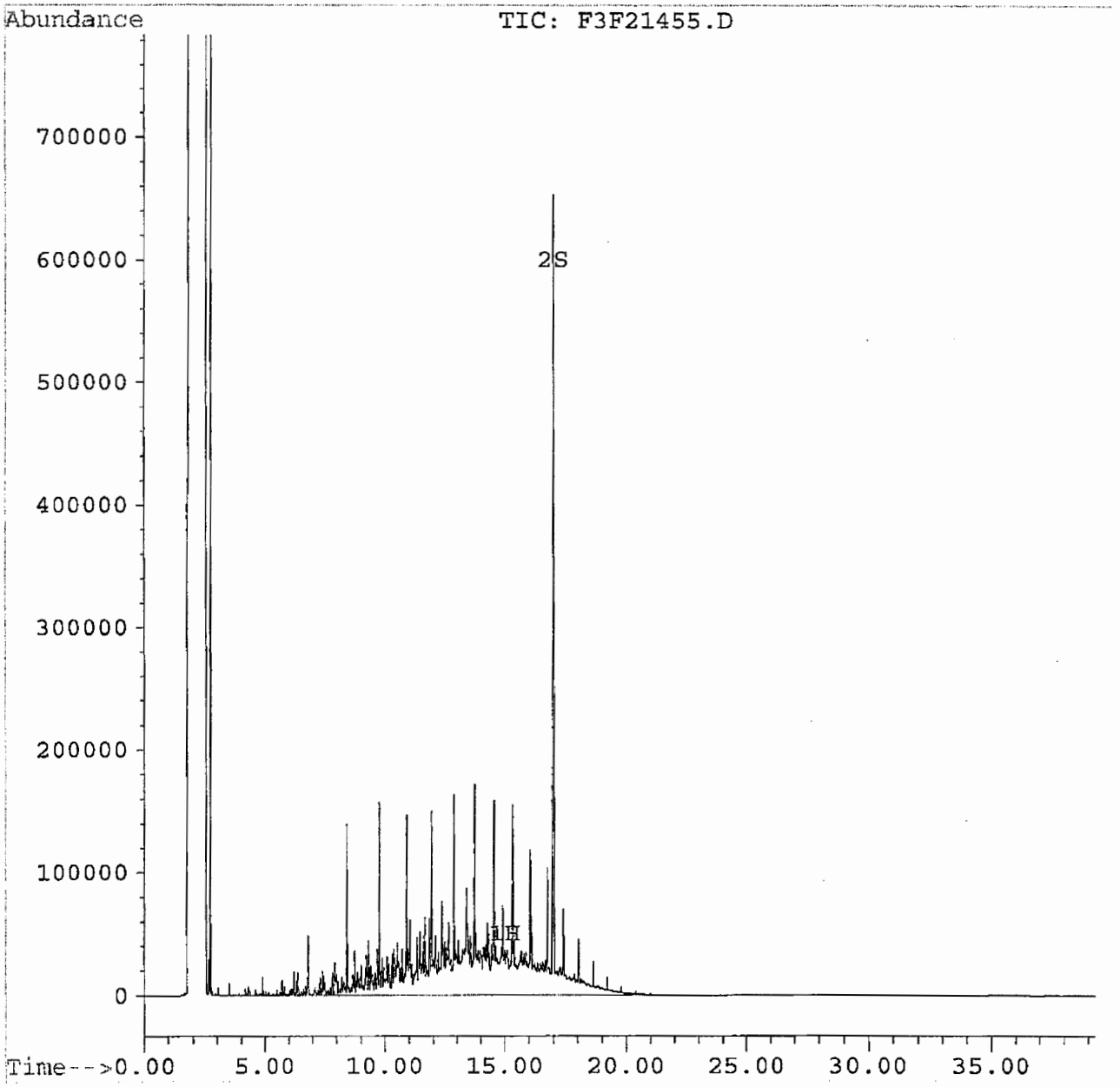
Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21455.D
Acq On : 13 Jul 05 11:30 AM
Sample : 5000µg/ml DRO
Misc :
Quant Time: Jul 13 16:12 19105

Vial: 81
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21456.D Vial: 82
Acq On : 13 Jul 05 12:16 PM Operator: FIELDING
Sample : 2500µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 13 16:12 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.02	904420	267.25 µg/ml
		Recovery =	534.50%
Target Compounds			
1) H TEPH	15.00	8754791	2593.89 µg/ml

8
7/14/05

(f)=RT Delta > 1/2 Window (m)=manual int.

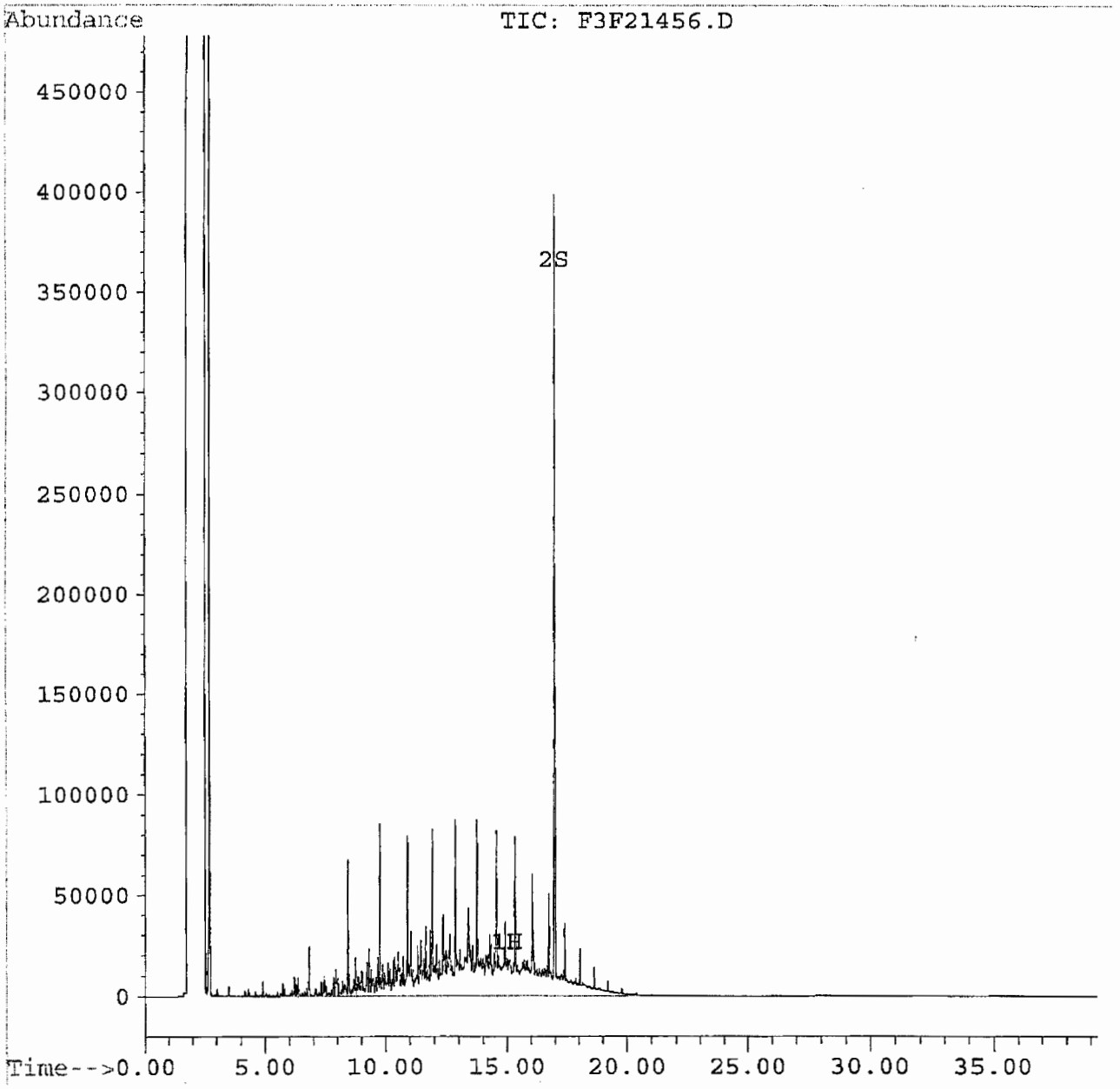
Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21456.D
Acq On : 13 Jul 05 12:16 PM
Sample : 2500µg/ml DRO
Misc :
Quant Time: Jul 13 16:12 19105

Vial: 82
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21457.D Vial: 83
Acq On : 13 Jul 05 01:03 PM Operator: FIELDING
Sample : 1000µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 13 16:13 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.00	376944	110.07 µg/ml
		Recovery =	220.14%
Target Compounds			
1) H TEPH	15.00	3673975	1062.90 µg/ml

δ 7/14/05

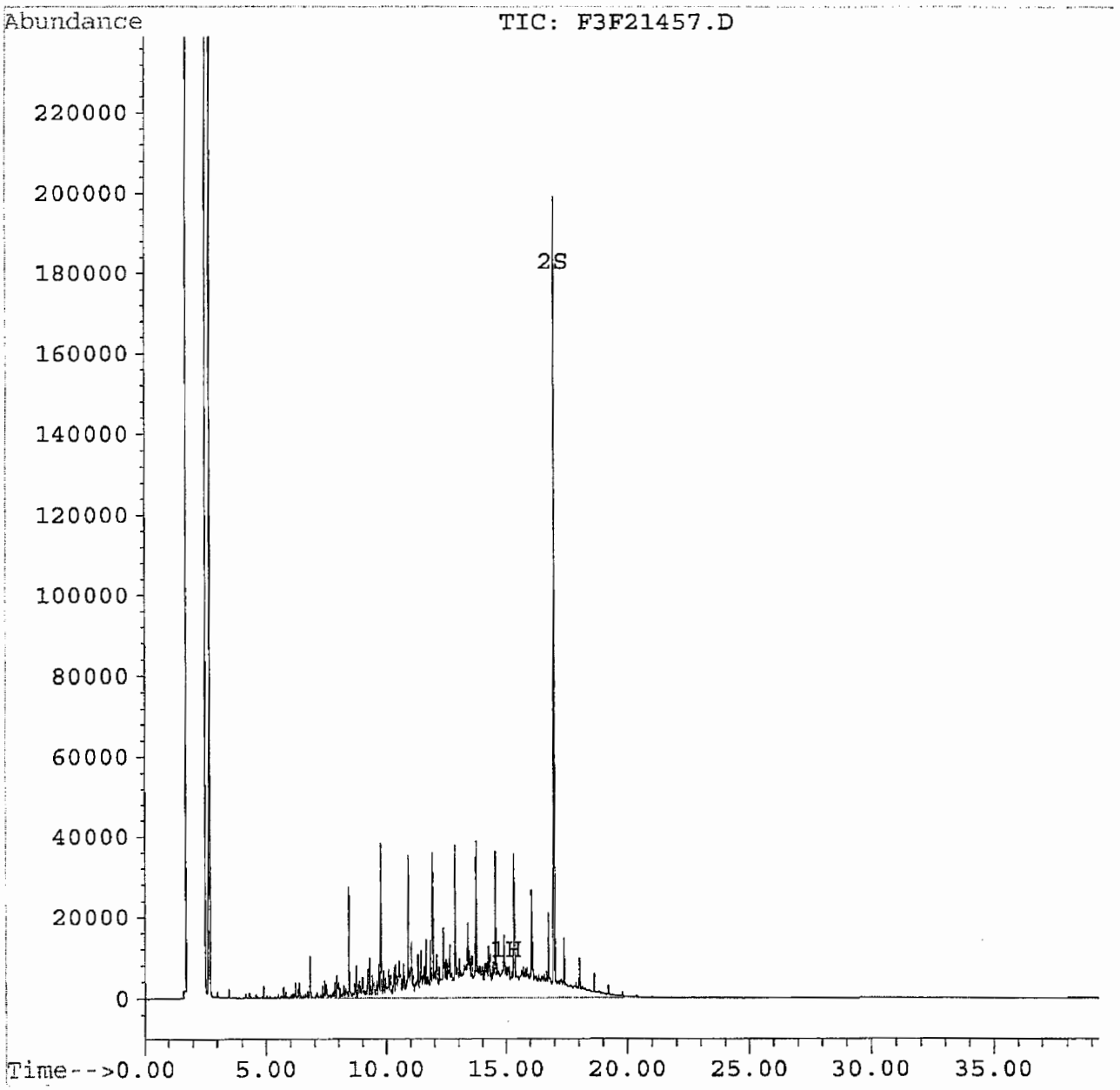
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21457.D Vial: 83
Acq On : 13 Jul 05 01:03 PM Operator: FIELDING
Sample : 1000µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 13 16:13 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21458.D Vial: 84
Acq On : 13 Jul 05 01:49 PM Operator: FIELDING
Sample : 500µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 13 16:13 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.00	208488	59.88 µg/ml
		Recovery =	119.76%
Target Compounds			
1) H TEPH	15.00	2043520	571.60 µg/ml

