Analytical Resources, Incorporated
Analytical Chemists and Consultants

September 15, 2006

Ben Hung
Anchor Environmental
6650 SW Redwood Lane, #110
Portland, OR 97224

RE: Client Project: 050332-01
ARI Job No. JU43

Dear Ben:

Please find enclosed the original chain of custody documentation and the final data package for samples from the project referenced above.

Problems associated with these analyses are discussed in the Case Narrative.

An electronic copy of this package will remain on file with ARI. Should you have any questions or problems, please feel free to contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Susan Dunnihoo
Client Service Manager
sue@arilabs.com
206/695-6207

Enclosures

cc: eFile JU43

SD/sdrd

Chain of Custody
Documentation

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JU43

prepared
by

Analytical Resources, Inc.

Sue Dunnihoo

From: Ben Hung [bhung@anchorenv.com]
Sent: Friday, August 25, 2006 11:04 AM
To: Sue Dunnihoo
Cc: Todd Thornburg; Michelle McClelland; Elizabeth Appy; Susan Snyder; Kelly Titkemeier
Subject: RE: Additional T4 samples (Port of Portland)

Sue,

We just noticed that T4-S3-03-K requested by Elizabeth had a field dup associated with it. Not sure if the dup was included in the run. We will need the dup analyzed as well. Let me know if you have questions.

Thanks,

Ben Hung
Anchor Environmental, L.L.C.
6650 SW Redwood Lane, Suite 110
Portland, OR 97224
503.670.1108 x21 (V)
503.670.1128 (F)
608.556.3994 (C)
bhung@anchorenv.com
http://www.anchorenv.com

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From: Sue Dunnihoo [mailto:sue@arilabs.com]
Sent: Wednesday, August 23, 2006 4:04 PM
To: Ben Hung
Cc: Todd Thornburg; Michelle McClelland; Elizabeth Appy; Susan Snyder; John Verduin
Subject: RE: Additional T4 samples (Port of Portland)

When you ask for SVOC, I will assume both phthalates and PAH unless you specify.

Thanks! - S

Susan D. Dunnihoo
206-695-6207

-----Original Message-----
From: Ben Hung [mailto:bhung@anchorenv.com]
Sent: Wednesday, August 23, 2006 12:49 PM
To: Sue Dunnihoo
Cc: Todd Thornburg; Michelle McClelland; Elizabeth Appy; Susan Snyder; John Verduin
Subject: Additional T4 samples (Port of Portland)

Sue (Dunnihoo),

Per my voice mail message, based on the initial T4 results we would like to have the following *additional* samples run. The analytes we would like are specified below.

1. T4-S3-03-E add SVOCs
2. T4-S3-03-F add SVOC's
3. T4-S3-03-G add SVOC's
4. T4-S3-04-E add Pb, Zn, SVOC's
5. T4-S3-04-F add Pb, Zn, SVOC's
6. T4-S3-05-K add Pb, Zn, SVOC's
7. T4-S3-07-F add SVOC's
8. T4-S3-08-D add SVOC's
9. T4-B414-01-D add Pb, Zn, SVOC's
10. T4-B414-01-E add Pb, Zn, SVOC's
11. T4-B414-01-F add Pb, Zn, SVOC's
12. T4-B414-02-D add Pb, Zn, SVOC's
13. T4-B414-02-E add Pb, Zn, SVOC's
14. T4-B414-02-F add Pb, Zn, SVOC's
15. T4-B414-04-D add SVOC's
16. T4-B414-04-E add SVOC's
17. T4-B414-04-F add SVOC's

Let me know if you have any questions.

Thanks,

Ben Hung
Anchor Environmental, L.L.C.
6650 SW Redwood Lane, Suite 110
Portland, OR 97224
503.670.1108 x21 (V)
503.670.1128 (F)
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From: Elizabeth Appy
Sent: Tuesday, August 15, 2006 5:15 PM
To: 'Sue Dunnihoo'
Cc: Todd Thornburg; Ben Hung; Michelle McClelland
Subject: Additional T4 samples (Port of Portland)

Hi Sue,

Based on the initial T4 results we would like to have the following samples run for the same analyses originally specified on the COCs (Conventionals--TOC, total solids; grain size; lead; zinc; TPH; and PAHs):

1. T4-S3-01-J
2. T4-S3-01-K
3. T4-S3-02-G
4. T4-S3-02-H
5. T4-S3-02-J
6. T4-S3-02-K

We would also like to have the following samples run for Lead, Zinc, and Grain Size only:

1. T4-S3-03-E
2. T4-S3-03-F
3. T4-S3-03-G

Let me know if you have any questions.

Elizabeth

Elizabeth Appy
Anchor Environmental, LLC
6650 SW Redwood Lane, Ste. 110
Portland, OR 97224
Office Line: 503-670-1108 X22
cell phone: 503-460-7504
FAX: 503-670-1128
www.anchorenv.com

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: JQ31	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 2 of 15

Date: 7/21/06 | Ice Present? Yes

No. of Coolers: 1.9 | Cooler Temps: 1.5 - 5° - GOIL; 2.0 - 2.8° - CARBOYS

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	ARCHIVE		Notes/Comments
T4-B414-01-A	7-20-06	0826	Sediment	3	X	X	X	X	X	X			
-B					X	X	X	X	X	X			
-C					X	X	X	X	X	X			
-D											X		ARCHIVE (FREEZE)
-E													
-F													
-G													
-H													
-J													
-K													

Comments/Special Instructions

Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature) [signature]	(Signature) [signature]	(Signature)	(Signature) Bob Congleton
Printed Name: TIM STONE	Printed Name: Art Wyna	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06 / 1200	Date & Time: 7-21-06 / 1200	Date & Time:	Date & Time: 7/21/06 1635

0005

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 3 of 15

Date: 7/21/06 | Ice Present: Yes

No. of Coolers: 19 | Cooler Temps: 1.5 - 5.0° - Sat. 6 CARBOYS 26 - 28°

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	ARCHIVE		Notes/Comments
T4-B414-02-A	7/19	1355	Sediment	3	X	X	X	X	X	X			
-B													
-C													
-D											X		ARCHIVE
-E													(FREEZE)
-F													
-G													
-H													
-J													
-K													

Comments/Special Instructions

9000

Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature) Tim Stone	(Signature) [signature]	(Signature)	(Signature) Bob Congleton
Printed Name: TIM STONE	Printed Name: Art Wynn	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06/1200	Date & Time: 7-21-06/1200	Date & Time:	Date & Time: 7/21/06 1635

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 4 of 15

Date: 7/21/06 | Ice Present? Y

No. of Coolers: 19 | Cooler Temps: 1.5 - 5.0 - Soils; 2.5 - 2.8 - CARBOYS

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	ARCHIVE		Notes/Comments
T4-B414-03-A	7/20	9:03	Sediment	3	X	X	X	X	X	X			
-B													
-C													
-D											X		ARCHIVE (FREEZE)
-E													
-F													
-G													
-H													
-J													
-K													

Comments/Special Instructions

0007

Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature) Tim Stone	(Signature) [signature]	(Signature)	(Signature) Bob Congleton
Printed Name: TIM STONE	Printed Name: Ark Wynn	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06 / 1200	Date & Time: 7-21-06 / 1200	Date & Time:	Date & Time: 7/21/06 1635

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 5 of 15

Date: 7/21/06 Ice Present? Y

No. of Coolers: 19 Cooler Temps: 15-50° — Soils; 26-28° — Carboys

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	ARCHIVE (FREEZE)		Notes/Comments
T4-B414-04-A	7/20	7:28	Sediment	3	X	X	X	X	X	X			
-B													
-C													
-D											X		ARCHIVE (FREEZE)
-E													
-F													
-G													
-H													
-J													
-K													

Comments/Special Instructions

8000

Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature) [signature]	(Signature) [signature]	(Signature)	(Signature) Bob Congleton
Printed Name: Tim STONE	Printed Name: Art Wynn	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06/1200	Date & Time: 7-21-06/1200	Date & Time:	Date & Time: 7/21/06 1635

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 6 of 15

Date: 7/21/06 Ice Present? Y

No. of Coolers: 19 Cooler Temps: 1.5-5.0° - Soils, 7.6-28° - Carboys

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	ARCHIVE (FREEZE)		Notes/Comments
T4-53-01 - A	7/18	1500	Sediment	3							X		ARCHIVE (FREEZE)
- B	↓	↓	↓								X		
- C											X		
- D					X	X	X	X	X	X			
- E					↓	↓	↓	↓	↓	↓			
- F													
- G													
- H													
- J											X		
- K	↓	↓	↓								X		

Comments/Special Instructions

6000

Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	Relinquished by: (Signature)	Received by: (Signature) BoC Congleton
Printed Name: ~~ANCHOR ENVTS~~ TIM STONE	Printed Name: Art Wynn	Printed Name:	Printed Name: BOB Congleton
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06 / 1200	Date & Time: 7-21-06 / 1200	Date & Time:	Date & Time: 7/21/06

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: J6232	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 7 of 15

Date: 7/21/06 | Ice Present? Y

No. of Coolers: 1 | Cooler Temps: 2.5-5.0°C

← 36 L's
← Carboys

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	TBT	Archive (freeze)	Notes/Comments
T4-53-02-A	7/18	16:27	Sediment	3							X	
-B											X	ARCHIVE = FREEZE
-C					X	X	X	X	X	X	X (EA)	
-D												
-E												
-F												
-G					↓	↓	↓	↓	↓	↓	X	
-H											X	
-J											X	
-K	↓	↓	↓	↓							X	

Comments/Special Instructions

0010

Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
Printed Name: TIM STONE	Printed Name: ART WYMAN	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06/1200	Date & Time: 7-21-06/1200	Date & Time:	Date & Time: 7/21/06 1635

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: J0232	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 8 of 15

Date: 7/21/06 Ice Present? Y

No. of Coolers: 19 Cooler Temps: 15-5.0 — Soils; 26-28° — Carboys

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	ARCHIVE (FREEZE)		Notes/Comments
T4-S3-03-A	7/19	858	Sediment	3							X		
-B					X	X	X	X	X	X			ARCHIVE =
-C													FREEZE
-D													
-E											X		
-F													
-G													
-H													
-J													
-K													

Comments/Special Instructions

0011

Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
Printed Name: Tim STONE	Printed Name: Art Wyman	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06/1200	Date & Time: 7-21-06/1200	Date & Time:	Date & Time: 7/21/06 1635

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 9 of 15

Date: 7/21/06 | Ice Present? Y

No. of Coolers: 19 | Cooler Temps: 1.5 - 5.0 - 26 - 28° - Soils CORBOYS

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	ARCHIVE (FREEZE)		Notes/Comments
T4-53-08-A	7/19	1505	Sediment	3							X		
-B	↓	↓	↓	↓	X	X	X	X	X	X			ARCHIVE =
-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			FREEZE
-D	↓	↓	↓	↓							X		
-E	↓	↓	↓	↓							↓		
-F	↓	↓	↓	↓							↓		
-G	↓	↓	↓	↓							↓		
-H	↓	↓	↓	↓							↓		
-J	↓	↓	↓	↓							↓		
-K	↓	↓	↓	↓							↓		

Comments/Special Instructions

0012

Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature) Tim Stone	(Signature) [signature]	(Signature)	(Signature) Bob Congleton
Printed Name: TIM STONE	Printed Name: ANT WYNN	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06 / 1200	Date & Time: 7-21-06 / 1200	Date & Time:	Date & Time: 7/21/06 1635

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 10 of 15

Date: 7/21/06 | ice Present? Y

No. of Coolers: 1 | Cooler Temps: 2.6 - 2.8

— SOILS
— CARBOYS

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270m)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	Archive (Freeze)		Notes/Comments
T4-53.05-A	7/19	10:06	Sediment	3							X		
-B	↓	↓	↓	↓							↓		
-C													ARCHIVE =
-D													FREEZE
-E					X	X	X	X	X	X			
-F					↓	↓	↓	↓	↓	↓			
-G													
-H													
-J													
-K	↓	↓	↓	↓							X		

Comments/Special Instructions

0013

	Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature)	Tim Stone			
Printed Name:	TIM STONE	ANT WYNN		ERIN CONGLETON
Company:	ANCHOR ENV.	SENV 04		ARI
Date & Time:	7-21-06 / 1200	7-21-06 / 1200		7/21/06 1635

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: OSD332-01	Samplers: BH/EA/KT

Page: 11 of 15

Date: 7/21/06 Ice Present? Y

No. of Coolers: 1 9 Cooler Temps: 2.6 - 2.8 ° — Soils — CARBOYS

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270m)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	Archive (freeze)		Notes/Comments
T4-S3-06-A	7/20	1217	Sediment	3	X	X	X	X	X	X			
-B					X	X	X	X	X	X			ARCHIVE =
-C											X		FREEZE
-D													
-E													
-F													
-G													
-H													
-J													
-K													

Comments/Special Instructions: Can't FIND (W) ANY COOLERS

	Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature)				
Printed Name:	TIM STONE	ANT WYNN		BOB CONGLETON
Company:	ANCHOR ENV.	SENVOY		ARI
Date & Time:	7-21-06/1200	7-21-06/1200		7/21/06 1635

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0014

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: JQ37	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 12 of 15

Date: 7/21/06 Ice Present? Y

No. of Coolers: 19 Cooler Temps: 15-5.0 — Soils; 26-28 — Carboys

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Analysis Requested

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	ARCHIVE (FREEZE)		Notes/Comments
T4-53-07-A	7/20	1330	Sediment	3							X		
-B					X	X	X	X	X	X			
-C													ARCHIVE =
-D													FREEZE
-E													
-F											X		
-G													
-H													
-J													
-K													