S
7/14/05

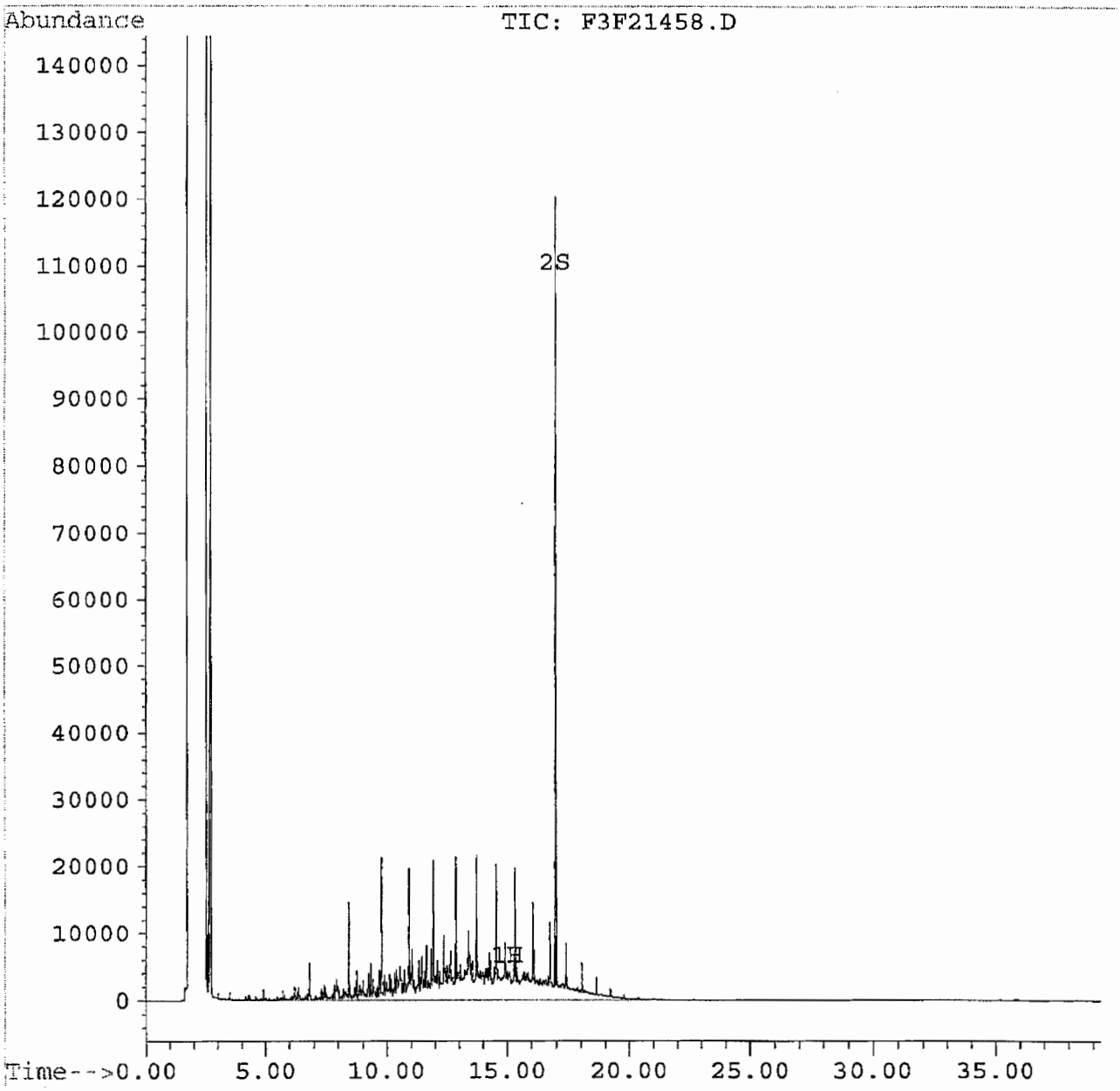
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21458.D Vial: 84
Acq On : 13 Jul 05 01:49 PM Operator: FIELDING
Sample : 500µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 13 16:13 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21459.D Vial: 85
Acq On : 13 Jul 05 02:36 PM Operator: FIELDING
Sample : 200µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 13 16:13 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	16.99	70939	18.89 µg/ml
		Recovery =	37.78%
Target Compounds			
1) H TEPH	15.00	703504	167.82 µg/ml

8
7/14/05

(f)=RT Delta > 1/2 Window (m)=manual int.

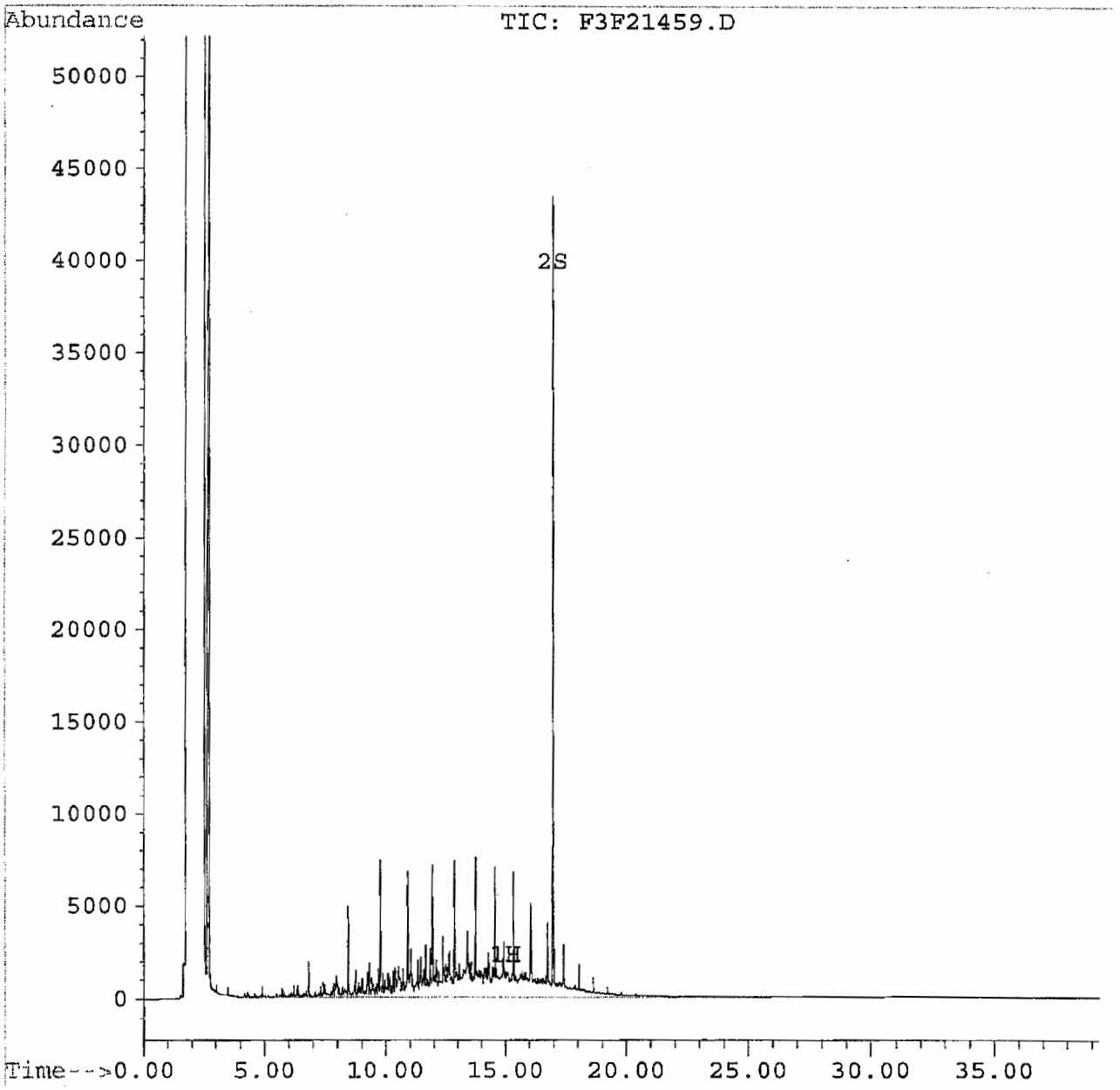
Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21459.D
Acq On : 13 Jul 05 02:36 PM
Sample : 200µg/ml DRO
Misc :
Quant Time: Jul 13 16:13 19105

Vial: 85
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21460.D Vial: 86
Acq On : 13 Jul 05 03:23 PM Operator: FIELDING
Sample : 100µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 13 19:18 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	16.99	36784	8.72 µg/ml
		Recovery =	17.44%
Target Compounds			
1) H TEPH	15.00	376486	69.28 µg/ml

8
7/14/05

(f)=RT Delta > 1/2 Window (m)=manual int.

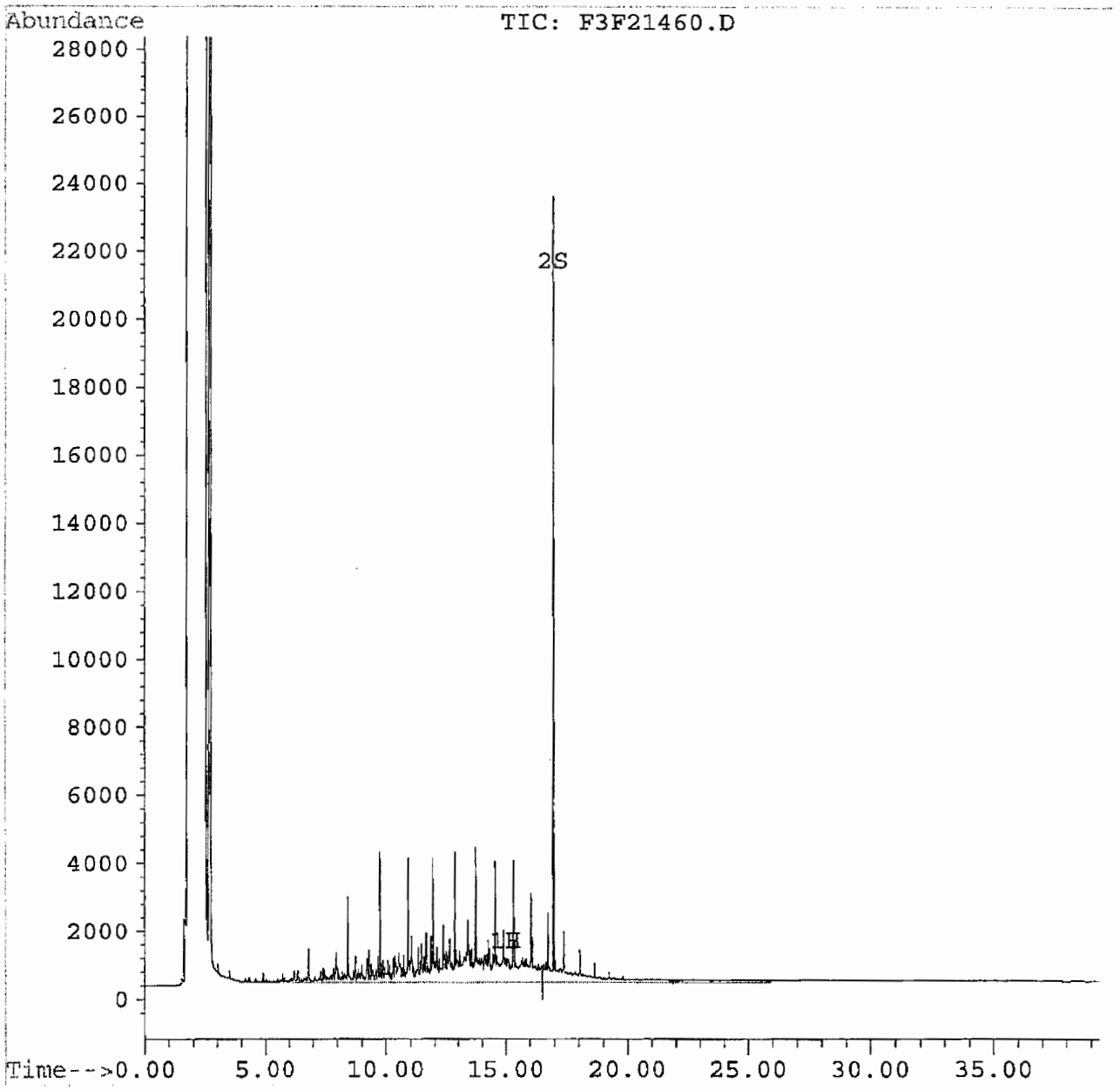
Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21460.D
Acq On : 13 Jul 05 03:23 PM
Sample : 100µg/ml DRO
Misc :
Quant Time: Jul 13 19:18 19105

Vial: 86
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

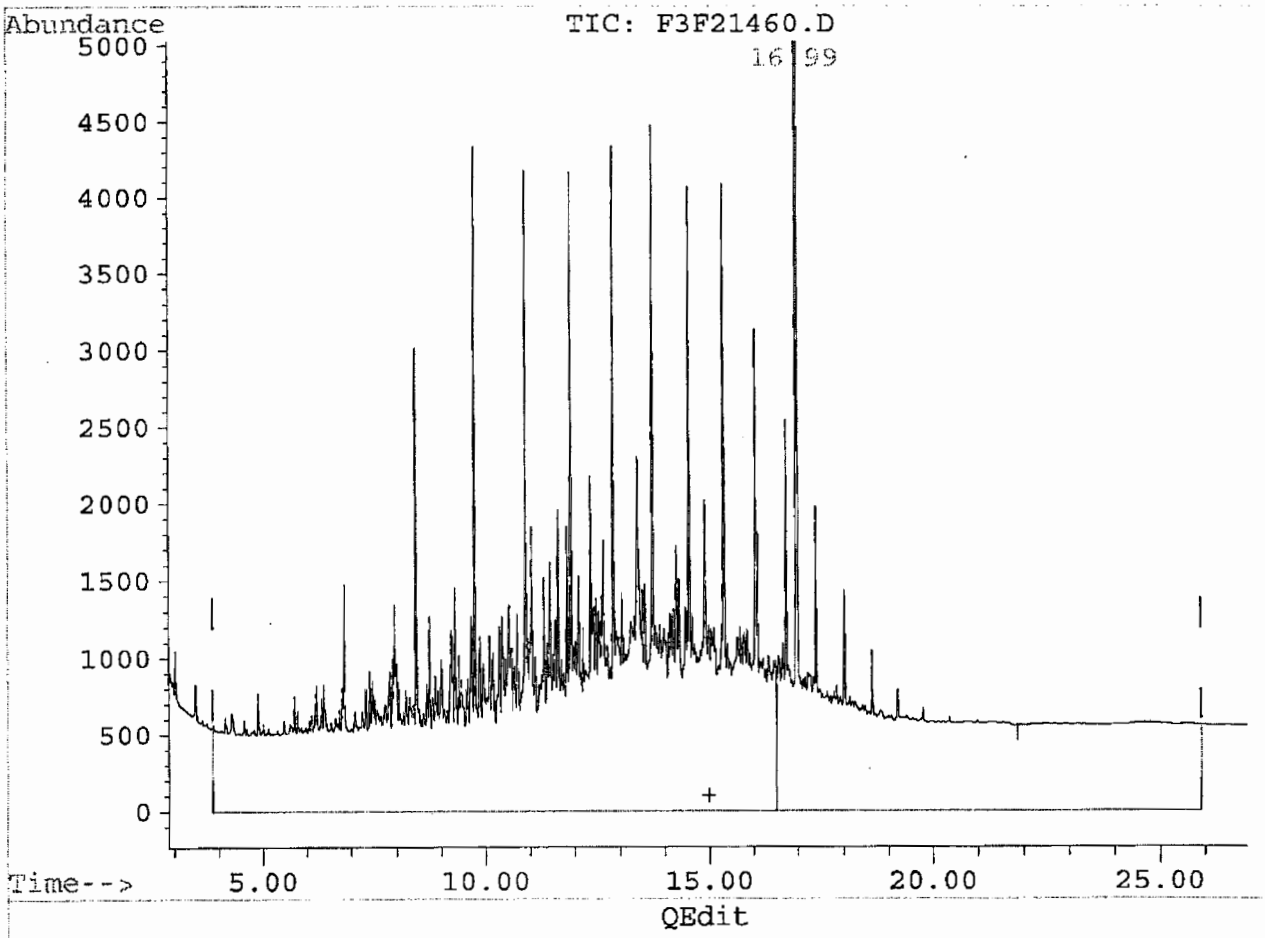


Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21460.D
Acq On : 13 Jul 05 03:23 PM
Sample : 100µg/ml DRO
Misc :
Quant Time: Jul 13 16:13 19105

Vial: 86
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration



(1) TEPH (H)
15.00min 267.47µg/ml m
response 1034206

BEFORE

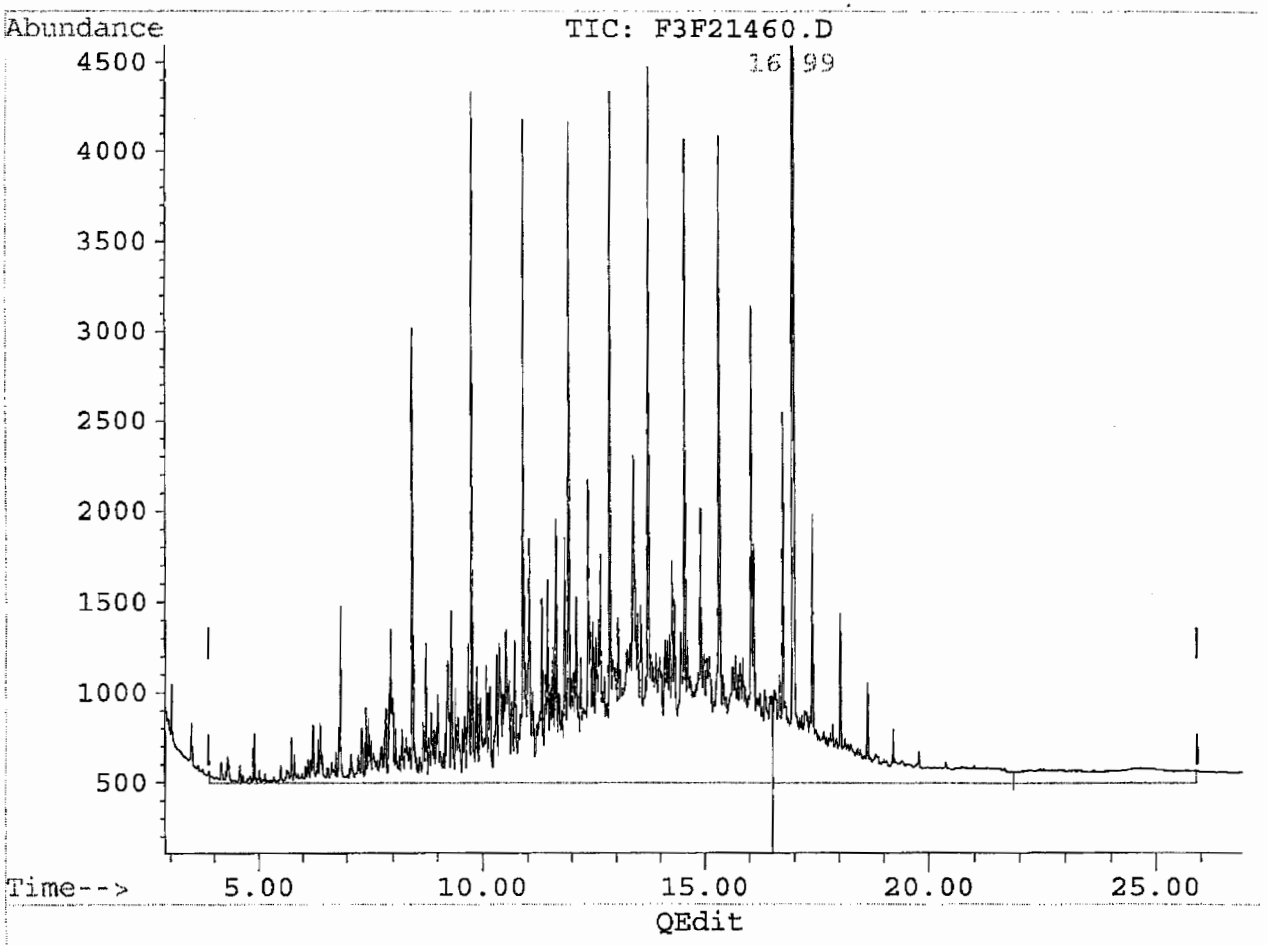
(+) = Expected Retention Time
F3F21460.D D071305.M Wed Jul 13 19:18:33 2005

Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21460.D
Acq On : 13 Jul 05 03:23 PM
Sample : 100µg/ml DRO
Misc :
Quant Time: Jul 13 19:18 19105

Vial: 86
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration



(1) TEPH
15.00min 69.28µg/ml m
response 376486

(H)

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☒ over-integrated peak's area
- ☐ under-integrated peak's area
- ☒ other Negative Peak

initials F. date 7/14/05

(+) = Expected Retention Time
F3F21460.D D071305.M Wed Jul 13 19:19:09 2005

Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21461.D Vial: 87
Acq On : 13 Jul 05 04:10 PM Operator: FIELDING
Sample : 50µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 13 19:13 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	16.98	18157	3.17 µg/ml
	Recovery	=	6.34%
Target Compounds			
1) H TEPH	15.00	198569	15.67 µg/ml

7/14/05

(f)=RT Delta > 1/2 Window (m)=manual int.

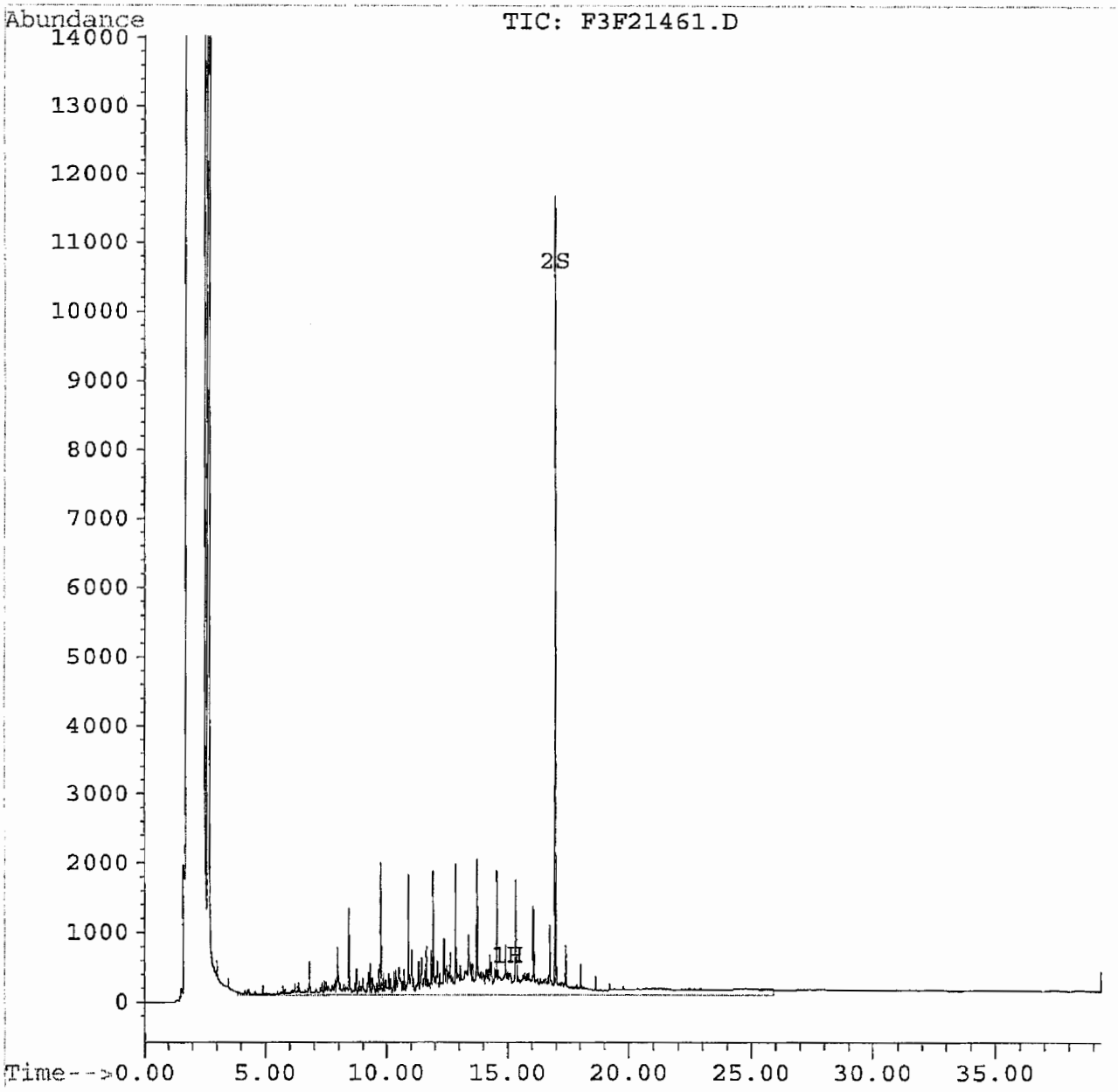
Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21461.D
Acq On : 13 Jul 05 04:10 PM
Sample : 50µg/ml DRO
Misc :
Quant Time: Jul 13 19:13 19105

Vial: 87
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21462.D Vial: 88
Acq On : 13 Jul 05 04:56 PM Operator: FIELDING
Sample : 20µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 13 19:13 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	16.98	7529	<MDL µg/ml
	Recovery	=	0.00%
Target Compounds			
1) H TEPH	15.00	113623	N.D. µg/ml

8
7/14/05

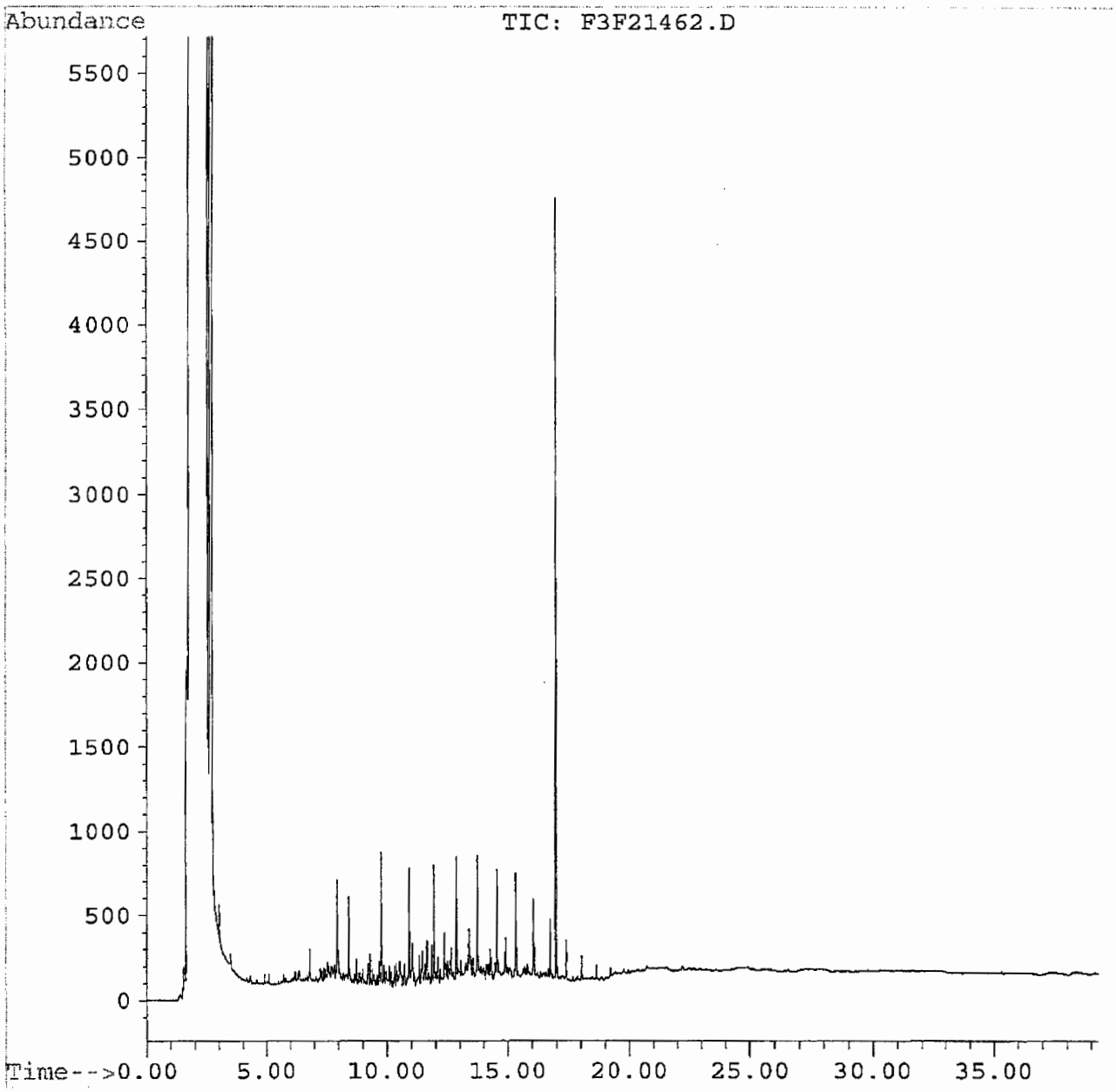
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21462.D Vial: 88
Acq On : 13 Jul 05 04:56 PM Operator: FIELDING
Sample : 20µg/ml DRO Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 13 19:13 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Tue Jul 12 12:48:25 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21468.D Vial: 100
Acq On : 13 Jul 05 10:30 PM Operator: FIELDING
Sample : 500µg/ml DRO ICV Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 14 8:33 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jul 13 21:32:12 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	0.00	0	N.D. µg/ml
	Recovery	=	0.00%
Target Compounds			
1) H TEPH	15.00	1740346	473.85 µg/ml

8
7/14/05

(f)=RT Delta > 1/2 Window (m)=manual int.