Comments/Special Instructions

Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature) Tim Stone	(Signature) [signature]	(Signature)	(Signature) Bob Congleton
Printed Name: TIM STONE	Printed Name: Art Wynn	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06 / 1200	Date & Time: 7-21-06 / 1200	Date & Time:	Date & Time: 7/21/06 1635

0015

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Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 13 of 15

Date: 7/21/06 | Ice Present? Y

No. of Coolers: 1/9 | Cooler Temps: 1.5 - 5.0° — Soils; 20 - 28 — CARBOYS

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270M)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	Archive (Freeze)		Notes/Comments
T4-53-04-A	7/20	1426	Sediment	3	X	X	X	X	X	X			
-B					↓	↓	↓	↓	↓	↓			
-C													ARCHIVE = FREEZE
-D													
-E											X		
-F											↓		
-G													
-H													
-J													→ Not here
-K	↓	↓	↓	↓									↓

Comments/Special Instructions

0016

Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature) Tim Stone	(Signature)	(Signature)	(Signature) Bob Congleton
Printed Name: TIM STONE	Printed Name:	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06/1200	Date & Time: 7-21-06/1200	Date & Time:	Date & Time: 7/21/06 1635

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: 15 business days
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 503-670-1108 x21
Client Contact: BEN HUNG	
Client Project Name: T4 EARLY ACTION	
Client Project #: 050332-01	Samplers: BH/EA/KT

Page: 14 of 15

Date: 7/21/06 | Ice Present? Y

No. of Coolers: 1 / 1 | Cooler Temps: 2.6 – 5.0 – Soils, 2.8 – Carboys

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	SVOCs (8270m)	TOC	NWTPH-Dx	Grainsize	Pb	Zn	Archive (freeze)		Notes/Comments
T4-S3-02-F-DUP	7/18	1627	Sediment	3 (ea)	X	X	X	X	X	X			
T4-S3-03-C-DUP	7/19	858	↓	↓	X	X	X	X	X	X			
T4-B414-02-A-DUP	7/19	1355			X	X	X	X	X	X			
T4-S3-02-K-DUP	7/18	1627									X		Sent w/ Analysis
T4-S3-03-H-DUP	7/19	858									X		MS/MSD

Comments/Special Instructions

0017

Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
Printed Name: TIM STONE	Printed Name: [illegible]	Printed Name:	Printed Name: BOB CONGLETON
Company: ANCHOR ENV.	Company: SENVOY	Company:	Company: ARI
Date & Time: 7-21-06/1200	Date & Time: 7-21-06/1200	Date & Time:	Date & Time: 7/21/06 1635

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Cooler Receipt Form

ANALYTICAL RESOURCES INCORPORATED

nt: Anchor Project Name: T4- Early Action

).: Delivered By: COURIER

g NO.: Date: 7/21/06

No.: JQ31 Lims NO.:

nary Examination Phase: 9 COOLERS W/CARBOYS; 26° – 28° each

1. Were intact, properly signed and dated custody seals attached To the outside of the cooler? ..... YES NO
2. Were custody papers included with the cooler ..... YES NO
3. Were custody papers properly filled out (ink, signed etc.)? ..... YES NO
4. Complete custody forms and attach all shipping documents ..... OK NA

Accepted BY: Bob Congleton Date: 7/21/06 Time: 1635

N Phase: 4 BUCKETS; AMBIENT

5. Was a temperature blank include in the cooler? ~~TB~~ ..... YES NO
6. Record Cooler Temperature 1.5, 3.5, 2, 1.5, 5, 3, 1.6, 2, 2, 1.5 °C 10 Coolers SOIL
7. What kind of packing material was used? ..... ICE
8. Was sufficient ice used (if appropriate)? ..... YES NO
9. Were all bottles sealed in separate plastic bags? ..... YES NO
10. Did all bottles arrive in good condition (unbroken)? ..... YES NO
11. Were all bottle labels complete and legible? ..... YES NO
12. Did all bottle labels and tags agree with custody papers? ..... YES NO
13. Were all bottles used correct for the requested analyses? ..... YES NO
14. Do any of the analyses (bottles) require preservative? (If so, Preservation checklist must be attached) ..... YES NO
15. Were all VOA vials free of air bubbles? ..... ~~YES NO~~
16. Was sufficient amount of sample sent in each bottle? ..... YES NO
17. Notify Project Manager of any discrepancies or concerns ..... OK NA

pened By: Bob Date: 7/21/06 Time 1635

ny discrepancies or negative responses:

~~A~~ – CAR BOY COOLERS IN CONVENTIONAL WALK-IN.

Case Narrative

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JU43

prepared
by

Analytical Resources, Inc.

ANALYTICAL
RESOURCES
INCORPORATED

Case Narrative

Client: Anchor Environmental
Project: 050332-01 T4 Early Action
Matrix: Sediment
ARI Job Nos. JU43

Sample receipt

Seventeen sediment samples were received July 21, 2006 as part of a much larger shipment. Samples were well iced and the ten cooler temperatures measured by IR thermometer following ARI SOP were 1.5-5.5° C for chemistry samples, which is within recommended limits. Samples were received in good condition with no discrepancies in paperwork, and a large number of the samples were placed on hold.

On August 23th ARI was instructed to analyze these 17 samples for a subset of parameters on the original COC. Samples containers for chemistry analysis were maintained in frozen archive until two days before sample extraction to preserve holding time. On August 25th, the sample **T4-S3-02-K-DUP** was added to the list of samples to be analyzed. Due to a miscommunication in sample receiving, **T4-S3-02-K-DUP** is reported under ARI Job JT82 and **T4-S3-02-K** analyzed for all parameters on the COC is reported here.

Samples were analyzed by both full-scan GC/MS for phthalates and selected ion monitoring for PAH for consistency with the first analytical sets.

Diesel/Motor Oil Range Hydrocarbons by WDOE NWTPH-Dx

The sample was extracted and analyzed within recommended holding times for frozen samples.

Initial and continuing calibrations were within method requirements.

The method blank was clean and LCS recoveries were within ARI limits.

Surrogates recoveries were within ARI control limits.

The MS/MSD had recoveries and RPDs within limits.

There were no incidents of note.

Semivolatiles by SW8270C

Sediment samples were initially screened to determine if a response was present that would affect sample analysis. Only sample, **T4-B414-01-F** was extracted at a lesser sample amount. Also, due to expected matrix issues with samples based on evaluation of the screens, it was determined that all samples should go through GPC cleanup.

Initial and continuing calibrations were within method requirements.

The method blank was clean at the reporting limit and the LCS had recoveries within limits for target compounds.

Surrogates recoveries were within ARI control limits.

The MS/MSD had recovery and RPDs within limits.

There were no incidents of note.

Semivolatiles by 8270C-Selected Ion Monitoring (SIM)

Sediment samples were initially screened to determine if a response was present that would affect sample analysis. Several samples were extracted at a lesser sample amount base on the results of the screen.

Samples were extracted and analyzed within recommended holding times for samples stored frozen.

Initial and continuing calibrations were within method requirements.

The method blank was clean at the reporting limit and LCS recoveries were within ARI limits.

Surrogates recoveries were within ARI control limits with the exception of high recovery of d14-Dibenzo(a,h)anthracene in **T4-B414-01-F**. Surrogate recoveries were acceptable in the diluted run of the sample.

Internal standard areas were within limits.

The MS/MSD had recoveries and RPDs outside limits for Chrysene and Benzo(k)fluoranthene. Outliers are attributed to concentrations in the parent sample and sample homogeneity. No corrective action is required.

Several samples required analysis at dilution due to analytes above the calibrated range of the instrument. Both sets of data have been included here.

The was recognizable sulfur in several samples, interfering with the quantitation of 1-Methylphenanthrene in several samples. Several samples were reported with an "M" flag, indicating a mass spectrum with low match to the library spectrum. Several samples have the reporting limit raised and "Y"-flagged, indicating a raised undetect level.

There were no other incidents of note.

Total Metals

The samples were digested and analyzed within holding times.

The method blank was clean at the reporting limit and LCS recoveries were within limits.

The duplicate RPDs were within limits and matrix spike recoveries were within limits.

There were no incidents of note.

General Chemistry Parameters

Total Organic Carbon

The sample was prepared and analyzed within the required holding time.

The method blank was clean and the LCS had recoveries within limits.

The replicate had acceptable RPD.

Standard reference recoveries were within limits.

Data Summary Package

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JU43

prepared
by

Analytical Resources, Inc.

Data Reporting Qualifiers

Effective 12/28/04

Inorganic Data

U Indicates that the target analyte was not detected at the reported concentration

* Duplicate RPD is not within established control limits

B Reported value is less than the CRDL but ≥ the Reporting Limit

N Matrix Spike recovery not within established control limits

NA Not Applicable, analyte not spiked

H The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible

L Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U Indicates that the target analyte was not detected at the reported concentration

* Flagged value is not within established control limits

B Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.

J Estimated concentration when the value is less than ARI's established reporting limits

D The spiked compound was not detected due to sample extract dilution

NR Spiked compound recovery is not reported due to chromatographic interference

E Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

S Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte

NA The flagged analyte was not analyzed for

NS The flagged analyte was not spiked into the sample

M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"

Y The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.

C The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column

P The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference

Geotechnical Data

A The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.

F Samples were frozen prior to particle size determination

SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations

SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis

W Weight of sample in some pipette aliquots was below the level required for accurate weighting

SEMIVOLATILE ORGANICS

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-01-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43A
LIMS ID: 06-15845
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 17:37
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 18.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 45.1%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	53	< 53 U
84-66-2	Diethylphthalate	53	< 53 U
84-74-2	Di-n-Butylphthalate	53	< 53 U
85-68-7	Butylbenzylphthalate	53	< 53 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**53**	**95**
117-84-0	Di-n-Octyl phthalate	53	< 53 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	62.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-01-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43B
LIMS ID: 06-15846
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 18:09
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 21.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 42.2%
pH: 6.4

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	47	< 47 U
84-66-2	Diethylphthalate	47	< 47 U
84-74-2	Di-n-Butylphthalate	47	< 47 U
85-68-7	Butylbenzylphthalate	47	< 47 U
117-81-7	bis(2-Ethylhexyl)phthalate	47	< 47 U
117-84-0	Di-n-Octyl phthalate	47	< 47 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	52.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-01-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43C
LIMS ID: 06-15847
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 18:40
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 43.7%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**21**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**47**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	50.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-02-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43D
LIMS ID: 06-15848
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 19:12
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 45.3%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**100**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	45.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-02-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43E
LIMS ID: 06-15849
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 19:44
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 44.0%
pH: 6.6

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**61**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	43.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-02-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43F
LIMS ID: 06-15850
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 20:16
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 42.5%
pH: 6.2

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**56**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	47.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-04-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43G
LIMS ID: 06-15851
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 20:49
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 50.5%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**45**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	46.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-04-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43H
LIMS ID: 06-15852
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 21:21
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 45.5%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**120**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	40.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-04-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43I
LIMS ID: 06-15853
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 21:53
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 44.1%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**76**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	41.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-02-K**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43J
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 22:25
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 25.8%
pH: 6.2

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	64.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-08-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43K
LIMS ID: 06-15855
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 22:57
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 24.7%
pH: 6.3

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	65.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-05-K**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43L
LIMS ID: 06-15856
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 23:29
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 28.0%
pH: 6.3

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	56.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-07-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43M
LIMS ID: 06-15857
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 00:00
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 26.8%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	62.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-04-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43N
LIMS ID: 06-15858
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 00:32
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 23.9%
pH: 6.3

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	69.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-04-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU430
LIMS ID: 06-15859
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 01:04
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 24.6%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	63.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43P
LIMS ID: 06-15860
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 01:36
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.8%
pH: 6.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**22**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	56.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43Q
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 02:07
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 19.5%
pH: 5.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	55.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-G**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43R
LIMS ID: 06-15862
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 10:56
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 29.3%
pH: 5.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	46.4%

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	TPH	TOT OUT
T4-B414-01-D	62.8%	0
T4-B414-01-F	52.8%	0
T4-B414-01-E	50.0%	0
T4-B414-02-D	45.2%	0
T4-B414-02-E	43.6%	0
T4-B414-02-F	47.2%	0
T4-B414-04-D	46.4%	0
T4-B414-04-E	40.4%	0
T4-B414-04-F	41.2%	0
T4-S3-02-K	64.0%	0
T4-S3-08-D	65.6%	0
T4-S3-05-K	56.0%	0
T4-S3-07-F	62.8%	0
T4-S3-04-E	69.6%	0
T4-S3-04-F	63.2%	0
T4-S3-03-E	56.0%	0
MB-090706	64.8%	0
LCS-090706	57.2%	0
T4-S3-03-F	55.2%	0
T4-S3-03-F MS	54.0%	0
T4-S3-03-F MSD	58.8%	0
T4-S3-03-G	46.4%	0

	LCS/MB LIMITS	QC LIMITS
(TPH) = d14-p-Terphenyl	(37-114)	(12-120)

Prep Method: SW3550B
Log Number Range: 06-15845 to 06-15862

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-F**
Page 1 of 1 **MS/MSD**

Lab Sample ID: JU43Q
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted MS/MSD: 09/07/06