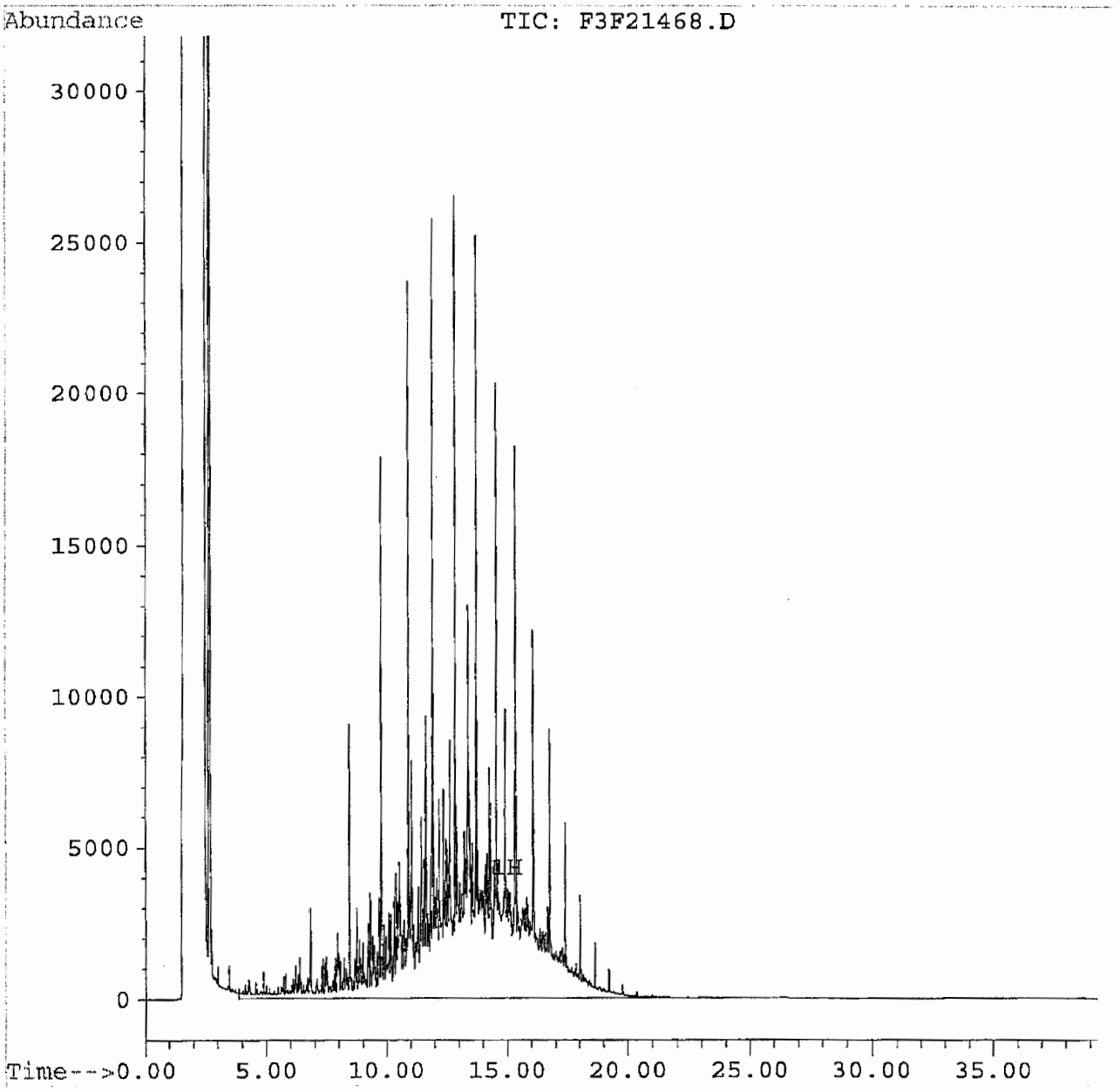
Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21468.D
Acq On : 13 Jul 05 10:30 PM
Sample : 500µg/ml DRO ICV
Misc :
Quant Time: Jul 14 8:33 19105

Vial: 100
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jul 13 21:32:12 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21480.D
Acq On : 14 Jul 05 07:48 AM
Sample : 600µg/ml DRO CCV1
Misc :
Quant Time: Jul 14 8:34 19105

Vial: 91
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jul 13 21:32:12 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	16.99	225367	60.58 µg/ml
	Recovery	=	~~121.16%~~ 87/14
Target Compounds			
1) H TEPH	15.00	2254347	621.08 µg/ml

8
7/14/05

(f)=RT Delta > 1/2 Window (m)=manual int.

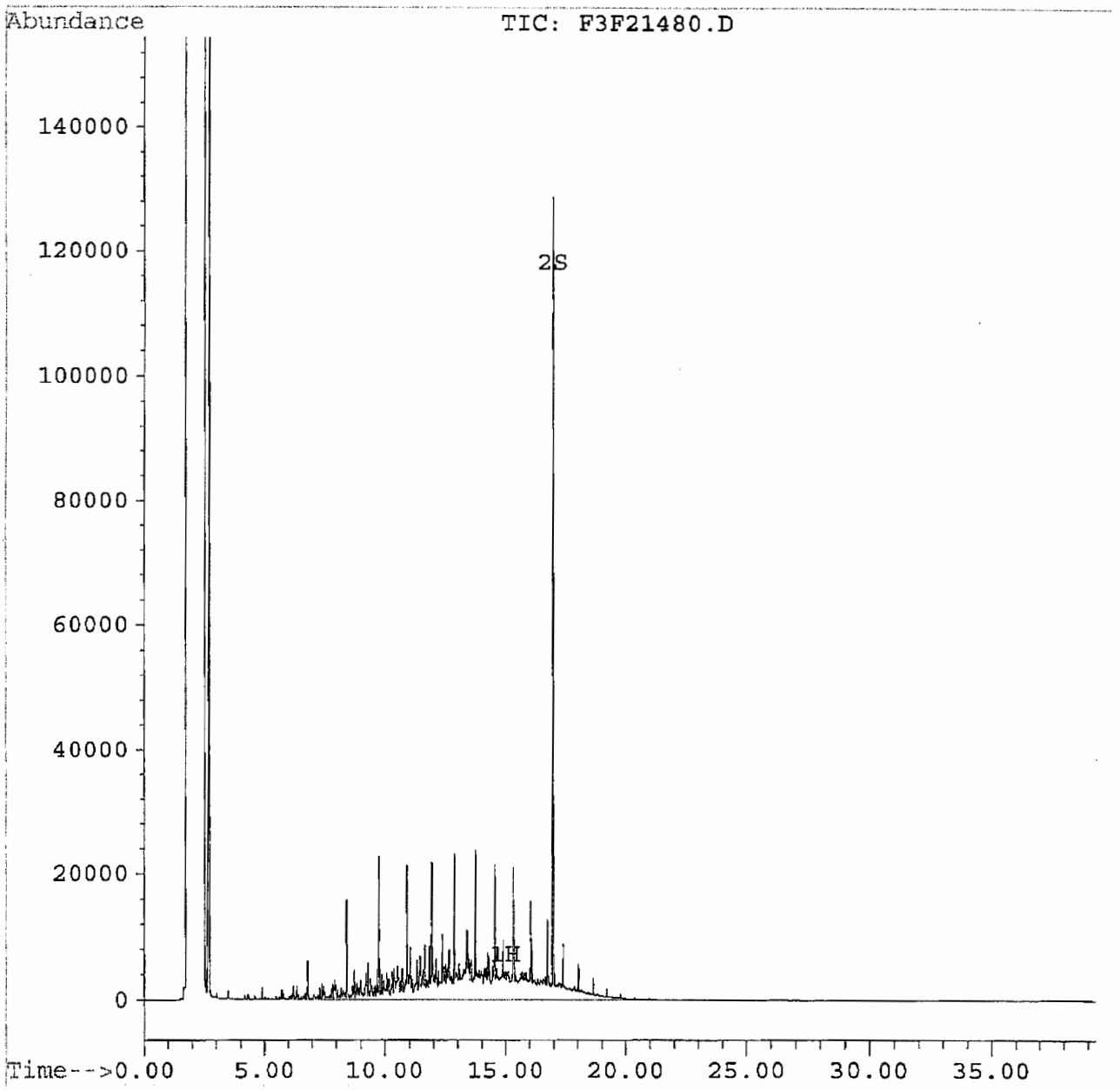
Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21480.D
Acq On : 14 Jul 05 07:48 AM
Sample : 600µg/ml DRO CCV1
Misc :
Quant Time: Jul 14 8:34 19105

Vial: 91
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jul 13 21:32:12 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Sample Raw Data

Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21129.D Vial: 16
Acq On : 30 Jun 05 03:10 PM Operator: FIELDING
Sample : EX050627-1MB Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jun 30 15:51 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.06f	149333	44.95 µg/ml
	Recovery	=	89.90%
Target Compounds			
1) H TEPH	15.00	265618	N.D. µg/ml

S
6/30/05

(f)=RT Delta > 1/2 Window (m)=manual int.

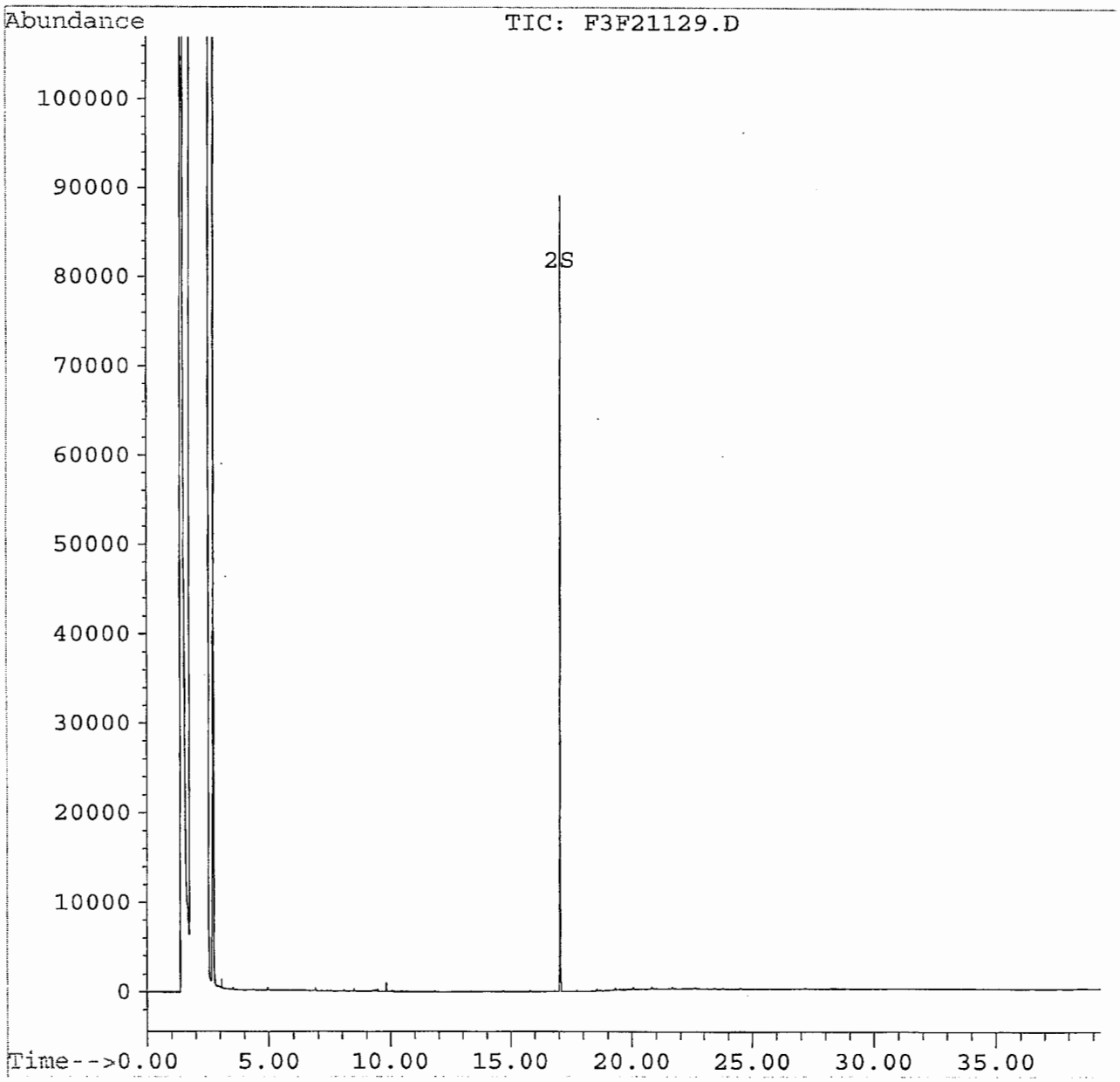
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21129.D
Acq On : 30 Jun 05 03:10 PM
Sample : EX050627-1MB
Misc :
Quant Time: Jun 30 15:51 19105

Vial: 16
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21140.D Vial: 25
Acq On : 30 Jun 05 11:59 PM Operator: FIELDING
Sample : 0506217-4 Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 9:10 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.05f	159557	48.53 µg/ml
	Recovery	=	97.06%
Target Compounds			
1) H TEPH	15.00	364989	7.74 µg/ml J

S
7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

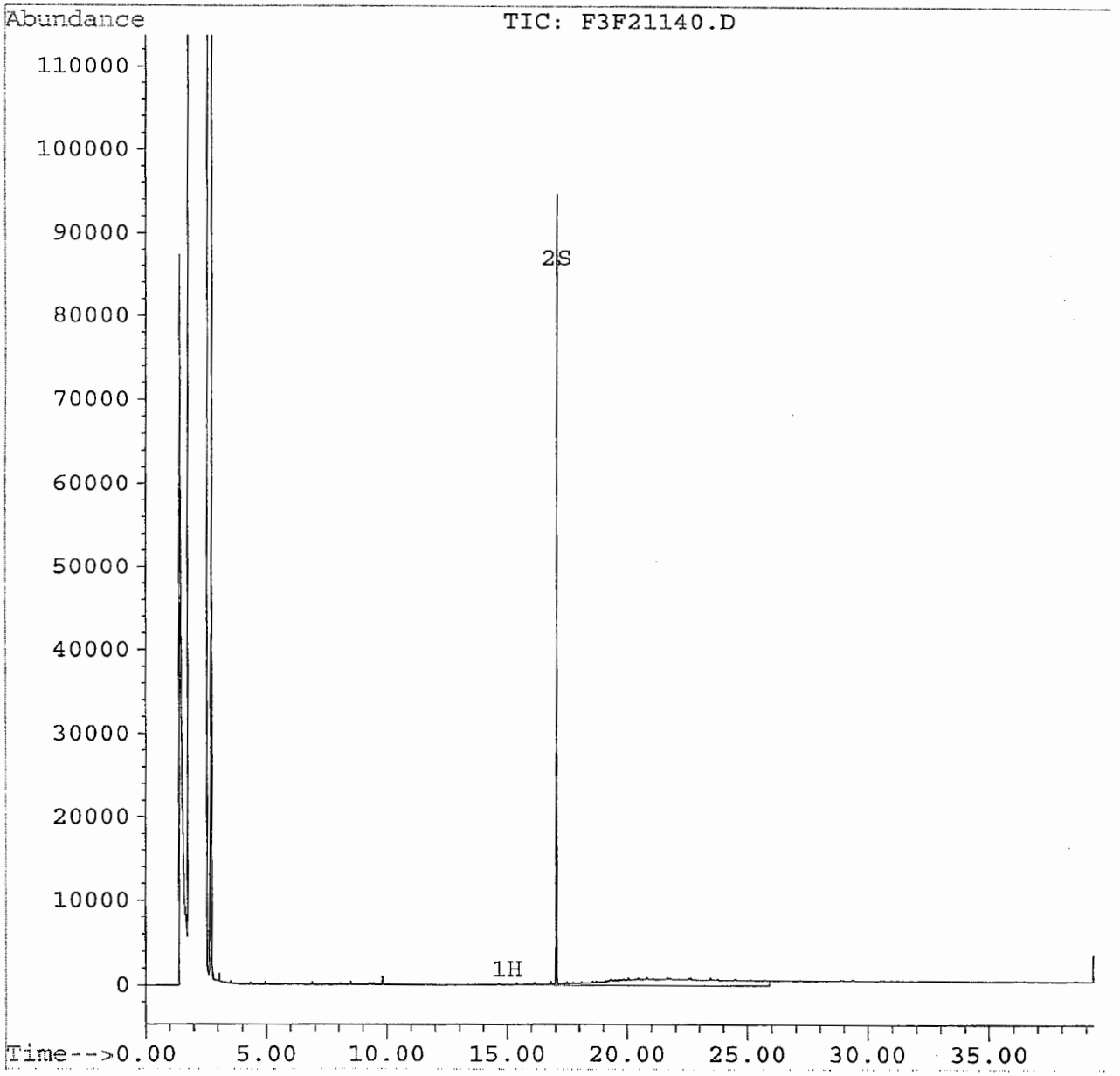
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21140.D
Acq On : 30 Jun 05 11:59 PM
Sample : 0506217-4
Misc :
Quant Time: Jul 1 9:10 19105

Vial: 25
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21141.D Vial: 26
Acq On : 01 Jul 05 00:45 AM Operator: FIELDING
Sample : 0506217-6 Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 9:10 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
2) S o-terphenyl	17.05f	144170	43.14	µg/ml
	Recovery	=	86.28%	
Target Compounds				
1) H TEPH	15.00	3732342	1155.03	µg/ml

C_{10} to C_{36}

H, M

7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

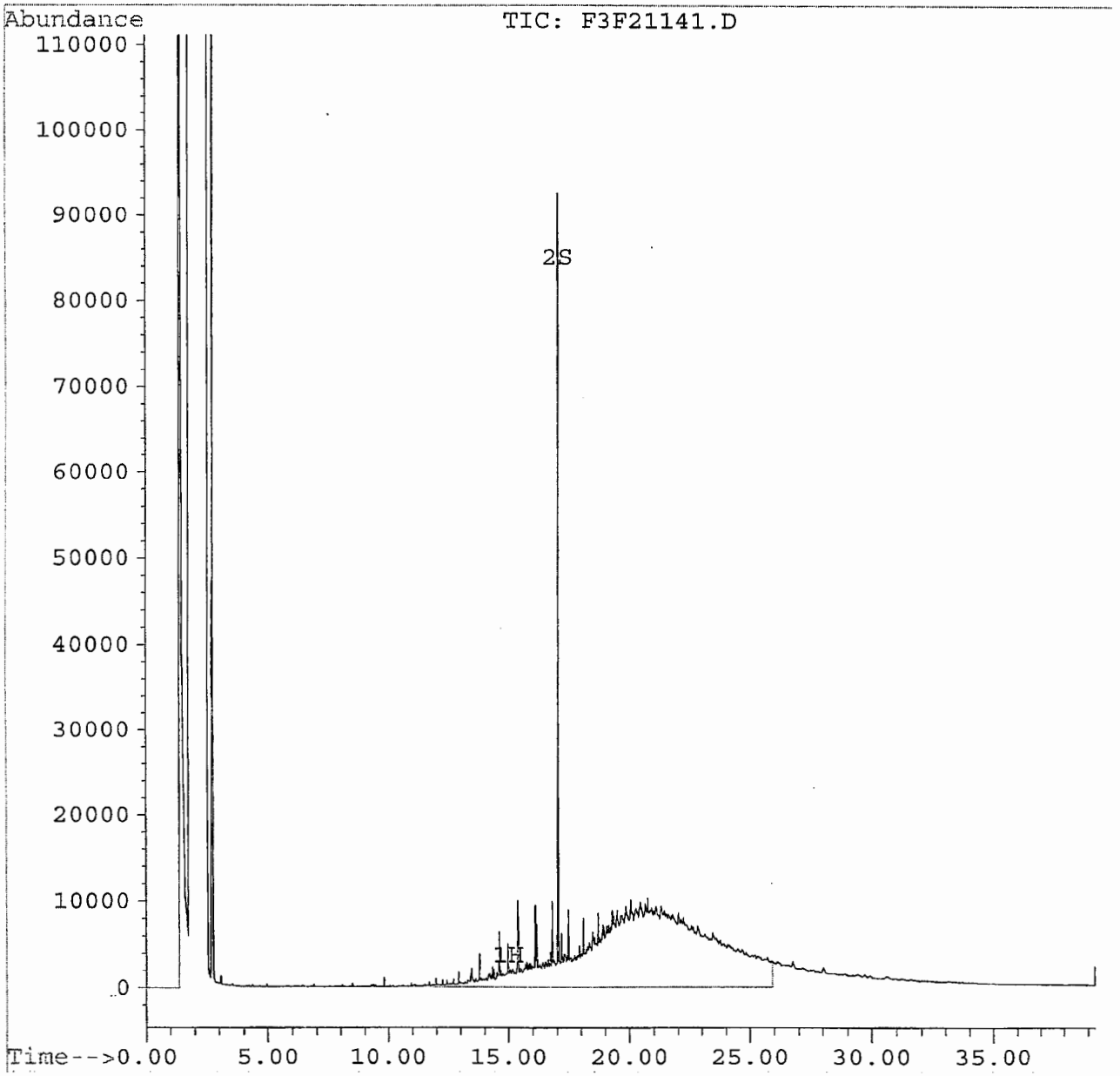
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21141.D
Acq On : 01 Jul 05 00:45 AM
Sample : 0506217-6
Misc :
Quant Time: Jul 1 9:10 19105

Vial: 26
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21142.D Vial: 27
Acq On : 01 Jul 05 01:32 AM Operator: FIELDING
Sample : 0506217-7 Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 9:10 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.05f	150733	45.44 µg/ml
	Recovery	=	90.88%
Target Compounds			
1) H TEPH	15.00	14008144	4656.11 µg/ml

$C_{10} \rightarrow C_{36}$

H, M

S 7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

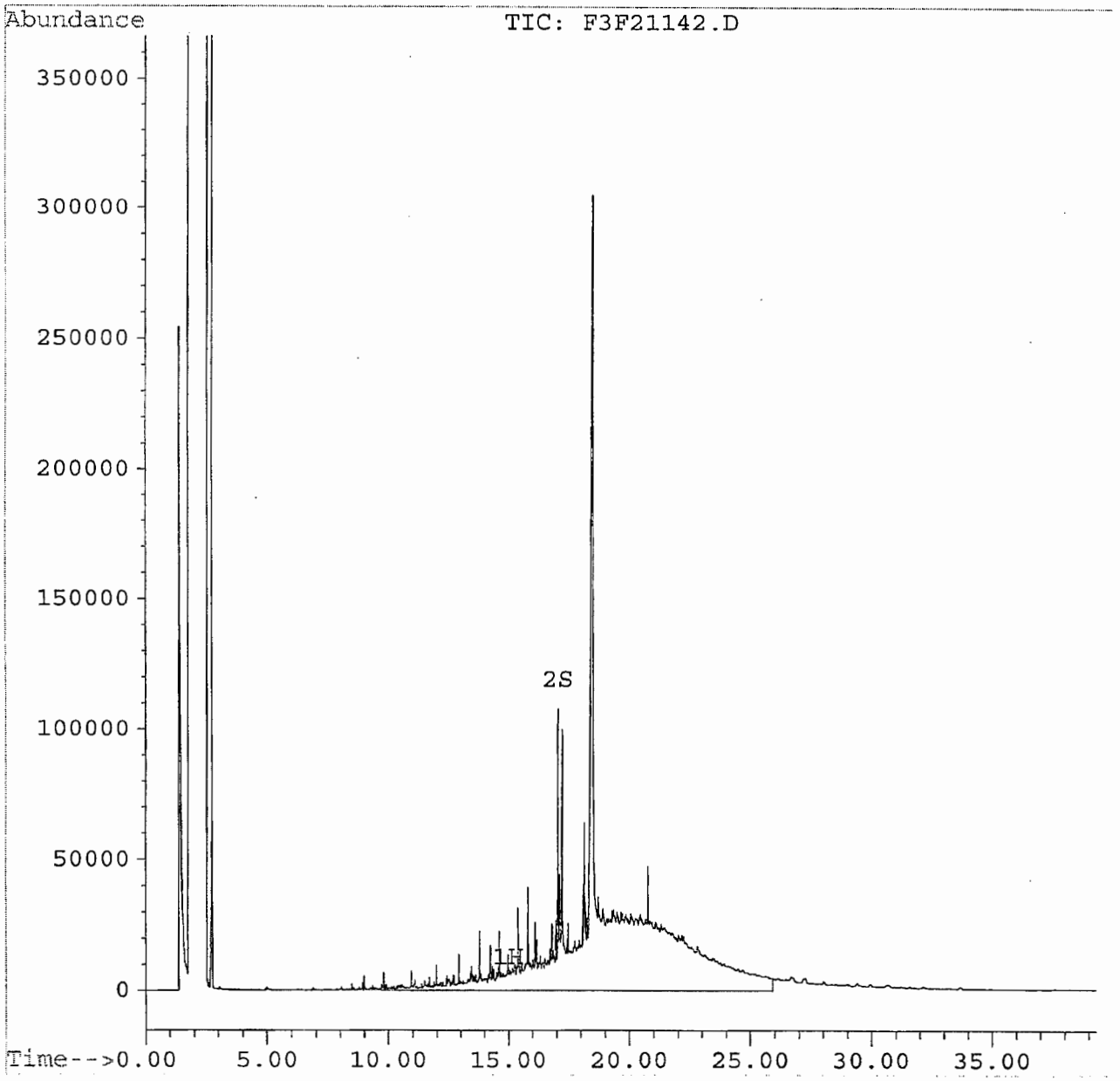
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21142.D
Acq On : 01 Jul 05 01:32 AM
Sample : 0506217-7
Misc :
Quant Time: Jul 1 9:10 19105

Vial: 27
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21143.D Vial: 28
Acq On : 01 Jul 05 02:18 AM Operator: FIELDING
Sample : 0506217-9 Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 9:10 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.05f	158096	48.02 µg/ml
	Recovery	=	96.04%
Target Compounds			
1) H TEPH	15.00	933805	201.54 µg/ml M

$C_{16} \rightarrow C_{24}$

7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

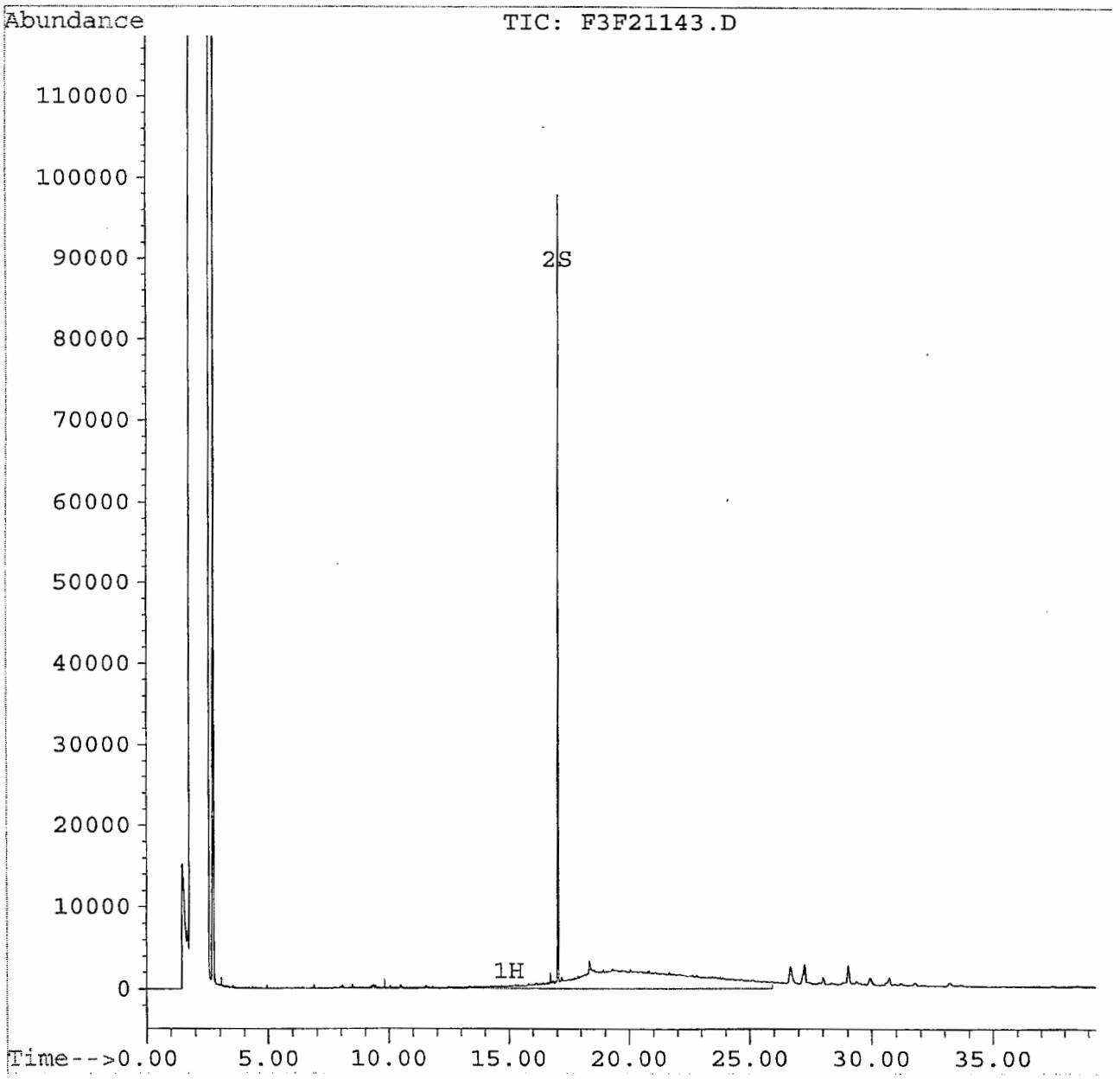
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21143.D
Acq On : 01 Jul 05 02:18 AM
Sample : 0506217-9
Misc :
Quant Time: Jul 1 9:10 19105