Sample Amount MS: 50.7 g-dry-wt
MSD: 51.3 g-dry-wt

Date Analyzed MS: 09/14/06 02:39
MSD: 09/14/06 10:24

Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL

Instrument/Analyst MS: NT6/LJR
MSD: NT6/LJR

Dilution Factor MS: 1.00
MSD: 1.00

GPC Cleanup: YES

Percent Moisture: 19.5%
pH: 5.7

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Di-n-Octyl phthalate	< 19.5	260	493	52.7%	308	488	63.1%	16.9%

Results reported in µg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-F**
Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: JU43Q
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 02:39
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 19.5%
pH: 5.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	54.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-F**
Page 1 of 1 **MATRIX SPIKE DUPLICATE**

Lab Sample ID: JU43Q
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 10:24
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 19.5%
pH: 5.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**24**
117-84-0	Di-n-Octyl phthalate	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	58.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: LCS-090706**
Page 1 of 1 **LAB CONTROL**

Lab Sample ID: LCS-090706
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 16:33
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 50.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

Analyte	Lab Control	Spike Added	Recovery
Dimethylphthalate	316	500	63.2%
Diethylphthalate	323	500	64.6%
Di-n-Butylphthalate	347	500	69.4%
Butylbenzylphthalate	330	500	66.0%
bis(2-Ethylhexyl)phthalate	336	500	67.2%
Di-n-Octyl phthalate	322	500	64.4%

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	57.2%

Results reported in µg/kg

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JU43MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Lab File ID: JU43MB Date Extracted: 09/07/06

Instrument ID: NT6 Date Analyzed: 09/13/06

Matrix: SOLID Time Analyzed: 1601

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JU43LCSS1	JU43LCSS1	JU43SB	09/13/06
02	T4-B414-01-D	JU43A	JU43A	09/13/06
03	T4-B414-01-F	JU43B	JU43B	09/13/06
04	T4-B414-01-E	JU43C	JU43C	09/13/06
05	T4-B414-02-D	JU43D	JU43D	09/13/06
06	T4-B414-02-E	JU43E	JU43E	09/13/06
07	T4-B414-02-F	JU43F	JU43F	09/13/06
08	T4-B414-04-D	JU43G	JU43G	09/13/06
09	T4-B414-04-E	JU43H	JU43H	09/13/06
10	T4-B414-04-F	JU43I	JU43I	09/13/06
11	T4-S3-02-K	JU43J	JU43J	09/13/06
12	T4-S3-08-D	JU43K	JU43K	09/13/06
13	T4-S3-05-K	JU43L	JU43L	09/13/06
14	T4-S3-07-F	JU43M	JU43M	09/14/06
15	T4-S3-04-E	JU43N	JU43N	09/14/06
16	T4-S3-04-F	JU43O	JU43O	09/14/06
17	T4-S3-03-E	JU43P	JU43P	09/14/06
18	T4-S3-03-F	JU43Q	JU43Q	09/14/06
19	T4-S3-03-F MS	JU43QMS	JU43QMS	09/14/06
20	T4-S3-03-F MSD	JU43QMSD	JU43QMD2	09/14/06
21	T4-S3-03-G	JU43R	JU43R2	09/14/06
22				
23				
24				
25				
26				
27				
28				
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30				

COMMENTS:

FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: MB-090706**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-090706
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 16:01
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	64.8%

SIM SEMIVOLATILES

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-01-D
SAMPLE

Lab Sample ID: JU43A
LIMS ID: 06-15845
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 12:53
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 1.20 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 45.1%
pH: 6.8

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**42**	**130**	
91-57-6	**2-Methylnaphthalene**	**42**	**75**	
90-12-0	**1-Methylnaphthalene**	**42**	**29**	**J**
208-96-8	**Acenaphthylene**	**42**	**29**	**J**
83-32-9	**Acenaphthene**	**42**	**150**	
86-73-7	**Fluorene**	**42**	**120**	
85-01-8	**Phenanthrene**	**42**	**330**	
120-12-7	**Anthracene**	**42**	**100**	
206-44-0	**Fluoranthene**	**42**	**730**	
129-00-0	**Pyrene**	**42**	**710**	
56-55-3	**Benzo(a)anthracene**	**42**	**240**	
218-01-9	**Chrysene**	**42**	**370**	
205-99-2	**Benzo(b)fluoranthene**	**42**	**280**	
207-08-9	**Benzo(k)fluoranthene**	**42**	**250**	
50-32-8	**Benzo(a)pyrene**	**42**	**280**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**42**	**200**	
53-70-3	**Dibenz(a,h)anthracene**	**42**	**46**	
191-24-2	**Benzo(g,h,i)perylene**	**42**	**280**	
198-55-0	**Perylene**	**42**	**370**	
92-52-4	Biphenyl	42	< 42	U
581-42-0	2,6-Dimethylnaphthalene	42	< 42	U
832-69-9	1-Methylphenanthrene	42	< 42	U
192-97-2	**Benzo(e)pyrene**	**42**	**240**	
2245-38-7	2,3,5-Trimethylnaphthalene	42	< 42	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	82.7%
d14-Dibenzo(a,h)anthracen	89.3%

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ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-B414-01-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43B
LIMS ID: 06-15846
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 13:17
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 1.23 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 42.2%
pH: 6.4

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	41	750	
91-57-6	2-Methylnaphthalene	41	810	
90-12-0	1-Methylnaphthalene	41	890	
208-96-8	Acenaphthylene	41	170	
83-32-9	Acenaphthene	41	3,300	
86-73-7	Fluorene	41	2,800	
85-01-8	Phenanthrene	41	10,000	E
120-12-7	Anthracene	41	1,900	
206-44-0	Fluoranthene	41	7,000	E
129-00-0	Pyrene	41	6,000	E
56-55-3	Benzo(a)anthracene	41	1,800	
218-01-9	Chrysene	41	2,400	
205-99-2	Benzo(b)fluoranthene	41	980	
207-08-9	Benzo(k)fluoranthene	41	1,200	
50-32-8	Benzo(a)pyrene	41	1,600	
193-39-5	Indeno(1,2,3-cd)pyrene	41	870	
53-70-3	Dibenz(a,h)anthracene	41	220	
191-24-2	Benzo(g,h,i)perylene	41	1,200	
198-55-0	Perylene	41	520	
92-52-4	Biphenyl	41	77	
581-42-0	2,6-Dimethylnaphthalene	41	1,300	
832-69-9	1-Methylphenanthrene	41	920	
192-97-2	Benzo(e)pyrene	41	990	
2245-38-7	2,3,5-Trimethylnaphthalene	41	620	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	89.3%
d14-Dibenzo(a,h)anthracen	107%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-B414-01-F**
Page 1 of 1 **DILUTION**

Lab Sample ID: JU43B
LIMS ID: 06-15846
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/13/06 15:08
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 1.23 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 42.2%
pH: 6.4

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	200	790	
91-57-6	2-Methylnaphthalene	200	810	
90-12-0	1-Methylnaphthalene	200	890	
208-96-8	Acenaphthylene	200	180	J
83-32-9	Acenaphthene	200	3,200	
86-73-7	Fluorene	200	2,700	
85-01-8	Phenanthrene	200	11,000	
120-12-7	Anthracene	200	1,800	
206-44-0	Fluoranthene	200	7,200	
129-00-0	Pyrene	200	6,400	
56-55-3	Benzo(a)anthracene	200	1,700	
218-01-9	Chrysene	200	2,200	
205-99-2	Benzo(b)fluoranthene	200	1,000	
207-08-9	Benzo(k)fluoranthene	200	1,100	
50-32-8	Benzo(a)pyrene	200	1,400	
193-39-5	Indeno(1,2,3-cd)pyrene	200	710	
53-70-3	Dibenz(a,h)anthracene	200	240	
191-24-2	Benzo(g,h,i)perylene	200	920	
198-55-0	Perylene	200	510	
92-52-4	Biphenyl	200	< 200	U
581-42-0	2,6-Dimethylnaphthalene	200	1,200	
832-69-9	1-Methylphenanthrene	200	980	
192-97-2	Benzo(e)pyrene	200	920	
2245-38-7	2,3,5-Trimethylnaphthalene	200	670	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	88.7%
d14-Dibenzo(a,h)anthracen	84.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-B414-01-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43C
LIMS ID: 06-15847
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 14:17
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 3.00
Percent Moisture: 43.7%
pH: 6.7

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	15	590	
91-57-6	2-Methylnaphthalene	15	430	
90-12-0	1-Methylnaphthalene	15	180	
208-96-8	Acenaphthylene	15	160	
83-32-9	Acenaphthene	15	1,100	
86-73-7	Fluorene	15	790	
85-01-8	Phenanthrene	15	3,000	E
120-12-7	Anthracene	15	510	
206-44-0	Fluoranthene	15	4,200	E
129-00-0	Pyrene	15	3,800	E
56-55-3	Benzo(a)anthracene	15	1,700	E
218-01-9	Chrysene	15	2,300	E
205-99-2	Benzo(b)fluoranthene	15	1,700	E
207-08-9	Benzo(k)fluoranthene	15	1,500	E
50-32-8	Benzo(a)pyrene	15	2,300	E
193-39-5	Indeno(1,2,3-cd)pyrene	15	1,300	
53-70-3	Dibenz(a,h)anthracene	15	330	
191-24-2	Benzo(g,h,i)perylene	15	1,700	E
198-55-0	Perylene	15	750	
92-52-4	Biphenyl	15	79	
581-42-0	2,6-Dimethylnaphthalene	15	190	
832-69-9	1-Methylphenanthrene	15	260	
192-97-2	Benzo(e)pyrene	15	1,400	
2245-38-7	2,3,5-Trimethylnaphthalene	15	170	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	93.3%
d14-Dibenzo(a,h)anthracen	88.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-01-E
DILUTION

Lab Sample ID: JU43C
LIMS ID: 06-15847
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/13/06 15:33
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 20.0
Percent Moisture: 43.7%
pH: 6.7

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	98	550
91-57-6	2-Methylnaphthalene	98	390
90-12-0	1-Methylnaphthalene	98	170
208-96-8	Acenaphthylene	98	150
83-32-9	Acenaphthene	98	1,100
86-73-7	Fluorene	98	740
85-01-8	Phenanthrene	98	3,000
120-12-7	Anthracene	98	460
206-44-0	Fluoranthene	98	4,400
129-00-0	Pyrene	98	4,300
56-55-3	Benzo(a)anthracene	98	1,700
218-01-9	Chrysene	98	2,200
205-99-2	Benzo(b)fluoranthene	98	1,300
207-08-9	Benzo(k)fluoranthene	98	1,800
50-32-8	Benzo(a)pyrene	98	2,300
193-39-5	Indeno(1,2,3-cd)pyrene	98	1,200
53-70-3	Dibenz(a,h)anthracene	98	260
191-24-2	Benzo(g,h,i)perylene	98	1,500
198-55-0	Perylene	98	750
92-52-4	Biphenyl	98	< 98 U
581-42-0	2,6-Dimethylnaphthalene	98	190
832-69-9	1-Methylphenanthrene	98	280
192-97-2	Benzo(e)pyrene	98	1,400
2245-38-7	2,3,5-Trimethylnaphthalene	98	150

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	88.0%
d14-Dibenzo(a,h)anthracen	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-B414-02-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43D
LIMS ID: 06-15848
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 14:42
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 45.3%
pH: 6.7

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	5.0	96
91-57-6	2-Methylnaphthalene	5.0	46
90-12-0	1-Methylnaphthalene	5.0	17
208-96-8	Acenaphthylene	5.0	19
83-32-9	Acenaphthene	5.0	61
86-73-7	Fluorene	5.0	59
85-01-8	Phenanthrene	5.0	280
120-12-7	Anthracene	5.0	77
206-44-0	Fluoranthene	5.0	470
129-00-0	Pyrene	5.0	480
56-55-3	Benzo(a)anthracene	5.0	190
218-01-9	Chrysene	5.0	270
205-99-2	Benzo(b)fluoranthene	5.0	220
207-08-9	Benzo(k)fluoranthene	5.0	170
50-32-8	Benzo(a)pyrene	5.0	200
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	110
53-70-3	Dibenz(a,h)anthracene	5.0	33
191-24-2	Benzo(g,h,i)perylene	5.0	120
198-55-0	Perylene	5.0	300
92-52-4	Biphenyl	5.0	12
581-42-0	2,6-Dimethylnaphthalene	5.0	32
832-69-9	1-Methylphenanthrene	5.0	30
192-97-2	Benzo(e)pyrene	5.0	150
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	17

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	77.3%
d14-Dibenzo(a,h)anthracen	64.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-B414-02-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43E
LIMS ID: 06-15849
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 15:07
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 44.0%
pH: 6.6

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	4.9	70
91-57-6	2-Methylnaphthalene	4.9	48
90-12-0	1-Methylnaphthalene	4.9	17
208-96-8	Acenaphthylene	4.9	22
83-32-9	Acenaphthene	4.9	74
86-73-7	Fluorene	4.9	63
85-01-8	Phenanthrene	4.9	260
120-12-7	Anthracene	4.9	62
206-44-0	Fluoranthene	4.9	370
129-00-0	Pyrene	4.9	400
56-55-3	Benzo(a)anthracene	4.9	140
218-01-9	Chrysene	4.9	230
205-99-2	Benzo(b)fluoranthene	4.9	180
207-08-9	Benzo(k)fluoranthene	4.9	140
50-32-8	Benzo(a)pyrene	4.9	190
193-39-5	Indeno(1,2,3-cd)pyrene	4.9	95
53-70-3	Dibenz(a,h)anthracene	4.9	29
191-24-2	Benzo(g,h,i)perylene	4.9	120
198-55-0	Perylene	4.9	240
92-52-4	Biphenyl	4.9	10
581-42-0	2,6-Dimethylnaphthalene	4.9	33
832-69-9	1-Methylphenanthrene	4.9	33
192-97-2	Benzo(e)pyrene	4.9	130
2245-38-7	2,3,5-Trimethylnaphthalene	4.9	29