Vial: 28
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21153.D Vial: 55
Acq On : 01 Jul 05 10:05 AM Operator: FIELDING
Sample : 0506217-2 10X Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 10:56 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.04f	28960	2.74 µg/ml @10X
	Recovery	=	5.48%
Target Compounds			
1) H TEPH	15.00	3147607	955.81 µg/ml H,M

$C_{10} \rightarrow C_{36}$

8
7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

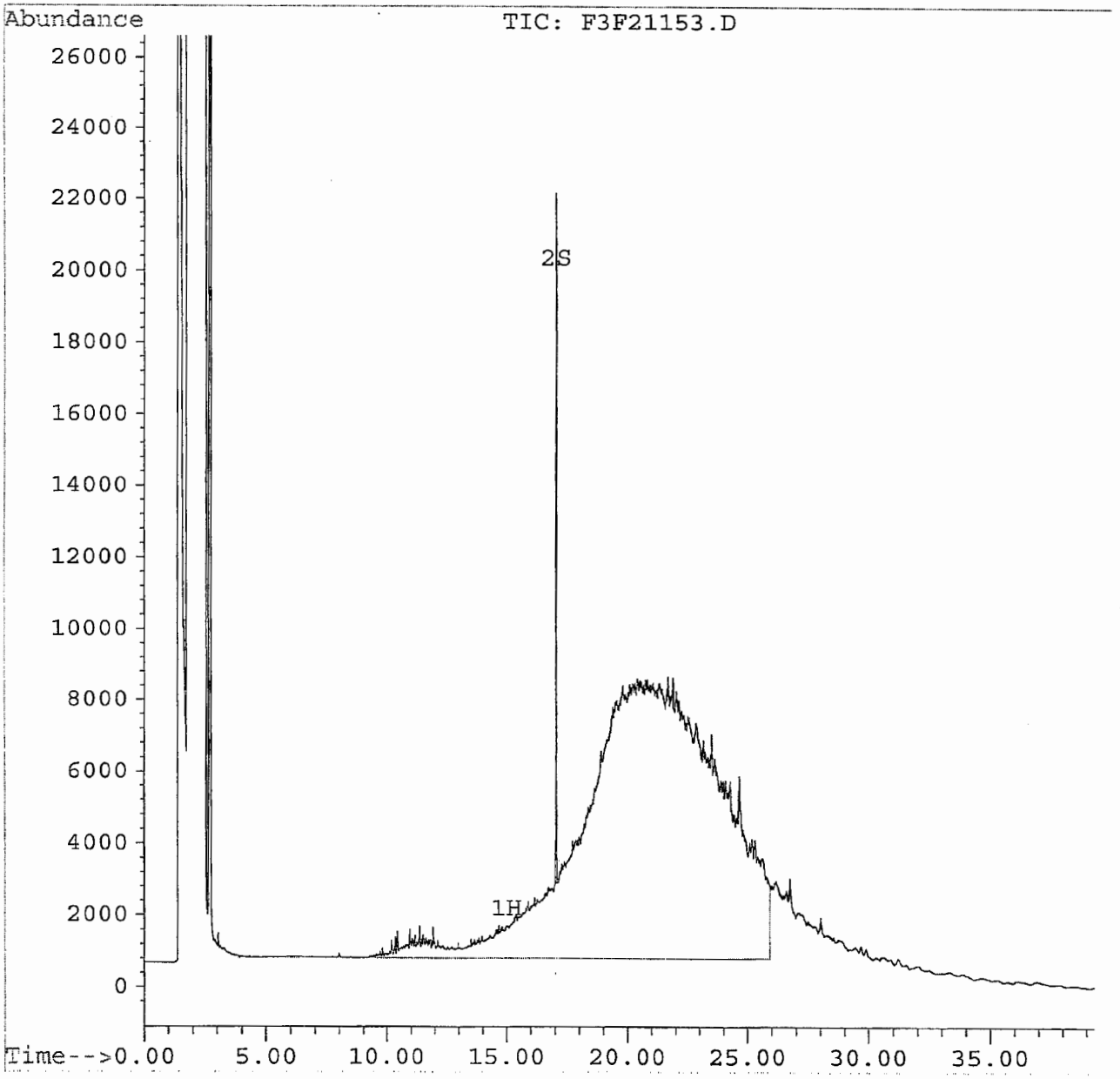
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21153.D
Acq On : 01 Jul 05 10:05 AM
Sample : 0506217-2 10X
Misc :
Quant Time: Jul 1 10:56 19105

Vial: 55
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21154.D Vial: 56
Acq On : 01 Jul 05 10:51 AM Operator: FIELDING
Sample : 0506217-3 50X Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 11:33 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.04f	2889	N.D. µg/ml
	Recovery	=	0.00%
Target Compounds			
1) H TEPH	15.00	2347200	683.10 µg/ml

DM

$C_8 \rightarrow C_{32}$

TD

S 7/1/05

SURROGATE was Diluted OUT

(f)=RT Delta > 1/2 Window (m)=manual int.

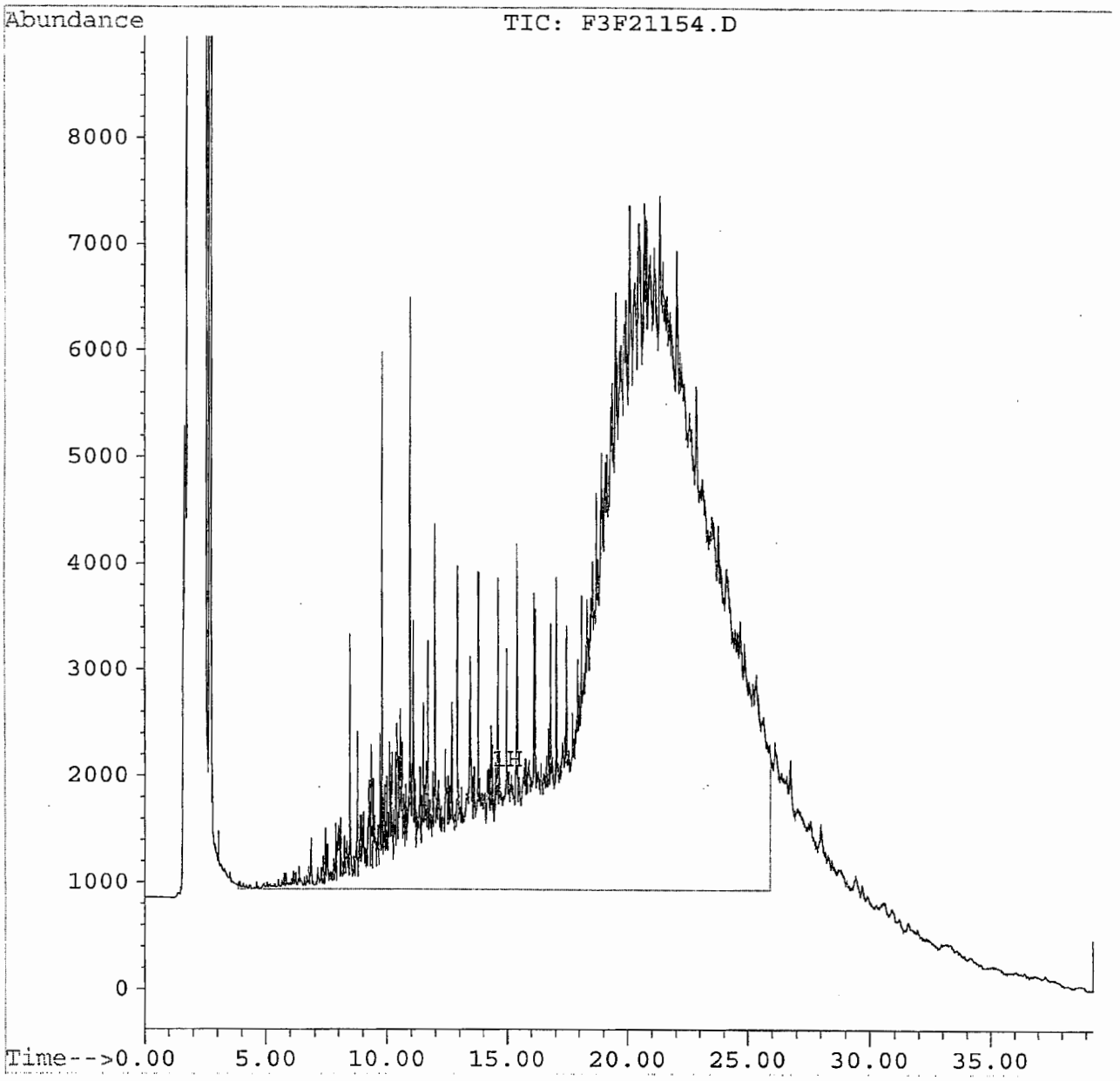
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21154.D
Acq On : 01 Jul 05 10:51 AM
Sample : 0506217-3 50X
Misc :
Quant Time: Jul 1 11:33 19105

Vial: 56
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21155.D Vial: 57
Acq On : 01 Jul 05 11:38 AM Operator: FIELDING
Sample : 0506217-1 10X Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 14:31 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.04f	32481	3.98 µg/ml
	Recovery	=	7.96% @10X
Target Compounds			
1) H TEPH	15.00	12340896	4088.06 µg/ml H

$C_{10} \rightarrow C_{36}$

S
7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

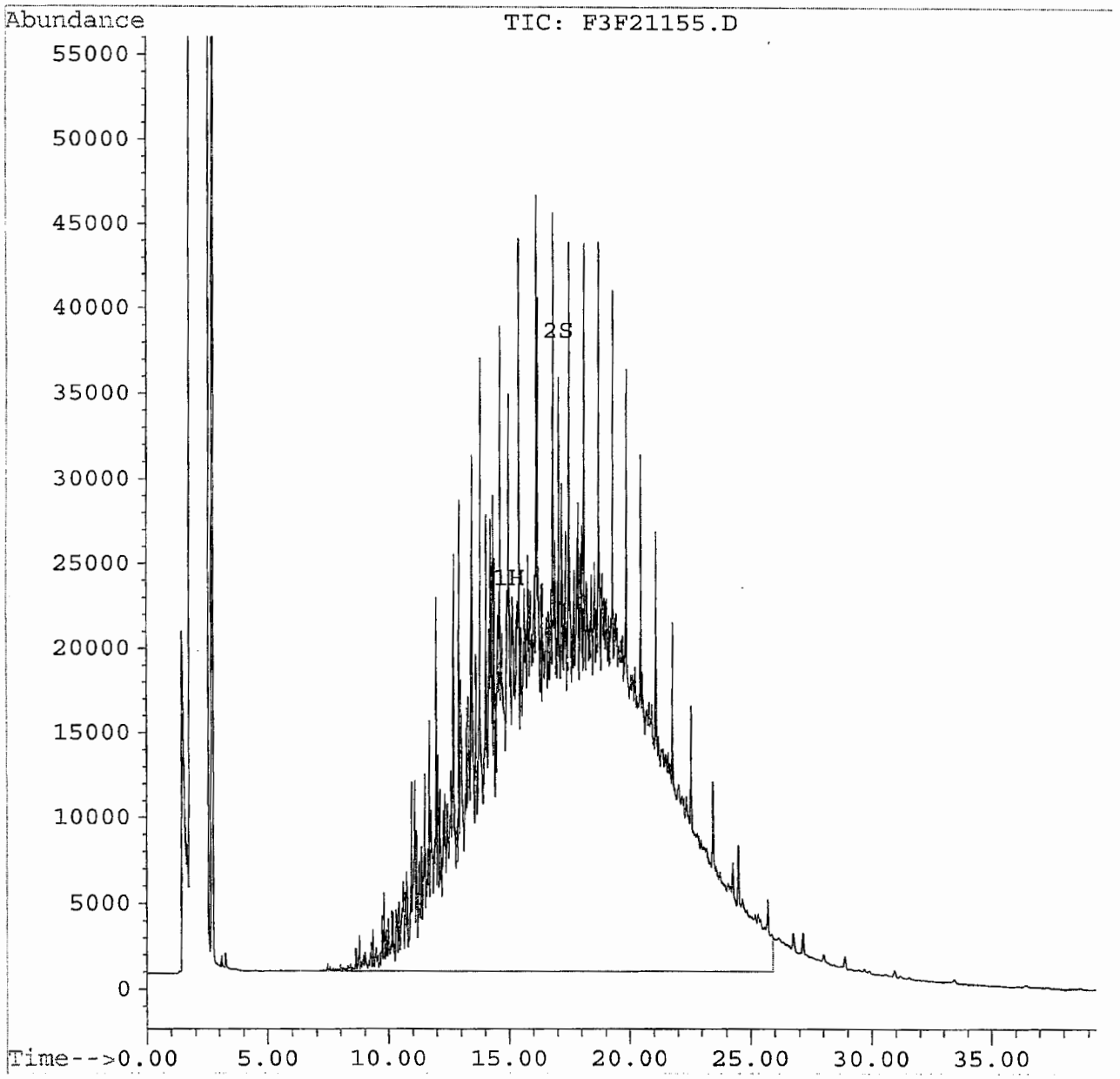
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21155.D
Acq On : 01 Jul 05 11:38 AM
Sample : 0506217-1 10X
Misc :
Quant Time: Jul 1 14:31 19105

Vial: 57
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21157.D Vial: 59
Acq On : 01 Jul 05 01:11 PM Operator: FIELDING
Sample : 0506217-5 10X Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 14:29 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
2) S o-terphenyl	17.04f	14725	N.D.	µg/ml
	Recovery	=	0.00%	
Target Compounds				
1) H TEPH	15.00	12001949	3972.58	µg/ml