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	82.3%
d14-Dibenzo(a,h)anthracen	80.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-B414-02-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43F
LIMS ID: 06-15850
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 15:31
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 3.00
Percent Moisture: 42.5%
pH: 6.2

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	15	400
91-57-6	2-Methylnaphthalene	15	230
90-12-0	1-Methylnaphthalene	15	120
208-96-8	Acenaphthylene	15	49
83-32-9	Acenaphthene	15	580
86-73-7	Fluorene	15	430
85-01-8	Phenanthrene	15	1,400
120-12-7	Anthracene	15	240
206-44-0	Fluoranthene	15	1,600 E
129-00-0	Pyrene	15	1,400
56-55-3	Benzo(a)anthracene	15	500
218-01-9	Chrysene	15	710
205-99-2	Benzo(b)fluoranthene	15	460
207-08-9	Benzo(k)fluoranthene	15	390
50-32-8	Benzo(a)pyrene	15	430
193-39-5	Indeno(1,2,3-cd)pyrene	15	200
53-70-3	Dibenz(a,h)anthracene	15	48
191-24-2	Benzo(g,h,i)perylene	15	230
198-55-0	Perylene	15	270
92-52-4	Biphenyl	15	36
581-42-0	2,6-Dimethylnaphthalene	15	160
832-69-9	1-Methylphenanthrene	15	150
192-97-2	Benzo(e)pyrene	15	310
2245-38-7	2,3,5-Trimethylnaphthalene	15	110

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	88.7%
d14-Dibenzo(a,h)anthracen	69.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-B414-02-F**
Page 1 of 1 **DILUTION**

Lab Sample ID: JU43F
LIMS ID: 06-15850
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/13/06 15:59
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 10.0
Percent Moisture: 42.5%
pH: 6.2

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	50	390	
91-57-6	2-Methylnaphthalene	50	220	
90-12-0	1-Methylnaphthalene	50	110	
208-96-8	Acenaphthylene	50	40	J
83-32-9	Acenaphthene	50	540	
86-73-7	Fluorene	50	400	
85-01-8	Phenanthrene	50	1,300	
120-12-7	Anthracene	50	220	
206-44-0	Fluoranthene	50	1,500	
129-00-0	Pyrene	50	1,400	
56-55-3	Benzo(a)anthracene	50	460	
218-01-9	Chrysene	50	650	
205-99-2	Benzo(b)fluoranthene	50	440	
207-08-9	Benzo(k)fluoranthene	50	350	
50-32-8	Benzo(a)pyrene	50	380	
193-39-5	Indeno(1,2,3-cd)pyrene	50	180	
53-70-3	Dibenz(a,h)anthracene	50	40	J
191-24-2	Benzo(g,h,i)perylene	50	230	
198-55-0	Perylene	50	250	
92-52-4	Biphenyl	50	< 50	U
581-42-0	2,6-Dimethylnaphthalene	50	150	
832-69-9	1-Methylphenanthrene	50	130	
192-97-2	Benzo(e)pyrene	50	280	
2245-38-7	2,3,5-Trimethylnaphthalene	50	110	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	82.3%
d14-Dibenzo(a,h)anthracen	62.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-B414-04-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43G
LIMS ID: 06-15851
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 15:56
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 50.5%
pH: 6.7

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	4.9	28
91-57-6	2-Methylnaphthalene	4.9	15
90-12-0	1-Methylnaphthalene	4.9	12
208-96-8	Acenaphthylene	4.9	6.4
83-32-9	Acenaphthene	4.9	51
86-73-7	Fluorene	4.9	30
85-01-8	Phenanthrene	4.9	190
120-12-7	Anthracene	4.9	39
206-44-0	Fluoranthene	4.9	310
129-00-0	Pyrene	4.9	280
56-55-3	Benzo(a)anthracene	4.9	130
218-01-9	Chrysene	4.9	180
205-99-2	Benzo(b)fluoranthene	4.9	190
207-08-9	Benzo(k)fluoranthene	4.9	150
50-32-8	Benzo(a)pyrene	4.9	180
193-39-5	Indeno(1,2,3-cd)pyrene	4.9	97
53-70-3	Dibenz(a,h)anthracene	4.9	33
191-24-2	Benzo(g,h,i)perylene	4.9	100
198-55-0	Perylene	4.9	250
92-52-4	Biphenyl	4.9	5.4
581-42-0	2,6-Dimethylnaphthalene	4.9	12
832-69-9	1-Methylphenanthrene	4.9	17
192-97-2	Benzo(e)pyrene	4.9	120
2245-38-7	2,3,5-Trimethylnaphthalene	4.9	6.4

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	88.3%
d14-Dibenzo(a,h)anthracen	81.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-04-E
SAMPLE

Lab Sample ID: JU43H
LIMS ID: 06-15852
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 16:21
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 45.5%
pH: 6.7

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	5.0	84	
91-57-6	2-Methylnaphthalene	5.0	33	
90-12-0	1-Methylnaphthalene	5.0	15	
208-96-8	Acenaphthylene	5.0	20	
83-32-9	Acenaphthene	5.0	160	
86-73-7	Fluorene	5.0	81	
85-01-8	Phenanthrene	5.0	650	E
120-12-7	Anthracene	5.0	170	
206-44-0	Fluoranthene	5.0	1,300	E
129-00-0	Pyrene	5.0	1,200	E
56-55-3	Benzo(a)anthracene	5.0	770	E
218-01-9	Chrysene	5.0	970	E
205-99-2	Benzo(b)fluoranthene	5.0	1,100	E
207-08-9	Benzo(k)fluoranthene	5.0	780	E
50-32-8	Benzo(a)pyrene	5.0	1,000	E
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	490	
53-70-3	Dibenz(a,h)anthracene	5.0	180	
191-24-2	Benzo(g,h,i)perylene	5.0	500	E
198-55-0	Perylene	5.0	600	E
92-52-4	Biphenyl	5.0	9.4	
581-42-0	2,6-Dimethylnaphthalene	5.0	21	
832-69-9	1-Methylphenanthrene	5.0	59	
192-97-2	Benzo(e)pyrene	5.0	670	E
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	13	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	92.0%
d14-Dibenzo(a,h)anthracen	78.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-B414-04-E**
Page 1 of 1 **DILUTION**

Lab Sample ID: JU43H
LIMS ID: 06-15852
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/14/06 09:02
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 45.5%
pH: 6.7

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**25**	**82**	
91-57-6	**2-Methylnaphthalene**	**25**	**35**	
90-12-0	**1-Methylnaphthalene**	**25**	**15**	**J**
208-96-8	**Acenaphthylene**	**25**	**20**	**J**
83-32-9	**Acenaphthene**	**25**	**140**	
86-73-7	**Fluorene**	**25**	**82**	
85-01-8	**Phenanthrene**	**25**	**650**	
120-12-7	**Anthracene**	**25**	**150**	
206-44-0	**Fluoranthene**	**25**	**1,400**	
129-00-0	**Pyrene**	**25**	**1,200**	
56-55-3	**Benzo(a)anthracene**	**25**	**770**	
218-01-9	**Chrysene**	**25**	**1,000**	
205-99-2	**Benzo(b)fluoranthene**	**25**	**1,100**	
207-08-9	**Benzo(k)fluoranthene**	**25**	**810**	
50-32-8	**Benzo(a)pyrene**	**25**	**1,000**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**25**	**660**	
53-70-3	**Dibenz(a,h)anthracene**	**25**	**230**	
191-24-2	**Benzo(g,h,i)perylene**	**25**	**800**	
198-55-0	**Perylene**	**25**	**590**	
92-52-4	Biphenyl	25	< 25	U
581-42-0	2,6-Dimethylnaphthalene	25	< 25	U
832-69-9	**1-Methylphenanthrene**	**25**	**52**	
192-97-2	**Benzo(e)pyrene**	**25**	**670**	
2245-38-7	2,3,5-Trimethylnaphthalene	25	< 25	U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	91.7%
d14-Dibenzo(a,h)anthracen	91.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-B414-04-F
SAMPLE

Lab Sample ID: JU43I
LIMS ID: 06-15853
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 16:45
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 44.1%
pH: 6.8

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	5.0	40	
91-57-6	2-Methylnaphthalene	5.0	22	
90-12-0	1-Methylnaphthalene	5.0	10	
208-96-8	Acenaphthylene	5.0	12	
83-32-9	Acenaphthene	5.0	62	
86-73-7	Fluorene	5.0	48	
85-01-8	Phenanthrene	5.0	300	
120-12-7	Anthracene	5.0	60	
206-44-0	Fluoranthene	5.0	540	E
129-00-0	Pyrene	5.0	480	
56-55-3	Benzo(a)anthracene	5.0	240	
218-01-9	Chrysene	5.0	340	
205-99-2	Benzo(b)fluoranthene	5.0	320	
207-08-9	Benzo(k)fluoranthene	5.0	280	
50-32-8	Benzo(a)pyrene	5.0	310	
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	140	
53-70-3	Dibenz(a,h)anthracene	5.0	56	
191-24-2	Benzo(g,h,i)perylene	5.0	150	
198-55-0	Perylene	5.0	370	
92-52-4	Biphenyl	5.0	6.4	
581-42-0	2,6-Dimethylnaphthalene	5.0	16	
832-69-9	1-Methylphenanthrene	5.0	28	M
192-97-2	Benzo(e)pyrene	5.0	220	
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	15	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	86.0%
d14-Dibenzo(a,h)anthracen	68.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-B414-04-F**
Page 1 of 1 **DILUTION**

Lab Sample ID: JU43I
LIMS ID: 06-15853
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/14/06 09:27
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 3.00
Percent Moisture: 44.1%
pH: 6.8

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	15	40	
91-57-6	2-Methylnaphthalene	15	24	
90-12-0	1-Methylnaphthalene	15	10	J
208-96-8	Acenaphthylene	15	12	J
83-32-9	Acenaphthene	15	61	
86-73-7	Fluorene	15	48	
85-01-8	Phenanthrene	15	300	
120-12-7	Anthracene	15	58	
206-44-0	Fluoranthene	15	590	
129-00-0	Pyrene	15	480	
56-55-3	Benzo(a)anthracene	15	250	
218-01-9	Chrysene	15	350	
205-99-2	Benzo(b)fluoranthene	15	340	
207-08-9	Benzo(k)fluoranthene	15	270	
50-32-8	Benzo(a)pyrene	15	320	
193-39-5	Indeno(1,2,3-cd)pyrene	15	200	
53-70-3	Dibenz(a,h)anthracene	15	59	
191-24-2	Benzo(g,h,i)perylene	15	240	
198-55-0	Perylene	15	390	
92-52-4	Biphenyl	15	< 15	U
581-42-0	2,6-Dimethylnaphthalene	15	16	
832-69-9	1-Methylphenanthrene	15	28	M
192-97-2	Benzo(e)pyrene	15	220	
2245-38-7	2,3,5-Trimethylnaphthalene	15	16	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	88.0%
d14-Dibenzo(a,h)anthracen	81.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-02-K
SAMPLE

Lab Sample ID: JU43J
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 17:10
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 25.8%
pH: 6.2

CAS Number	Analyte	RL	Result	
91-20-3	Naphthalene	5.0	10	
91-57-6	2-Methylnaphthalene	5.0	6.0	
90-12-0	1-Methylnaphthalene	5.0	4.5	J
208-96-8	Acenaphthylene	5.0	3.5	J
83-32-9	Acenaphthene	5.0	16	
86-73-7	Fluorene	5.0	6.5	
85-01-8	Phenanthrene	5.0	66	
120-12-7	Anthracene	5.0	11	
206-44-0	Fluoranthene	5.0	92	
129-00-0	Pyrene	5.0	110	
56-55-3	Benzo(a)anthracene	5.0	38	
218-01-9	Chrysene	5.0	56	
205-99-2	Benzo(b)fluoranthene	5.0	37	
207-08-9	Benzo(k)fluoranthene	5.0	38	
50-32-8	Benzo(a)pyrene	5.0	44	
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	22	
53-70-3	Dibenz(a,h)anthracene	5.0	6.0	
191-24-2	Benzo(g,h,i)perylene	5.0	24	
198-55-0	Perylene	5.0	90	
92-52-4	Biphenyl	5.0	< 5.0	U
581-42-0	2,6-Dimethylnaphthalene	5.0	10	
832-69-9	1-Methylphenanthrene	5.0	20	M
192-97-2	Benzo(e)pyrene	5.0	30	
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	18	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	93.0%
d14-Dibenzo(a,h)anthracen	90.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-08-D
SAMPLE

Lab Sample ID: JU43K
LIMS ID: 06-15855
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 18:24
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 24.7%
pH: 6.3