H, M

$C_{10} \rightarrow C_{36}$

7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

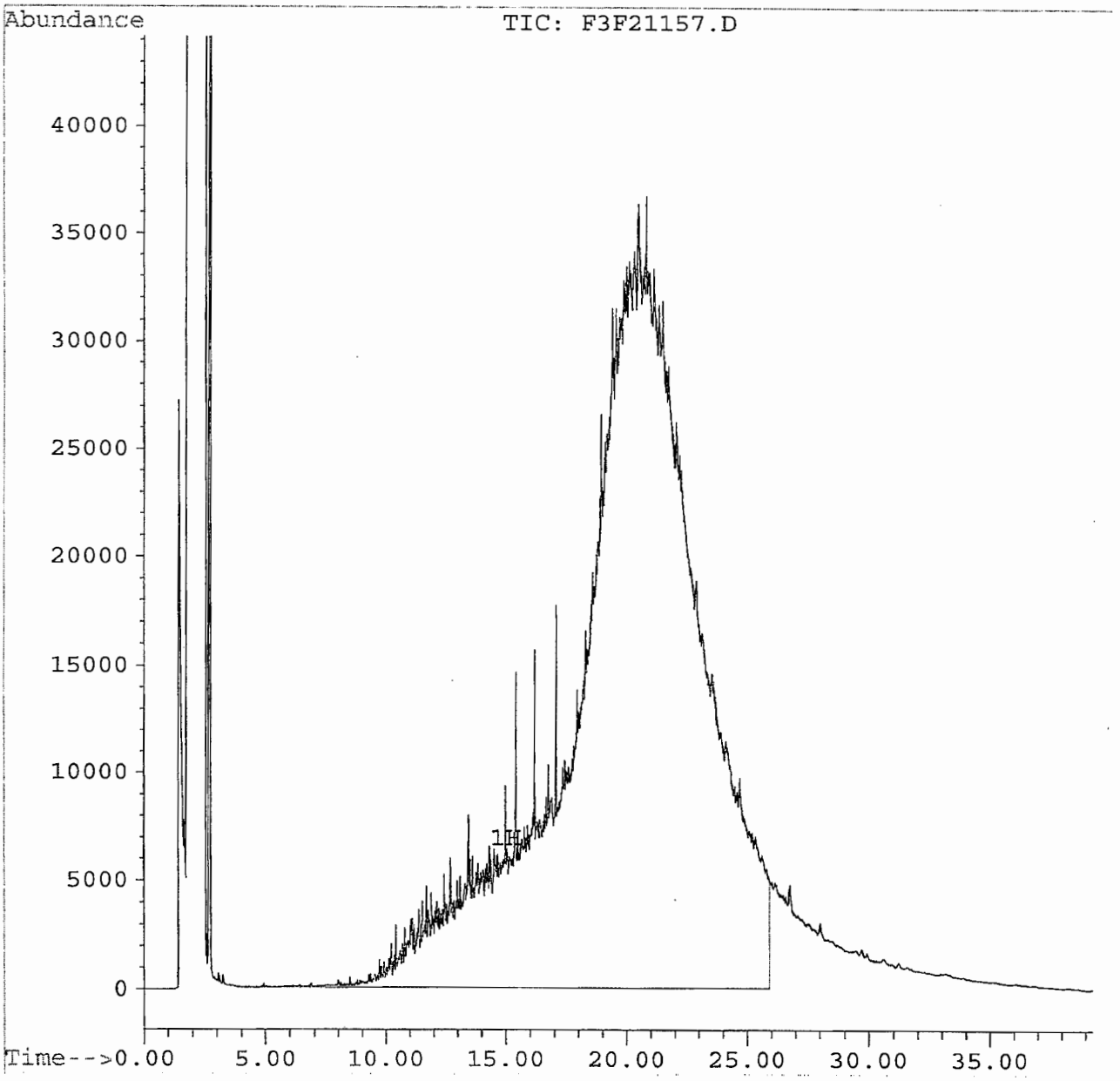
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21157.D
Acq On : 01 Jul 05 01:11 PM
Sample : 0506217-5 10X
Misc :
Quant Time: Jul 1 14:29 19105

Vial: 59
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21469.D Vial: 1
Acq On : 13 Jul 05 11:17 PM Operator: FIELDING
Sample : 0506217-8 50X Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 14 13:07 19105

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jul 13 21:32:12 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.07f	63855	16.13 µg/ml
	Recovery	=	32.26%
Target Compounds			
1) H TEPH	15.00	9947584	2824.64 µg/ml H, Z

$C_{10} \rightarrow C_{32}$

7/14/05

(f)=RT Delta > 1/2 Window (m)=manual int.

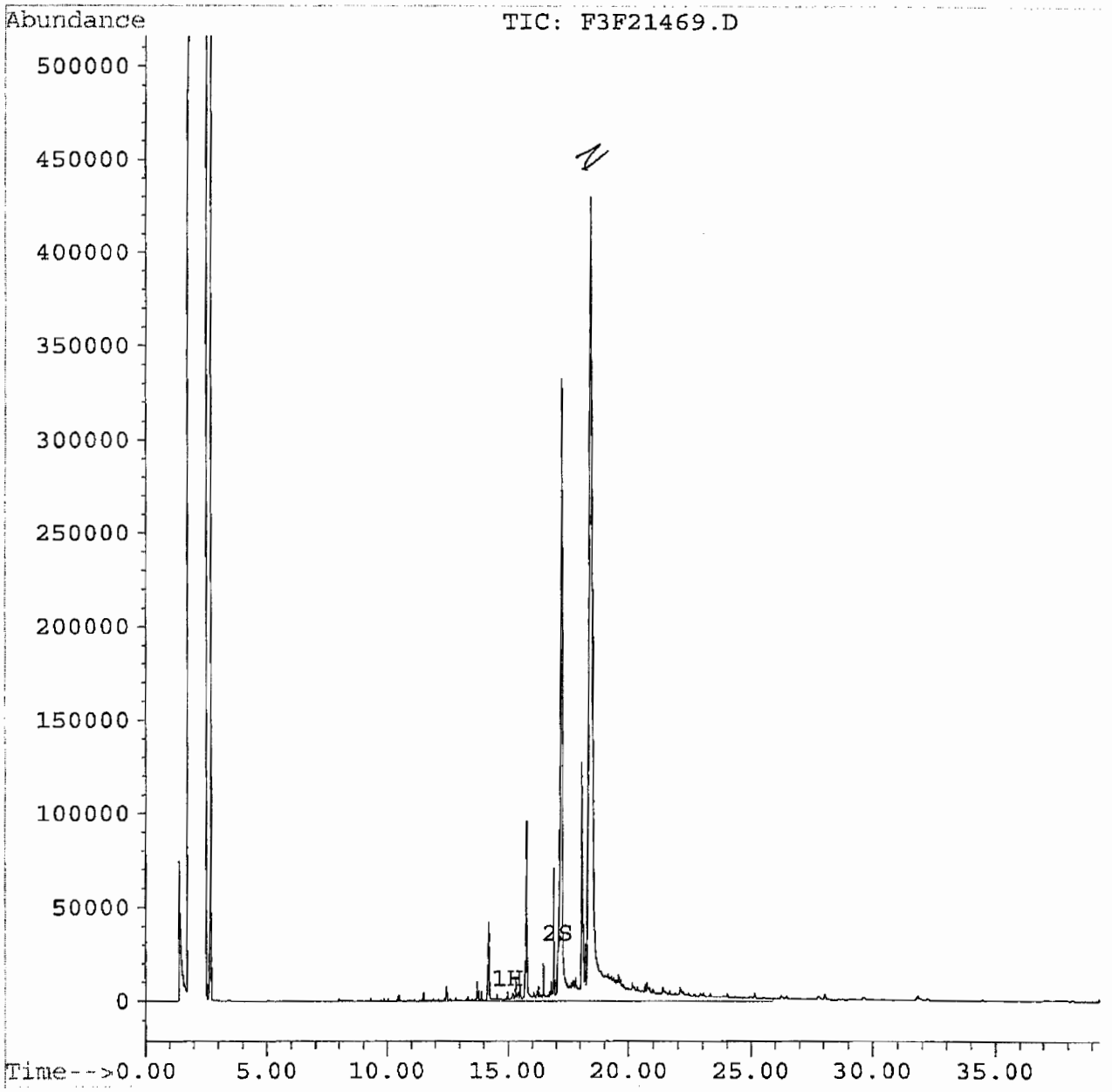
Quantitation Report

Data File : C:\HPCHEM\5\DATA\07132005\F3F21469.D
Acq On : 13 Jul 05 11:17 PM
Sample : 0506217-8 50X
Misc :
Quant Time: Jul 14 13:07 19105

Vial: 1
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D071305.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Wed Jul 13 21:32:12 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Raw Data Quality Control Samples

Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21132.D Vial: 19
Acq On : 30 Jun 05 05:47 PM Operator: FIELDING
Sample : EX050627-1LCS Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 9:09 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.06f	159399	48.48 µg/ml
	Recovery	=	96.96%
Target Compounds			
1) H TEPH	15.00	902448	190.86 µg/ml

δ
7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

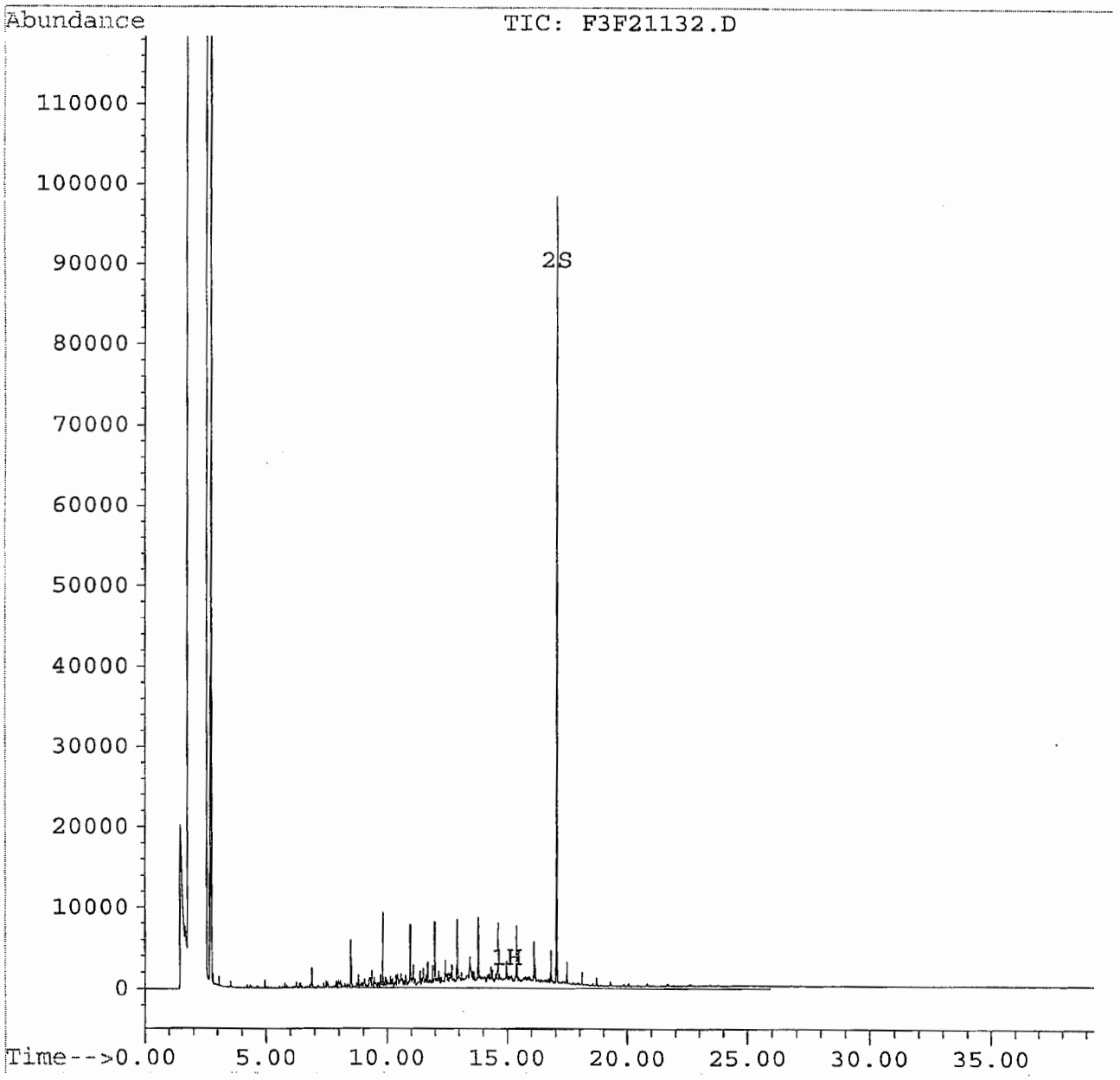
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21132.D
Acq On : 30 Jun 05 05:47 PM
Sample : EX050627-1LCS
Misc :
Quant Time: Jul 1 9:09 19105

Vial: 19
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21133.D Vial: 20
Acq On : 30 Jun 05 06:33 PM Operator: FIELDING
Sample : EX050627-1LCSD Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 9:09 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.06f	153882	46.55 µg/ml
	Recovery	=	93.10%
Target Compounds			
1) H TEPH	15.00	849047	172.66 µg/ml