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.9**	**6.4**
91-57-6	**2-Methylnaphthalene**	**4.9**	**3.9 J**
90-12-0	**1-Methylnaphthalene**	**4.9**	**2.0 J**
208-96-8	Acenaphthylene	4.9	< 4.9 U
83-32-9	**Acenaphthene**	**4.9**	**29**
86-73-7	**Fluorene**	**4.9**	**12**
85-01-8	**Phenanthrene**	**4.9**	**110**
120-12-7	**Anthracene**	**4.9**	**26**
206-44-0	**Fluoranthene**	**4.9**	**250**
129-00-0	**Pyrene**	**4.9**	**220**
56-55-3	**Benzo(a)anthracene**	**4.9**	**160**
218-01-9	**Chrysene**	**4.9**	**190**
205-99-2	**Benzo(b)fluoranthene**	**4.9**	**190**
207-08-9	**Benzo(k)fluoranthene**	**4.9**	**190**
50-32-8	**Benzo(a)pyrene**	**4.9**	**220**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.9**	**110**
53-70-3	**Dibenz(a,h)anthracene**	**4.9**	**39**
191-24-2	**Benzo(g,h,i)perylene**	**4.9**	**110**
198-55-0	**Perylene**	**4.9**	**69**
92-52-4	Biphenyl	4.9	< 4.9 U
581-42-0	2,6-Dimethylnaphthalene	4.9	< 4.9 U
832-69-9	**1-Methylphenanthrene**	**4.9**	**7.4 M**
192-97-2	**Benzo(e)pyrene**	**4.9**	**130**
2245-38-7	2,3,5-Trimethylnaphthalene	4.9	< 4.9 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	86.0%
d14-Dibenzo(a,h)anthracen	85.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-S3-05-K**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43L
LIMS ID: 06-15856
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 19:38
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 28.0%
pH: 6.3

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	5.0	< 5.0 U
90-12-0	1-Methylnaphthalene	5.0	< 5.0 U
208-96-8	Acenaphthylene	5.0	< 5.0 U
83-32-9	**Acenaphthene**	**5.0**	**11**
86-73-7	Fluorene	5.0	< 5.0 U
85-01-8	**Phenanthrene**	**5.0**	**8.9**
120-12-7	Anthracene	5.0	< 5.0 U
206-44-0	**Fluoranthene**	**5.0**	**5.9**
129-00-0	**Pyrene**	**5.0**	**6.4**
56-55-3	**Benzo(a)anthracene**	**5.0**	**4.0 J**
218-01-9	**Chrysene**	**5.0**	**4.5 J**
205-99-2	**Benzo(b)fluoranthene**	**5.0**	**4.0 J**
207-08-9	**Benzo(k)fluoranthene**	**5.0**	**4.0 J**
50-32-8	**Benzo(a)pyrene**	**5.0**	**5.0**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**5.0**	**2.5 J**
53-70-3	Dibenz(a,h)anthracene	5.0	< 5.0 U
191-24-2	Benzo(g,h,i)perylene	5.0	< 5.0 U
198-55-0	**Perylene**	**5.0**	**36**
92-52-4	Biphenyl	5.0	< 5.0 U
581-42-0	2,6-Dimethylnaphthalene	5.0	< 5.0 U
832-69-9	1-Methylphenanthrene	5.0	< 5.0 U
192-97-2	Benzo(e)pyrene	5.0	< 5.0 U
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	< 5.0 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	87.3%
d14-Dibenzo(a,h)anthracen	85.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-S3-07-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43M
LIMS ID: 06-15857
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 20:03
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 26.8%
pH: 6.7

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.9**	**2.4 J**
91-57-6	2-Methylnaphthalene	4.9	< 4.9 U
90-12-0	1-Methylnaphthalene	4.9	< 4.9 U
208-96-8	Acenaphthylene	4.9	< 4.9 U
83-32-9	**Acenaphthene**	**4.9**	**3.4 J**
86-73-7	Fluorene	4.9	< 4.9 U
85-01-8	**Phenanthrene**	**4.9**	**16**
120-12-7	**Anthracene**	**4.9**	**3.9 J**
206-44-0	**Fluoranthene**	**4.9**	**43**
129-00-0	**Pyrene**	**4.9**	**36**
56-55-3	**Benzo(a)anthracene**	**4.9**	**25**
218-01-9	**Chrysene**	**4.9**	**30**
205-99-2	**Benzo(b)fluoranthene**	**4.9**	**28**
207-08-9	**Benzo(k)fluoranthene**	**4.9**	**31**
50-32-8	**Benzo(a)pyrene**	**4.9**	**33**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.9**	**17**
53-70-3	**Dibenz(a,h)anthracene**	**4.9**	**6.9**
191-24-2	**Benzo(g,h,i)perylene**	**4.9**	**18**
198-55-0	**Perylene**	**4.9**	**12**
92-52-4	Biphenyl	4.9	< 4.9 U
581-42-0	2,6-Dimethylnaphthalene	4.9	< 4.9 U
832-69-9	1-Methylphenanthrene	4.9	< 4.9 U
192-97-2	**Benzo(e)pyrene**	**4.9**	**22**
2245-38-7	2,3,5-Trimethylnaphthalene	4.9	< 4.9 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	81.7%
d14-Dibenzo(a,h)anthracen	79.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-04-E
SAMPLE

Lab Sample ID: JU43N
LIMS ID: 06-15858
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 20:27
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 23.9%
pH: 6.3

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	4.8	< 4.8 U
91-57-6	2-Methylnaphthalene	4.8	< 4.8 U
90-12-0	1-Methylnaphthalene	4.8	< 4.8 U
208-96-8	Acenaphthylene	4.8	< 4.8 U
83-32-9	Acenaphthene	4.8	< 4.8 U
86-73-7	Fluorene	4.8	< 4.8 U
85-01-8	**Phenanthrene**	**4.8**	**5.3**
120-12-7	Anthracene	4.8	< 4.8 U
206-44-0	**Fluoranthene**	**4.8**	**14**
129-00-0	**Pyrene**	**4.8**	**12**
56-55-3	**Benzo(a)anthracene**	**4.8**	**8.7**
218-01-9	**Chrysene**	**4.8**	**11**
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**13**
207-08-9	**Benzo(k)fluoranthene**	**4.8**	**7.8**
50-32-8	**Benzo(a)pyrene**	**4.8**	**10**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**5.3**
53-70-3	Dibenz(a,h)anthracene	4.8	< 4.8 U
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**4.8**
198-55-0	Perylene	4.9	< 4.9 U
92-52-4	Biphenyl	4.9	< 4.9 U
581-42-0	2,6-Dimethylnaphthalene	4.8	< 4.8 U
832-69-9	1-Methylphenanthrene	4.8	< 4.8 U
192-97-2	**Benzo(e)pyrene**	**4.8**	**7.8**
2245-38-7	2,3,5-Trimethylnaphthalene	4.8	< 4.8 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	83.7%
d14-Dibenzo(a,h)anthracen	84.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-S3-04-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43O
LIMS ID: 06-15859
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 20:52
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 24.6%
pH: 6.7

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	4.9	< 4.9 U
91-57-6	2-Methylnaphthalene	4.9	< 4.9 U
90-12-0	1-Methylnaphthalene	4.9	< 4.9 U
208-96-8	Acenaphthylene	4.9	< 4.9 U
83-32-9	Acenaphthene	4.9	< 4.9 U
86-73-7	Fluorene	4.9	< 4.9 U
85-01-8	**Phenanthrene**	**4.9**	**5.9**
120-12-7	Anthracene	4.9	< 4.9 U
206-44-0	**Fluoranthene**	**4.9**	**14**
129-00-0	**Pyrene**	**4.9**	**12**
56-55-3	**Benzo(a)anthracene**	**4.9**	**8.3**
218-01-9	**Chrysene**	**4.9**	**11**
205-99-2	**Benzo(b)fluoranthene**	**4.9**	**11**
207-08-9	**Benzo(k)fluoranthene**	**4.9**	**8.8**
50-32-8	**Benzo(a)pyrene**	**4.9**	**11**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.9**	**4.4 J**
53-70-3	Dibenz(a,h)anthracene	4.9	< 4.9 U
191-24-2	**Benzo(g,h,i)perylene**	**4.9**	**5.4**
198-55-0	Perylene	4.9	< 4.9 U
92-52-4	Biphenyl	4.9	< 4.9 U
581-42-0	2,6-Dimethylnaphthalene	4.9	< 4.9 U
832-69-9	1-Methylphenanthrene	4.9	< 4.9 U
192-97-2	**Benzo(e)pyrene**	**4.9**	**6.9**
2245-38-7	2,3,5-Trimethylnaphthalene	4.9	< 4.9 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	85.0%
d14-Dibenzo(a,h)anthracen	80.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-03-E
SAMPLE

Lab Sample ID: JU43P
LIMS ID: 06-15860
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 21:17
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 22.8%
pH: 6.0

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	5.0	90
91-57-6	2-Methylnaphthalene	5.0	51
90-12-0	1-Methylnaphthalene	5.0	29
208-96-8	Acenaphthylene	5.0	27
83-32-9	Acenaphthene	5.0	94
86-73-7	Fluorene	5.0	50
85-01-8	Phenanthrene	5.0	530 E
120-12-7	Anthracene	5.0	100
206-44-0	Fluoranthene	5.0	760 E
129-00-0	Pyrene	5.0	920 E
56-55-3	Benzo(a)anthracene	5.0	340
218-01-9	Chrysene	5.0	460
205-99-2	Benzo(b)fluoranthene	5.0	310
207-08-9	Benzo(k)fluoranthene	5.0	380
50-32-8	Benzo(a)pyrene	5.0	440
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	180
53-70-3	Dibenz(a,h)anthracene	5.0	53
191-24-2	Benzo(g,h,i)perylene	5.0	210
198-55-0	Perylene	5.0	210
92-52-4	Biphenyl	5.0	12
581-42-0	2,6-Dimethylnaphthalene	5.0	71
832-69-9	1-Methylphenanthrene	31	< 31 Y
192-97-2	Benzo(e)pyrene	5.0	280
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	180

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	87.3%
d14-Dibenzo(a,h)anthracen	65.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-03-E
DILUTION

Lab Sample ID: JU43P
LIMS ID: 06-15860
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/14/06 09:51
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 5.00
Percent Moisture: 22.8%
pH: 6.0

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	25	89
91-57-6	2-Methylnaphthalene	25	47
90-12-0	1-Methylnaphthalene	25	30
208-96-8	Acenaphthylene	25	27
83-32-9	Acenaphthene	25	89
86-73-7	Fluorene	25	50
85-01-8	Phenanthrene	25	520
120-12-7	Anthracene	25	94
206-44-0	Fluoranthene	25	810
129-00-0	Pyrene	25	940
56-55-3	Benzo(a)anthracene	25	310
218-01-9	Chrysene	25	460
205-99-2	Benzo(b)fluoranthene	25	300
207-08-9	Benzo(k)fluoranthene	25	300
50-32-8	Benzo(a)pyrene	25	400
193-39-5	Indeno(1,2,3-cd)pyrene	25	240
53-70-3	Dibenz(a,h)anthracene	25	67
191-24-2	Benzo(g,h,i)perylene	25	330
198-55-0	Perylene	25	190
92-52-4	Biphenyl	25	< 25 U
581-42-0	2,6-Dimethylnaphthalene	25	67
832-69-9	1-Methylphenanthrene	69	< 69 Y
192-97-2	Benzo(e)pyrene	25	250
2245-38-7	2,3,5-Trimethylnaphthalene	25	170

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	80.0%
d14-Dibenzo(a,h)anthracen	90.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-S3-03-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43Q
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 21:41
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 19.5%
pH: 5.7

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	5.0	24
91-57-6	2-Methylnaphthalene	5.0	15
90-12-0	1-Methylnaphthalene	5.0	6.9
208-96-8	Acenaphthylene	5.0	9.4
83-32-9	Acenaphthene	5.0	31
86-73-7	Fluorene	5.0	19
85-01-8	Phenanthrene	5.0	160
120-12-7	Anthracene	5.0	34
206-44-0	Fluoranthene	5.0	260
129-00-0	Pyrene	5.0	260
56-55-3	Benzo(a)anthracene	5.0	100
218-01-9	Chrysene	5.0	140
205-99-2	Benzo(b)fluoranthene	5.0	100
207-08-9	Benzo(k)fluoranthene	5.0	100
50-32-8	Benzo(a)pyrene	5.0	120
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	57
53-70-3	Dibenz(a,h)anthracene	5.0	18
191-24-2	Benzo(g,h,i)perylene	5.0	58
198-55-0	Perylene	5.0	67
92-52-4	Biphenyl	5.0	< 5.0 U
581-42-0	2,6-Dimethylnaphthalene	5.0	16
832-69-9	1-Methylphenanthrene	28	< 28 Y
192-97-2	Benzo(e)pyrene	5.0	78
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	31

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	81.0%
d14-Dibenzo(a,h)anthracen	68.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS **Sample ID: T4-S3-03-G**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43R
LIMS ID: 06-15862
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 22:06
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 29.3%
pH: 5.8

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.8**	**26**
91-57-6	**2-Methylnaphthalene**	**4.8**	**23**
90-12-0	**1-Methylnaphthalene**	**4.8**	**12**
208-96-8	**Acenaphthylene**	**4.8**	**12**
83-32-9	**Acenaphthene**	**4.8**	**44**
86-73-7	**Fluorene**	**4.8**	**25**
85-01-8	**Phenanthrene**	**4.8**	**270**
120-12-7	**Anthracene**	**4.8**	**46**
206-44-0	**Fluoranthene**	**4.8**	**380**
129-00-0	**Pyrene**	**4.8**	**400**
56-55-3	**Benzo(a)anthracene**	**4.8**	**120**
218-01-9	**Chrysene**	**4.8**	**170**
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**90**
207-08-9	**Benzo(k)fluoranthene**	**4.8**	**110**
50-32-8	**Benzo(a)pyrene**	**4.8**	**120**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**50**
53-70-3	**Dibenz(a,h)anthracene**	**4.8**	**11**
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**58**
198-55-0	**Perylene**	**4.9**	**90**
92-52-4	Biphenyl	4.9	< 4.9 U
581-42-0	**2,6-Dimethylnaphthalene**	**4.8**	**30**
832-69-9	1-Methylphenanthrene	52	< 52 Y
192-97-2	**Benzo(e)pyrene**	**4.8**	**78**
2245-38-7	**2,3,5-Trimethylnaphthalene**	**4.8**	**45**