8
7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

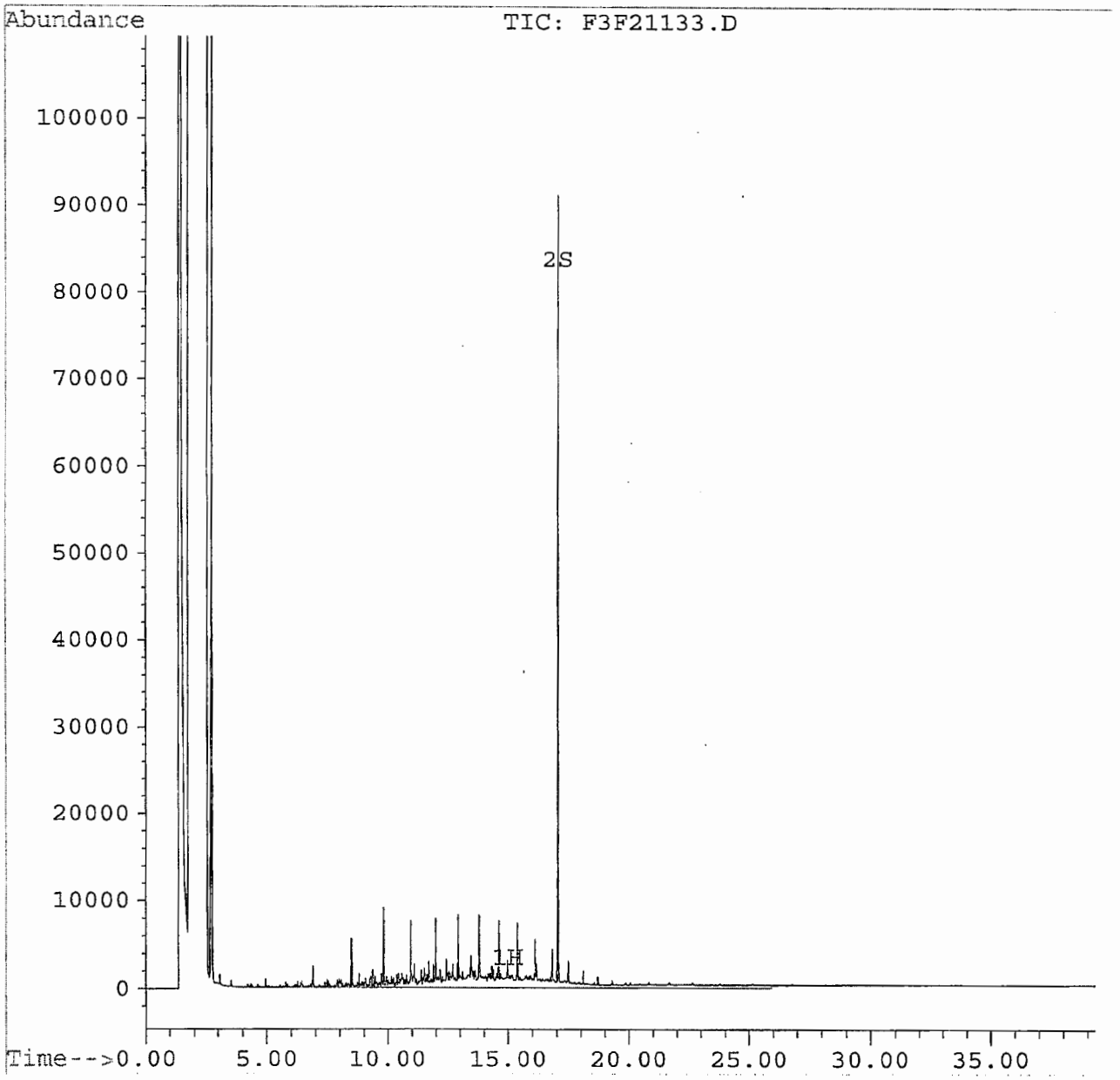
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21133.D
Acq On : 30 Jun 05 06:33 PM
Sample : EX050627-1LCSD
Misc :
Quant Time: Jul 1 9:09 19105

Vial: 20
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21144.D Vial: 29
Acq On : 01 Jul 05 03:05 AM Operator: FIELDING
Sample : 0506217-9MS Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 9:10 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.05f	160719	48.94 µg/ml
	Recovery	=	97.88%
Target Compounds			
1) H TEPH	15.00	1745034	477.94 µg/ml

7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

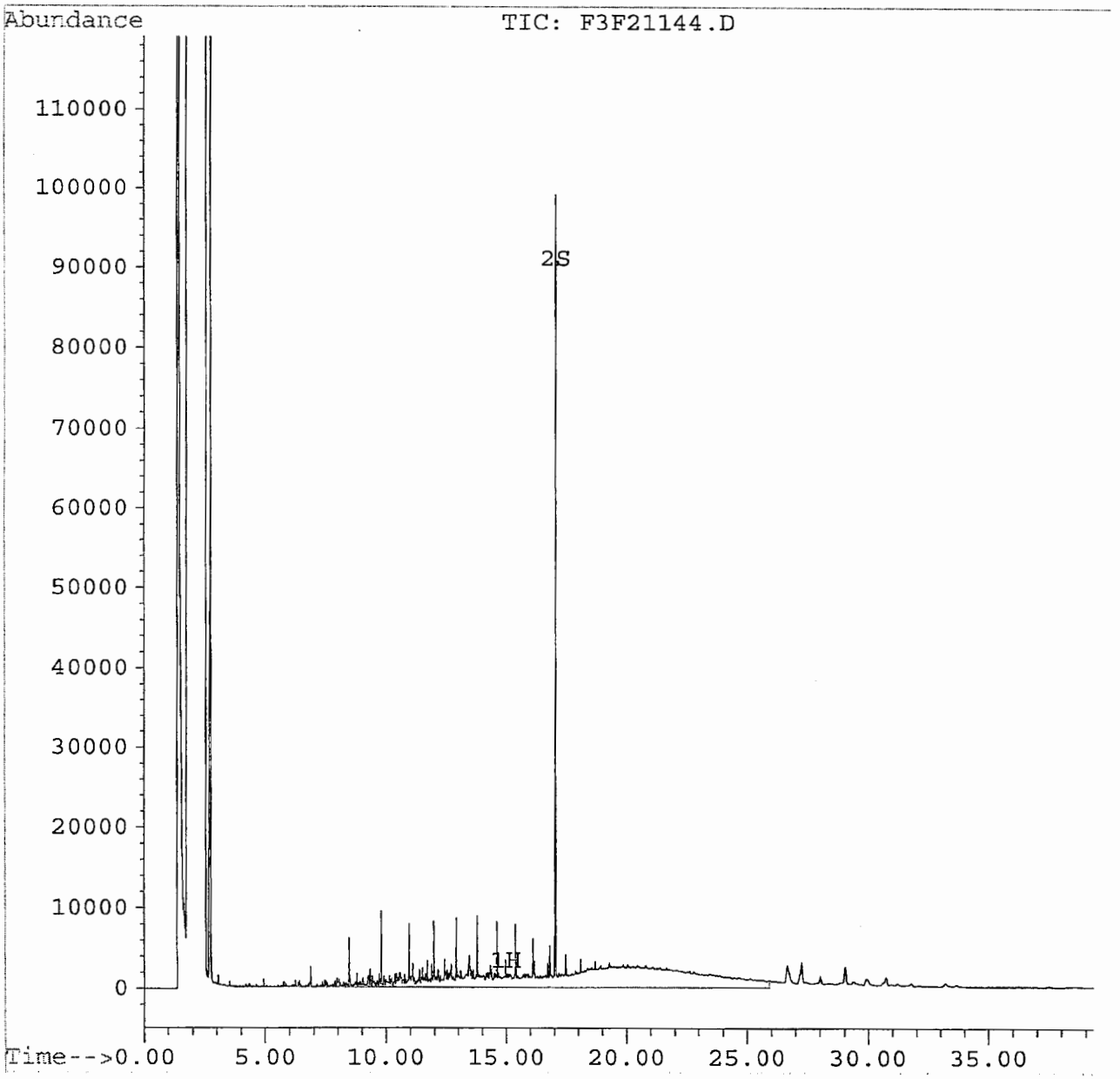
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21144.D
Acq On : 01 Jul 05 03:05 AM
Sample : 0506217-9MS
Misc :
Quant Time: Jul 1 9:10 19105

Vial: 29
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21145.D Vial: 30
Acq On : 01 Jul 05 03:51 AM Operator: FIELDING
Sample : 0506217-9MSD Inst : FUELS3
Misc : Multiplr: 1.00
Quant Time: Jul 1 9:10 19105

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
2) S o-terphenyl	17.05f	168490	51.67 µg/ml
	Recovery	=	103.34%
Target Compounds			
1) H TEPH	15.00	1549995	411.48 µg/ml

S
7/1/05

(f)=RT Delta > 1/2 Window (m)=manual int.

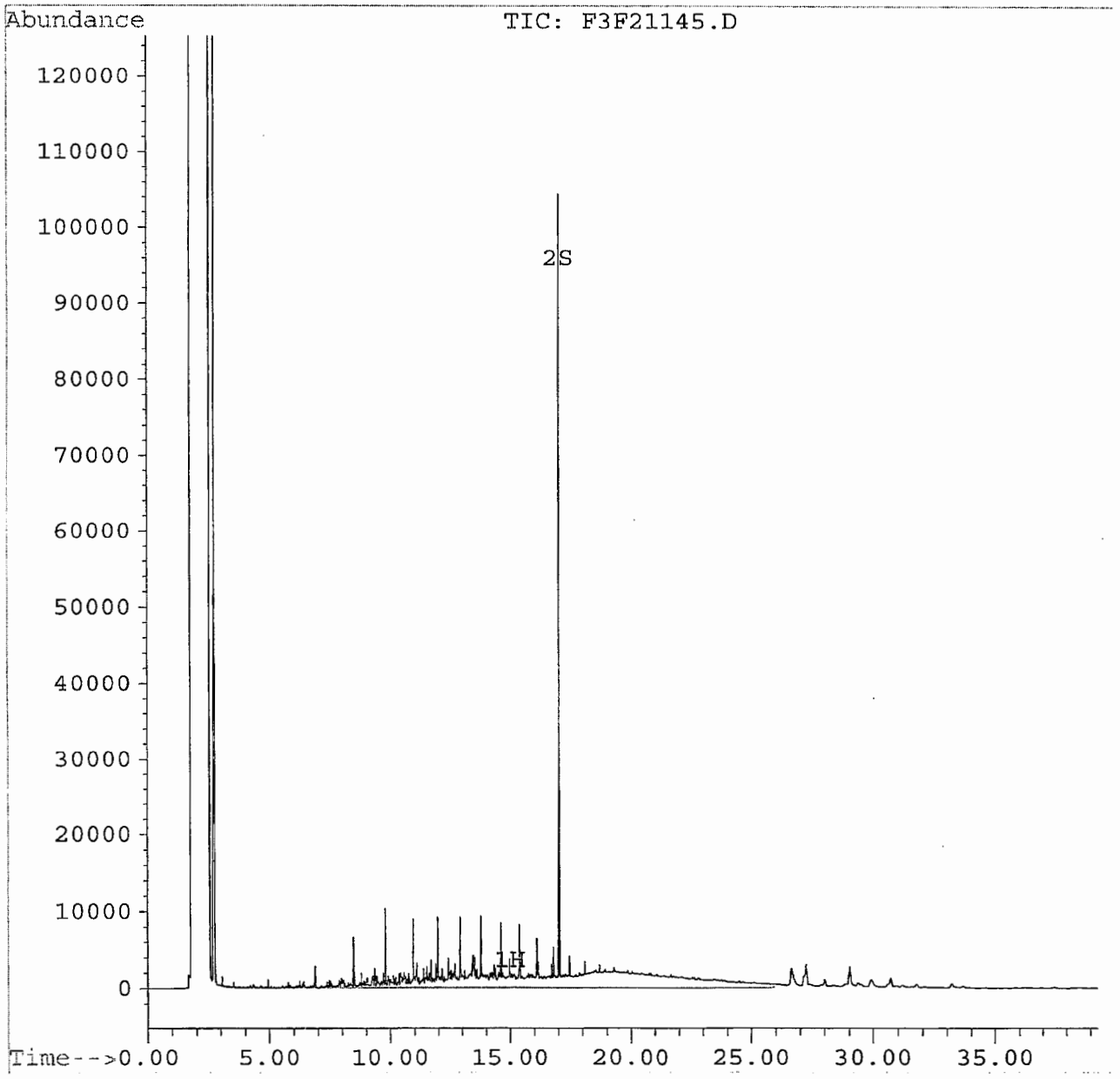
Quantitation Report

Data File : C:\HPCHEM\5\DATA\06292005\F3F21145.D
Acq On : 01 Jul 05 03:51 AM
Sample : 0506217-9MSD
Misc :
Quant Time: Jul 1 9:10 19105

Vial: 30
Operator: FIELDING
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\D062805.M
Title : 8015Bmod, Total Extractable Hydrocarbons
Last Update : Thu Jun 30 12:58:17 2005
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm, 0.5μm
Signal Info : FID



Miscellaneous

Paragon Analytics

284665

DIESEL RANGE ORGANICS (DRO) -- EXTRACTION BENCHSHEET

WO #s 0506183, 0506217 Matrix: AQ (SO) NA Batch #ex050627-1 Surrogate Code ST050426-8 M Spike Code ST050617-1 Initials ARF Balance ID L

Extr. Start Date/Time 06/27/05 1007 Stop Date/Time 06/27/05 1052 Ext Code (8015M) Cal Luft Method (8015M) Cal Luft SOP 603 Rev 8 Reviewed by / Date SMW 6-27-05

SAMPLE							EXTRACT		
Sample Number	Amount (g) mL)	Surrogate (mL)	Matrix Spike (mL)	Initials Spike Witness	Extract Solvent	Solvent Volume (mL)	Final Volume (mL)	Date Vialed	Comments
SMB	20.00	1.0	NA	ARF / SMW	Hexane	4.0	5.0	06/27/05	
0506183-1	20.01								
0506217-1	20.02								
-2	20.03								
-3	20.14								
-4	20.00								
-5	20.12								
-6	20.01								
-7	20.12								
-8	20.04								
-9	20.06								
-9MS	20.06		1.0			3.0			
-9MSD	20.06								
SLCS	20.00								
SLCSD	20.00								

ARF 06/27/05

Reagents: MeOH CM833 DCM NA 80% MeOH / 20% H_2O Prep ID/ Date CM833 ARF 06/20/05 Hexane CM086 Na_2SO_4 NA

Form 602r9.frm (4/12/2002)

Percent Moisture

Method SOP642

Lab Name: Paragon Analytics

Date Extracted: 06/28/2005
Date Analyzed: 06/28/2005
Analyst: Andrew Ross Freem

Validated By: ARF
Validation Date: 06/28/2005
Validation Time: 8:39:59 AM

Run ID	Prep Batch ID	QC Batch ID	Lab ID	QC Type	Dish Wt	Wet Wt	Dry Wt	Dry Wt-Dish Wt	Percent Moisture	Percent Solids	RPD
EX050627-2A	EX050627-2	EX050627-2-1	0506217-1	SMP	1.22	10.41	11.27	10.05	3.5	96.5	
EX050627-2A	EX050627-2	EX050627-2-1	EX050627-2	MB	1.23	1.23	1.23	0.00	100.0	0.0	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-2	SMP	1.21	10.41	10.77	9.56	8.2	91.8	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-3	SMP	1.19	10.25	10.82	9.63	6.0	94.0	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-4	SMP	1.19	10.83	11.75	10.56	2.5	97.5	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-5	DUP	1.21	10.54	11.02	9.81	6.9	93.1	0
EX050627-2A	EX050627-2	EX050627-2-1	0506217-5	SMP	1.21	10.17	10.68	9.47	6.9	93.1	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-6	SMP	1.22	10.33	11.44	10.22	1.1	98.9	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-7	SMP	1.2	10.81	9.64	8.44	21.9	78.1	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-8	SMP	1.21	10.56	8.19	6.98	33.9	66.1	
EX050627-2A	EX050627-2	EX050627-2-1	0506217-9	SMP	1.2	10.66	11.62	10.42	2.3	97.7	

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Comments:

DUP = Sample Duplicate
Wet Wt = Sample Wet Wt - Dish Wt
Dry Wt = Sample Dry Wt + Dish Wt
Dry Wt - Dish Wt = Sample Dry Wt - Dish Wt
All weight values shown above are expressed in grams.