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	76.3%
d14-Dibenzo(a,h)anthracen	62.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-02-K
MATRIX SPIKE

Lab Sample ID: JU43J
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/24/06

Date Extracted MS/MSD: 09/06/06

Date Analyzed MS: 09/12/06 17:35
MSD: 09/12/06 17:59
Instrument/Analyst MS: NT3/VTS
MSD: NT3/VTS

Sample Amount MS: 10.1 g-dry-wt
MSD: 10.0 g-dry-wt
Final Extract Volume MS: 0.50 mL
MSD: 0.50 mL
Dilution Factor MS: 1.00
MSD: 1.00

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenanthrene	65.5	200	149	90.3%	252	150	124%	23.0%
Chrysene	55.5	207	149	102%	222	150	111%	7.0%
Benzo(k)fluoranthene	38.0	212	149	117%	222	150	123%	4.6%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-02-K
MATRIX SPIKE

Lab Sample ID: JU43J
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 17:35
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.1 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 25.8%
pH: 6.2

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**5.0**	**8.9**
91-57-6	**2-Methylnaphthalene**	**5.0**	**4.5 J**
90-12-0	**1-Methylnaphthalene**	**5.0**	**2.5 J**
208-96-8	**Acenaphthylene**	**5.0**	**3.0 J**
83-32-9	**Acenaphthene**	**5.0**	**15**
86-73-7	**Fluorene**	**5.0**	**4.0 J**
85-01-8	Phenanthrene	5.0	---
120-12-7	**Anthracene**	**5.0**	**11**
206-44-0	**Fluoranthene**	**5.0**	**75**
129-00-0	**Pyrene**	**5.0**	**97**
56-55-3	**Benzo(a)anthracene**	**5.0**	**36**
218-01-9	Chrysene	5.0	---
205-99-2	Benzo(b)fluoranthene	5.0	< 5.0 U
207-08-9	Benzo(k)fluoranthene	5.0	---
50-32-8	**Benzo(a)pyrene**	**5.0**	**48**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**5.0**	**25**
53-70-3	**Dibenz(a,h)anthracene**	**5.0**	**5.4**
191-24-2	**Benzo(g,h,i)perylene**	**5.0**	**33**
198-55-0	**Perylene**	**5.0**	**96**
92-52-4	Biphenyl	5.0	< 5.0 U
581-42-0	**2,6-Dimethylnaphthalene**	**5.0**	**5.4**
832-69-9	1-Methylphenanthrene	5.0	< 5.0 U
192-97-2	**Benzo(e)pyrene**	**5.0**	**32**
2245-38-7	**2,3,5-Trimethylnaphthalene**	**5.0**	**15**

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	94.3%
d14-Dibenzo(a,h)anthracen	86.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-02-K
MATRIX SPIKE DUPLICATE

Lab Sample ID: JU43J
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 17:59
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 25.8%
pH: 6.2

CAS Number	Analyte	RL	Result	
91-20-3	**Naphthalene**	**5.0**	**12**	
91-57-6	**2-Methylnaphthalene**	**5.0**	**6.0**	
90-12-0	**1-Methylnaphthalene**	**5.0**	**6.5**	
208-96-8	**Acenaphthylene**	**5.0**	**4.0**	**J**
83-32-9	**Acenaphthene**	**5.0**	**23**	
86-73-7	**Fluorene**	**5.0**	**6.0**	
85-01-8	Phenanthrene	5.0	---	
120-12-7	**Anthracene**	**5.0**	**5.5**	
206-44-0	**Fluoranthene**	**5.0**	**170**	
129-00-0	**Pyrene**	**5.0**	**190**	
56-55-3	**Benzo(a)anthracene**	**5.0**	**46**	
218-01-9	Chrysene	5.0	---	
205-99-2	Benzo(b)fluoranthene	5.0	< 5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	---	
50-32-8	**Benzo(a)pyrene**	**5.0**	**47**	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**5.0**	**21**	
53-70-3	**Dibenz(a,h)anthracene**	**5.0**	**4.5**	**J**
191-24-2	**Benzo(g,h,i)perylene**	**5.0**	**25**	
198-55-0	**Perylene**	**5.0**	**82**	
92-52-4	Biphenyl	5.0	< 5.0	U
581-42-0	**2,6-Dimethylnaphthalene**	**5.0**	**12**	
832-69-9	**1-Methylphenanthrene**	**5.0**	**14**	**M**
192-97-2	**Benzo(e)pyrene**	**5.0**	**30**	
2245-38-7	**2,3,5-Trimethylnaphthalene**	**5.0**	**33**	

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	91.7%
d14-Dibenzo(a,h)anthracen	89.7%

ANALYTICAL RESOURCES INCORPORATED

SIM SW8270 SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	MNP	DBA	TOT OUT
T4-B414-01-D	82.7%	89.3%	0
T4-B414-01-F	89.3%	107%*	1
T4-B414-01-F DL	88.7%	84.2%	0
T4-B414-01-E	93.3%	88.8%	0
T4-B414-01-E DL	88.0%	105%	0
T4-B414-02-D	77.3%	64.3%	0
T4-B414-02-E	82.3%	80.7%	0
T4-B414-02-F	88.7%	69.7%	0
T4-B414-02-F DL	82.3%	62.0%	0
T4-B414-04-D	88.3%	81.3%	0
T4-B414-04-E	92.0%	78.7%	0
T4-B414-04-E DL	91.7%	91.7%	0
T4-B414-04-F	86.0%	68.0%	0
T4-B414-04-F DL	88.0%	81.0%	0
MB-090606	78.0%	88.0%	0
LCS-090606	73.0%	99.0%	0
T4-S3-02-K	93.0%	90.0%	0
T4-S3-02-K MS	94.3%	86.3%	0
T4-S3-02-K MSD	91.7%	89.7%	0
T4-S3-08-D	86.0%	85.7%	0
T4-S3-08-D MS	85.3%	82.0%	0
T4-S3-08-D MSD	80.3%	79.3%	0
T4-S3-05-K	87.3%	85.0%	0
T4-S3-07-F	81.7%	79.7%	0
T4-S3-04-E	83.7%	84.3%	0
T4-S3-04-F	85.0%	80.3%	0
T4-S3-03-E	87.3%	65.3%	0
T4-S3-03-E DL	80.0%	90.0%	0
T4-S3-03-F	81.0%	68.0%	0
T4-S3-03-G	76.3%	62.3%	0

	LCS/MB LIMITS	QC LIMITS
(MNP) = d10-2-Methylnaphthalene	(38-94)	(32-97)
(DBA) = d14-Dibenzo(a,h)anthracene	(27-116)	(21-105)

Prep Method: SW3550B
Log Number Range: 06-15845 to 06-15862

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-08-D
MATRIX SPIKE

Lab Sample ID: JU43K
LIMS ID: 06-15855
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted MS/MSD: 09/06/06

Date Analyzed MS: 09/12/06 18:49
MSD: 09/12/06 19:13
Instrument/Analyst MS: FIDTCD/VTS
MSD: FID3A/VTS

Sample Amount MS: 10.2 g-dry-wt
MSD: 10.2 g-dry-wt
Final Extract Volume MS: 0.50 mL
MSD: 0.50 mL
Dilution Factor MS: 1.00
MSD: 1.00

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenanthrene	109	246	147	93.2%	320	147	144%	26.1%
Chrysene	186	331	147	98.6%	552 E	147	249%	50.1%
Benzo(k)fluoranthene	187	330	147	97.3%	497 E	147	211%	40.4%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-08-D
MATRIX SPIKE

Lab Sample ID: JU43K
LIMS ID: 06-15855
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 18:49
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 24.7%
pH: 6.3

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.9**	**7.4**
91-57-6	**2-Methylnaphthalene**	**4.9**	**3.9 J**
90-12-0	1-Methylnaphthalene	4.9	< 4.9 U
208-96-8	Acenaphthylene	4.9	< 4.9 U
83-32-9	**Acenaphthene**	**4.9**	**32**
86-73-7	**Fluorene**	**4.9**	**12**
85-01-8	Phenanthrene	4.9	---
120-12-7	**Anthracene**	**4.9**	**30**
206-44-0	**Fluoranthene**	**4.9**	**260**
129-00-0	**Pyrene**	**4.9**	**220**
56-55-3	**Benzo(a)anthracene**	**4.9**	**160**
218-01-9	Chrysene	4.9	---
205-99-2	**Benzo(b)fluoranthene**	**4.9**	**200**
207-08-9	Benzo(k)fluoranthene	4.9	---
50-32-8	**Benzo(a)pyrene**	**4.9**	**230**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.9**	**110**
53-70-3	**Dibenz(a,h)anthracene**	**4.9**	**40**
191-24-2	**Benzo(g,h,i)perylene**	**4.9**	**120**
198-55-0	**Perylene**	**4.9**	**76**
92-52-4	Biphenyl	4.9	< 4.9 U
581-42-0	2,6-Dimethylnaphthalene	4.9	< 4.9 U
832-69-9	**1-Methylphenanthrene**	**4.9**	**6.9 M**
192-97-2	**Benzo(e)pyrene**	**4.9**	**140**
2245-38-7	2,3,5-Trimethylnaphthalene	4.9	< 4.9 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	85.3%
d14-Dibenzo(a,h)anthracen	82.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-08-D
MATRIX SPIKE DUPLICATE

Lab Sample ID: JU43K
LIMS ID: 06-15855
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 19:13
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.2 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 24.7%
pH: 6.3

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.9**	**7.4**
91-57-6	**2-Methylnaphthalene**	**4.9**	**5.4**
90-12-0	**1-Methylnaphthalene**	**4.9**	**3.4 J**
208-96-8	Acenaphthylene	4.9	< 4.9 U
83-32-9	**Acenaphthene**	**4.9**	**36**
86-73-7	**Fluorene**	**4.9**	**16**
85-01-8	Phenanthrene	4.9	---
120-12-7	**Anthracene**	**4.9**	**38**
206-44-0	**Fluoranthene**	**4.9**	**560 E**
129-00-0	**Pyrene**	**4.9**	**480**
56-55-3	**Benzo(a)anthracene**	**4.9**	**330**
218-01-9	Chrysene	4.9	---
205-99-2	**Benzo(b)fluoranthene**	**4.9**	**350**
207-08-9	Benzo(k)fluoranthene	4.9	---
50-32-8	**Benzo(a)pyrene**	**4.9**	**400**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.9**	**190**
53-70-3	**Dibenz(a,h)anthracene**	**4.9**	**64**
191-24-2	**Benzo(g,h,i)perylene**	**4.9**	**180**
198-55-0	**Perylene**	**4.9**	**110**
92-52-4	Biphenyl	4.9	< 4.9 U
581-42-0	2,6-Dimethylnaphthalene	4.9	< 4.9 U
832-69-9	**1-Methylphenanthrene**	**4.9**	**27 M**
192-97-2	**Benzo(e)pyrene**	**4.9**	**250**
2245-38-7	2,3,5-Trimethylnaphthalene	4.9	< 4.9 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	80.3%
d14-Dibenzo(a,h)anthracen	79.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: LCS-090606
LAB CONTROL SAMPLE

Lab Sample ID: LCS-090606
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 09/06/06
Date Analyzed LCS: 09/12/06 12:28
Instrument/Analyst LCS: FINN3/VTS

Sample Amount LCS: 10.0 g-dry-wt
Final Extract Volume LCS: 0.50 mL
Dilution Factor LCS: 1.00

Analyte	LCS	Spike Added	Recovery
Naphthalene	106	150	70.7%
1-Methylnaphthalene	105	150	70.0%
Acenaphthylene	100	150	66.7%
Acenaphthene	110	150	73.3%
Fluorene	118	150	78.7%
Phenanthrene	126	150	84.0%
Anthracene	114	150	76.0%
Fluoranthene	136	150	90.7%
Pyrene	128	150	85.3%
Benzo(a)anthracene	128	150	85.3%
Chrysene	142	150	94.7%
Benzo(b)fluoranthene	148	150	98.7%
Benzo(k)fluoranthene	135	150	90.0%
Benzo(a)pyrene	122	150	81.3%
Indeno(1,2,3-cd)pyrene	139	150	92.7%
Dibenz(a,h)anthracene	143	150	95.3%
Benzo(g,h,i)perylene	142	150	94.7%

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	73.0%
d14-Dibenzo(a,h)anthracen	99.0%

4B
SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JU43MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Lab File ID: JU43MB Date Extracted: 09/06/06

Instrument ID: NT1 Date Analyzed: 09/12/06

Matrix: SOLID Time Analyzed: 1203

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JU43LCSS1	JU43LCSS1	JU43LCS	09/12/06
02	T4-B414-01-D	JU43A	JU43A	09/12/06
03	T4-B414-01-F	JU43B	JU43B	09/12/06
04	T4-B414-01-E	JU43C	JU43C	09/12/06
05	T4-B414-02-D	JU43D	JU43D	09/12/06
06	T4-B414-02-E	JU43E	JU43E	09/12/06
07	T4-B414-02-F	JU43F	JU43F	09/12/06
08	T4-B414-04-D	JU43G	JU43G	09/12/06
09	T4-B414-04-E	JU43H	JU43H	09/12/06
10	T4-B414-04-F	JU43I	JU43I	09/12/06
11	T4-S3-02-K	JU43J	JU43J	09/12/06
12	T4-S3-02-K MS	JU43JMS	JU43JMS	09/12/06
13	T4-S3-02-K MSD	JU43JMSD	JU43JMSD	09/12/06
14	T4-S3-08-D	JU43K	JU43K	09/12/06
15	T4-S3-08-D MS	JU43KMS	JU43KMS	09/12/06
16	T4-S3-08-D MSD	JU43KMSD	JU43KMSD	09/12/06
17	T4-S3-05-K	JU43L	JU43L	09/12/06
18	T4-S3-07-F	JU43M	JU43M	09/12/06
19	T4-S3-04-E	JU43N	JU43N	09/12/06
20	T4-S3-04-F	JU43O	JU43O	09/12/06
21	T4-S3-03-E	JU43P	JU43P	09/12/06
22	T4-S3-03-F	JU43Q	JU43Q	09/12/06
23	T4-S3-03-G	JU43R	JU43R	09/12/06
24	T4-B414-01-F	JU43BDL	JU43BDL	09/13/06
25	T4-B414-01-E	JU43CDL	JU43CDL	09/13/06
26	T4-B414-02-F	JU43FDL	JU43FDL	09/13/06
27	T4-B414-04-E	JU43H	JU43HDL	09/14/06
28	T4-B414-04-F	JU43I	JU43IDL	09/14/06
29	T4-S3-03-E	JU43P	JU43PDL	09/14/06
30				

COMMENTS:

FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: MB-090606
METHOD BLANK

Lab Sample ID: MB-090606
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 09/06/06
Date Analyzed: 09/12/06 12:03
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	5.0	< 5.0 U
90-12-0	1-Methylnaphthalene	5.0	< 5.0 U
208-96-8	Acenaphthylene	5.0	< 5.0 U
83-32-9	Acenaphthene	5.0	< 5.0 U
86-73-7	Fluorene	5.0	< 5.0 U
85-01-8	Phenanthrene	5.0	< 5.0 U
120-12-7	Anthracene	5.0	< 5.0 U
206-44-0	Fluoranthene	5.0	< 5.0 U
129-00-0	Pyrene	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	5.0	< 5.0 U
218-01-9	Chrysene	5.0	< 5.0 U
205-99-2	Benzo(b)fluoranthene	5.0	< 5.0 U
207-08-9	Benzo(k)fluoranthene	5.0	< 5.0 U
50-32-8	Benzo(a)pyrene	5.0	< 5.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	< 5.0 U
53-70-3	Dibenz(a,h)anthracene	5.0	< 5.0 U
191-24-2	Benzo(g,h,i)perylene	5.0	< 5.0 U
198-55-0	Perylene	5.0	< 5.0 U
92-52-4	Biphenyl	5.0	< 5.0 U
581-42-0	2,6-Dimethylnaphthalene	5.0	< 5.0 U
832-69-9	1-Methylphenanthrene	5.0	< 5.0 U
192-97-2	Benzo(e)pyrene	5.0	< 5.0 U
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	< 5.0 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	78.0%
d14-Dibenzo(a,h)anthracen	88.0%

NWTPH-Dx

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID
Page 1 of 1
Matrix: Sediment

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Received: 07/24/06

Data Release Authorized:
Reported: 09/08/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
MB-090606	Method Blank	09/06/06	09/07/06	1.0	Diesel	< 5.0 U
06-15854	HC ID: ---		FID3A		Motor Oil	< 10 U
					o-Terphenyl	64.4%
JU43J	T4-S3-02-K	09/06/06	09/07/06	1.0	**Diesel**	**7.8**
06-15854	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**14**
					o-Terphenyl	66.0%

Reported in mg/kg (ppm)

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicates results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

TPHD SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	OTER	TOT OUT
090606MBS	64.4%	0
090606LCS	72.9%	0
T4-S3-02-K	66.0%	0
T4-S3-02-K	MS 70.4%	0
T4-S3-02-K	MSD68.9%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(56-108)	(38-118)

Prep Method: SW3550B
Log Number Range: 06-15854 to 06-15854

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID
Page 1 of 1

Sample ID: T4-S3-02-K
MS/MSD

Lab Sample ID: JU43J
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/08/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/24/06

Date Extracted MS/MSD: 09/06/06

Date Analyzed MS: 09/07/06 13:03
MSD: 09/07/06 13:18
Instrument/Analyst MS: FID3A/JGR
MSD: FID3A/JGR

Sample Amount MS: 7.43 g-dry-wt
MSD: 7.42 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 1.00
MSD: 1.00
Percent Moisture: 25.8%

Range	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Diesel	7.8	149	202	69.9%	137	202	64.0%	8.4%

TPHD Surrogate Recovery

	MS	MSD
o-Terphenyl	70.4%	68.9%

Results reported in mg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID
Page 1 of 1

Sample ID: LCS-090606
LAB CONTROL

Lab Sample ID: LCS-090606
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/08/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 09/06/06
Date Analyzed: 09/07/06 12:31
Instrument/Analyst: FID3A/JGR

Sample Amount: 10.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	95.0	150	63.3%

TPHD Surrogate Recovery

o-Terphenyl	72.9%

Results reported in mg/kg

4

TPH METHOD BLANK SUMMARY

BLANK NO.: JU43MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ARNCHOR ENVIRONMENTAL

SDG No.: JU43 Project No.: T4 EARLY ACTION

Date Extracted: 09/06/06 Matrix: SOLID

Date Analyzed : 09/07/06 Instrument ID : FID3A

Time Analyzed : 1216

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	JU43LCSS1	JU43LCSS1	09/07/06
02	T4-S3-02-K	JU43J	09/07/06
03	T4-S3-02-K M	JU43JMS	09/07/06
04	T4-S3-02-K M	JU43JMSD	09/07/06

FORM IV TPH

TOTAL METALS

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-B414-01-D
SAMPLE

Lab Sample ID: JU43A
LIMS ID: 06-15845
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Percent Total Solids: 53.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/06/06	6010B	09/12/06	**7439-92-1**	**Lead**	4	**41**	
3050B	09/06/06	6010B	09/12/06	**7440-66-6**	**Zinc**	1	**175**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-B414-01-D
DUPLICATE

Lab Sample ID: JU43A
LIMS ID: 06-15845
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Lead	6010B	41	44	7.1%	+/- 20%	
Zinc	6010B	175	213	19.6%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met
L-RPD Invalid, Limit = Detection Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-B414-01-D
MATRIX SPIKE

Lab Sample ID: JU43A
LIMS ID: 06-15845
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Lead	6010B	41	377	363	92.6%	
Zinc	6010B	175	263	90.8	96.9%	

Reported in mg/kg-dry

N-Control Limit Not Met
H-% Recovery Not Applicable, Sample Concentration Too High
NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-B414-01-F
SAMPLE

Lab Sample ID: JU43B
LIMS ID: 06-15846
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Percent Total Solids: 58.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/06/06	6010B	09/12/06	**7439-92-1**	**Lead**	3	**171**	
3050B	09/06/06	6010B	09/12/06	**7440-66-6**	**Zinc**	1	**488**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-B414-01-E
SAMPLE

Lab Sample ID: JU43C
LIMS ID: 06-15847
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Percent Total Solids: 57.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/06/06	6010B	09/12/06	**7439-92-1**	**Lead**	3	**165**	
3050B	09/06/06	6010B	09/12/06	**7440-66-6**	**Zinc**	1	**579**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-B414-02-D
SAMPLE

Lab Sample ID: JU43D
LIMS ID: 06-15848
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Percent Total Solids: 53.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/06/06	6010B	09/12/06	**7439-92-1**	**Lead**	4	35	
3050B	09/06/06	6010B	09/12/06	**7440-66-6**	**Zinc**	1	152	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-B414-02-E
SAMPLE

Lab Sample ID: JU43E
LIMS ID: 06-15849
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Percent Total Solids: 56.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/06/06	6010B	09/12/06	**7439-92-1**	**Lead**	3	**32**	
3050B	09/06/06	6010B	09/12/06	**7440-66-6**	**Zinc**	1	**184**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-B414-02-F
SAMPLE

Lab Sample ID: JU43F
LIMS ID: 06-15850
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Percent Total Solids: 56.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/06/06	6010B	09/12/06	**7439-92-1**	**Lead**	3	**57**	
3050B	09/06/06	6010B	09/12/06	**7440-66-6**	**Zinc**	1	**342**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-S3-02-K
SAMPLE

Lab Sample ID: JU43J
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/24/06

Percent Total Solids: 73.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/06/06	6010B	09/12/06	**7439-92-1**	**Lead**	3	**19**	
3050B	09/06/06	6010B	09/12/06	**7440-66-6**	**Zinc**	0.8	**65.8**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-S3-05-K
SAMPLE

Lab Sample ID: JU43L
LIMS ID: 06-15856
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Percent Total Solids: 73.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/06/06	6010B	09/12/06	**7439-92-1**	**Lead**	3	**4**	
3050B	09/06/06	6010B	09/12/06	**7440-66-6**	**Zinc**	0.8	**64.9**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-04-E
SAMPLE

Lab Sample ID: JU43N
LIMS ID: 06-15858
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Percent Total Solids: 71.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/06/06	6010B	09/12/06	**7439-92-1**	**Lead**	3	**17**	
3050B	09/06/06	6010B	09/12/06	**7440-66-6**	**Zinc**	0.8	**60.1**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-S3-04-F
SAMPLE

Lab Sample ID: JU43O
LIMS ID: 06-15859
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Percent Total Solids: 76.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/06/06	6010B	09/12/06	**7439-92-1**	**Lead**	2	3	
3050B	09/06/06	6010B	09/12/06	**7440-66-6**	**Zinc**	0.7	53.2	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: JU43LCS
LIMS ID: 06-15846
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Lead	6010B	206	200	103%	
Zinc	6010B	51.2	50.0	102%	

Reported in mg/kg-dry

N-Control limit not met
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: METHOD BLANK**

Lab Sample ID: JU43MB
LIMS ID: 06-15846
Matrix: Sediment
Data Release Authorized:
Reported: 09/13/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	09/06/06	6010B	09/11/06	7439-92-1	Lead	2	2	U
3050B	09/06/06	6010B	09/11/06	7440-66-6	Zinc	0.6	0.6	U

U-Analyte undetected at given RL
RL-Reporting Limit

GENERAL CHEMISTRY

SAMPLE RESULTS-CONVENTIONALS
JU43-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 09/01/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/24/06

Client ID: T4-S3-02-K
ARI ID: 06-15854 JU43J

Analyte	Date	Method	Units	RL	Sample
Total Solids	08/29/06 082906#1	EPA 160.3	Percent	0.01	73.20
Total Organic Carbon	08/30/06 083006#1	Plumb,1981	Percent	0.020	0.980

RL Analytical reporting limit
U Undetected at reported detection limit

METHOD BLANK RESULTS-CONVENTIONALS
JU43-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 09/01/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	08/29/06	Percent	< 0.01 U
Total Organic Carbon	08/30/06	Percent	< 0.020 U

LAB CONTROL RESULTS-CONVENTIONALS
JU43-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 09/01/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	LCS	Spike Added	Recovery
Total Organic Carbon	08/30/06	Percent	0.514	0.500	102.8%

STANDARD REFERENCE RESULTS-CONVENTIONALS
JU43-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 09/01/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Organic Carbon NIST #8704	08/30/06	Percent	2.93	3.35	87.5%

REPLICATE RESULTS-CONVENTIONALS
JU43-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 09/01/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/24/06

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: JU43J Client ID: T4-S3-02-K					
Total Solids	08/29/06	Percent	73.20	73.30 73.40	0.1%

Laboratory Data Package

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JU43

prepared
by

Analytical Resources, Inc.

TOTAL SOLIDS

Extractions Total Solids-extts
Data By: Ella K. Sandquist
Created: 8/31/06

Worklist: 6506
Analyst: EKS
Comments:

	ARI ID / CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
1.	JU43A 06-15845 T4-B414-01-D	1.12	10.48	6.26	54.9	6.8
2.	JU43B 06-15846 T4-B414-01-F	1.14	11.14	6.92	57.8	6.4
3.	JU43C 06-15847 T4-B414-01-E	1.14	10.24	6.26	56.3	6.7
4.	JU43D 06-15848 T4-B414-02-D	1.12	12.42	7.30	54.7	6.7
5.	JU43E 06-15849 T4-B414-02-E	1.12	14.72	8.74	56.0	6.6
6.	JU43F 06-15850 T4-B414-02-F	1.14	13.66	8.34	57.5	6.2
7.	JU43G 06-15851 T4-B414-04-D	1.14	12.42	6.72	49.5	6.7
8.	JU43H 06-15852 T4-B414-04-E	1.14	13.22	7.72	54.5	6.7
9.	JU43I 06-15853 T4-B414-04-F	1.14	11.34	6.84	55.9	6.8
10.	JU43J 06-15854 T4-S3-02-K	1.14	15.65	11.90	74.2	6.2
11.	JU43K 06-15855 T4-S3-08-D	1.14	13.12	10.16	75.3	6.3
12.	JU43L 06-15856 T4-S3-05-K	1.14	13.78	10.24	72.0	6.3
13.	JU43M 06-15857 T4-S3-07-F	1.12	11.06	8.40	73.2	6.7
14.	JU43N 06-15858 T4-S3-04-E	1.12	11.74	9.20	76.1	6.3
15.	JU43O 06-15859 T4-S3-04-F	1.14	15.52	11.98	75.4	6.7

Extractions Total Solids-extts
Data By: Ella K. Sandquist
Created: 8/31/06

Worklist: 6506
Analyst: EKS
Comments:

	ARI ID CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
16.	JU43P 06-15860 T4-S3-03-E	1.12	9.38	7.50	77.2	6.0
17.	JU43Q 06-15861 T4-S3-03-F	1.14	13.32	10.94	80.5	5.7
18.	JU43R 06-15862 T4-S3-03-G	1.12	15.58	11.34	70.7	5.8

Solids Data Entry Report Checked by: BW Date: 9/7/06
Date: 09/07/06 Data Analyst: EJR

Solids Determination performed on 09/06/06 by DM

JOB	SAMPLE	CLIENTID	TAREWEIGHT	SAMPDISH	DRYWEIGHT	SOLIDS
JU43	A	T4-B414-01-D	1.035	10.722	6.182	53.13
JU43	B	T4-B414-01-F	1.049	10.438	6.555	58.64
JU43	C	T4-B414-01-E	1.036	10.136	6.267	57.48
JU43	D	T4-B414-02-D	1.044	10.043	5.861	53.53
JU43	E	T4-B414-02-E	1.003	10.641	6.489	56.92
JU43	F	T4-B414-02-F	1.054	10.729	6.525	56.55
JU43	J	T4-S3-02-K	0.998	10.304	7.827	73.38
JU43	L	T4-S3-05-K	1.044	10.343	7.846	73.15
JU43	N	T4-S3-04-E	1.003	10.361	7.675	71.30
JU43	O	T4-S3-04-F	0.968	10.311	8.142	76.78

Semivolatile Organics
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JU43

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	TPH	TOT OUT
T4-B414-01-D	62.8%	0
T4-B414-01-F	52.8%	0
T4-B414-01-E	50.0%	0
T4-B414-02-D	45.2%	0
T4-B414-02-E	43.6%	0
T4-B414-02-F	47.2%	0
T4-B414-04-D	46.4%	0
T4-B414-04-E	40.4%	0
T4-B414-04-F	41.2%	0
T4-S3-02-K	64.0%	0
T4-S3-08-D	65.6%	0
T4-S3-05-K	56.0%	0
T4-S3-07-F	62.8%	0
T4-S3-04-E	69.6%	0
T4-S3-04-F	63.2%	0
T4-S3-03-E	56.0%	0
MB-090706	64.8%	0
LCS-090706	57.2%	0
T4-S3-03-F	55.2%	0
T4-S3-03-F MS	54.0%	0
T4-S3-03-F MSD	58.8%	0
T4-S3-03-G	46.4%	0

	LCS/MB LIMITS	QC LIMITS
(TPH) = d14-p-Terphenyl	(37-114)	(12-120)

Prep Method: SW3550B
Log Number Range: 06-15845 to 06-15862

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-F**
Page 1 of 1 **MS/MSD**

Lab Sample ID: JU43Q
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted MS/MSD: 09/07/06

Date Analyzed MS: 09/14/06 02:39
MSD: 09/14/06 10:24
Instrument/Analyst MS: NT6/LJR
MSD: NT6/LJR
GPC Cleanup: YES

Sample Amount MS: 50.7 g-dry-wt
MSD: 51.3 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 1.00
MSD: 1.00
Percent Moisture: 19.5%
pH: 5.7

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Di-n-Octyl phthalate	< 19.5	260	493	52.7%	308	488	63.1%	16.9%

Results reported in µg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: LCS-090706**
Page 1 of 1 **LAB CONTROL**

Lab Sample ID: LCS-090706
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 16:33
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 50.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

Analyte	Lab Control	Spike Added	Recovery
Dimethylphthalate	316	500	63.2%
Diethylphthalate	323	500	64.6%
Di-n-Butylphthalate	347	500	69.4%
Butylbenzylphthalate	330	500	66.0%
bis(2-Ethylhexyl)phthalate	336	500	67.2%
Di-n-Octyl phthalate	322	500	64.4%

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	57.2%

Results reported in µg/kg

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JU43MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Lab File ID: JU43MB Date Extracted: 09/07/06

Instrument ID: NT6 Date Analyzed: 09/13/06

Matrix: SOLID Time Analyzed: 1601

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JU43LCSS1	JU43LCSS1	JU43SB	09/13/06
02	T4-B414-01-D	JU43A	JU43A	09/13/06
03	T4-B414-01-F	JU43B	JU43B	09/13/06
04	T4-B414-01-E	JU43C	JU43C	09/13/06
05	T4-B414-02-D	JU43D	JU43D	09/13/06
06	T4-B414-02-E	JU43E	JU43E	09/13/06
07	T4-B414-02-F	JU43F	JU43F	09/13/06
08	T4-B414-04-D	JU43G	JU43G	09/13/06
09	T4-B414-04-E	JU43H	JU43H	09/13/06
10	T4-B414-04-F	JU43I	JU43I	09/13/06
11	T4-S3-02-K	JU43J	JU43J	09/13/06
12	T4-S3-08-D	JU43K	JU43K	09/13/06
13	T4-S3-05-K	JU43L	JU43L	09/13/06
14	T4-S3-07-F	JU43M	JU43M	09/14/06
15	T4-S3-04-E	JU43N	JU43N	09/14/06
16	T4-S3-04-F	JU43O	JU43O	09/14/06
17	T4-S3-03-E	JU43P	JU43P	09/14/06
18	T4-S3-03-F	JU43Q	JU43Q	09/14/06
19	T4-S3-03-F MS	JU43QMS	JU43QMS	09/14/06
20	T4-S3-03-F MSD	JU43QMSD	JU43QMD2	09/14/06
21	T4-S3-03-G	JU43R	JU43R2	09/14/06
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM IV SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 08/10/06 DFTPP Injection Time: 1542

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	54.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	58.4
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	25.0 - 75.0% of mass 198	57.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	21.8
365	Greater than 0.75% of mass 198	2.49
441	Present, but less than mass 443	10.2
442	40.0 - 110.0% of mass 198	68.4
443	15.0 - 24.0% of mass 442	13.0 (19.0)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN 25	ABN 25	0250810	08/10/06	1542
02	ABN 80	ABN 80	0800810	08/10/06	1615
03	ABN 1	ABN 1	0010810	08/10/06	1648
04	ABN 40	ABN 40	0400810	08/10/06	1721
05	ABN 5	ABN 5	0050810	08/10/06	1754
06	ABN 10	ABN 10	0100810	08/10/06	1827
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 09/13/06 DFTPP Injection Time: 1457

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	45.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	52.4
70	Less than 2.0% of mass 69	0.4 (0.7)1
127	25.0 - 75.0% of mass 198	57.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	22.5
365	Greater than 0.75% of mass 198	2.78
441	Present, but less than mass 443	10.5
442	40.0 - 110.0% of mass 198	69.8
443	15.0 - 24.0% of mass 442	13.7 (19.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN CCAL	ABN 25	CC0913	09/13/06	1457
02	JU43MBS1	JU43MBS1	JU43MB	09/13/06	1601
03	JU43LCSS1	JU43LCSS1	JU43SB	09/13/06	1633
04	T4-B414-01-D	JU43A	JU43A	09/13/06	1737
05	T4-B414-01-F	JU43B	JU43B	09/13/06	1809
06	T4-B414-01-E	JU43C	JU43C	09/13/06	1840
07	T4-B414-02-D	JU43D	JU43D	09/13/06	1912
08	T4-B414-02-E	JU43E	JU43E	09/13/06	1944
09	T4-B414-02-F	JU43F	JU43F	09/13/06	2016
10	T4-B414-04-D	JU43G	JU43G	09/13/06	2049
11	T4-B414-04-E	JU43H	JU43H	09/13/06	2121
12	T4-B414-04-F	JU43I	JU43I	09/13/06	2153
13	T4-S3-02-K	JU43J	JU43J	09/13/06	2225
14	T4-S3-08-D	JU43K	JU43K	09/13/06	2257
15	T4-S3-05-K	JU43L	JU43L	09/13/06	2329
16	T4-S3-07-F	JU43M	JU43M	09/14/06	0000
17	T4-S3-04-E	JU43N	JU43N	09/14/06	0032
18	T4-S3-04-F	JU43O	JU43O	09/14/06	0104
19	T4-S3-03-E	JU43P	JU43P	09/14/06	0136
20	T4-S3-03-F	JU43Q	JU43Q	09/14/06	0207
21	T4-S3-03-F MS	JU43QMS	JU43QMS	09/14/06	0239
22					

FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 09/14/06 DFTPP Injection Time: 0925

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	46.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	52.0
70	Less than 2.0% of mass 69	0.5 (0.9)1
127	25.0 - 75.0% of mass 198	57.1
197	Less than 1.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 30.0% of mass 198	21.2
365	Greater than 0.75% of mass 198	2.49
441	Present, but less than mass 443	9.2
442	40.0 - 110.0% of mass 198	66.4
443	15.0 - 24.0% of mass 442	13.1 (19.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN CCAL	ABN 25	CC0914	09/14/06	0925
02	T4-S3-03-F MSD	JU43QMSD	JU43QMD2	09/14/06	1024
03	T4-S3-03-G	JU43R	JU43R2	09/14/06	1056
04					
05					
06					
07					
08					
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11					
12					
13					
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18					
19					
20					
21					
22					

FORM V SV

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0913 Date Analyzed: 09/13/06

Instrument ID: NT6 Time Analyzed: 1457

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	237377		6.36		860372		8.37		494619		11.19	
	UPPER LIMIT	474754		6.86		1720744		8.87		989238		11.69	
	LOWER LIMIT	118688		5.86		430186		7.87		247310		10.69	
	CLIENT SAMP. NO.												
01	JU43MBS1	238353		6.35		869929		8.37		513218		11.18	
02	JU43LCSS1	231552		6.36		840368		8.37		482242		11.19	
03	T4-B414-01-D	243608		6.36		886188		8.37		516828		11.19	
04	T4-B414-01-F	259261		6.36		918796		8.37		531442		11.19	
05	T4-B414-01-E	254327		6.36		917688		8.38		535720		11.20	
06	T4-B414-02-D	244968		6.36		899265		8.38		516664		11.20	
07	T4-B414-02-E	259932		6.36		969438		8.38		575877		11.20	
08	T4-B414-02-F	255466		6.36		912745		8.38		535361		11.20	
09	T4-B414-04-D	263122		6.37		965675		8.38		574208		11.20	
10	T4-B414-04-E	258140		6.36		919321		8.38		531388		11.20	
11	T4-B414-04-F	231522		6.36		846897		8.38		497316		11.20	
12	T4-S3-02-K	261966		6.36		955644		8.38		573164		11.20	
13	T4-S3-08-D	258853		6.36		941476		8.38		551783		11.19	
14	T4-S3-05-K	276826		6.36		1002435		8.38		582260		11.20	
15	T4-S3-07-F	274234		6.36		983346		8.38		583933		11.20	
16	T4-S3-04-E	261225		6.36		947211		8.38		554928		11.19	
17	T4-S3-04-F	270687		6.36		993092		8.37		566579		11.19	
18	T4-S3-03-E	251283		6.36		915892		8.38		524808		11.20	
19	T4-S3-03-F	250743		6.37		908646		8.38		529705		11.20	
20	T4-S3-03-F M	256660		6.36		921016		8.38		530786		11.20	
21													
22													

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0913 Date Analyzed: 09/13/06

Instrument ID: NT6 Time Analyzed: 1457

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	763854		13.52		565991		17.76		631478		19.87	
	UPPER LIMIT	1527708		14.02		1131982		18.26		1262956		20.37	
	LOWER LIMIT	381927		13.02		282996		17.26		315739		19.37	
	CLIENT SAMP. NO.												
01	JU43MBS1	776965		13.51		590269		17.75		604083		19.87	
02	JU43LCSS1	722157		13.51		549525		17.76		528642		19.87	
03	T4-B414-01-D	751303		13.51		586218		17.77		637797		19.89	
04	T4-B414-01-F	768373		13.53		603406		17.78		656510		19.91	
05	T4-B414-01-E	767575		13.53		597332		17.79		646741		19.93	
06	T4-B414-02-D	754212		13.52		585726		17.79		628611		19.92	
07	T4-B414-02-E	852461		13.52		658474		17.78		697023		19.91	
08	T4-B414-02-F	770770		13.54		607363		17.80		640154		19.94	
09	T4-B414-04-D	850884		13.53		650262		17.79		660514		19.92	
10	T4-B414-04-E	790760		13.53		610666		17.80		638473		19.94	
11	T4-B414-04-F	731543		13.53		570132		17.79		602211		19.92	
12	T4-S3-02-K	852857		13.53		669053		17.78		703705		19.90	
13	T4-S3-08-D	819796		13.52		631063		17.78		648319		19.90	
14	T4-S3-05-K	866213		13.52		668097		17.77		683119		19.89	
15	T4-S3-07-F	868573		13.52		676741		17.77		719477		19.89	
16	T4-S3-04-E	828137		13.52		626496		17.77		650104		19.89	
17	T4-S3-04-F	859101		13.52		655419		17.77		605448		19.89	
18	T4-S3-03-E	724256		13.53		582839		17.80		631116		19.93	
19	T4-S3-03-F	773622		13.53		606042		17.78		643427		19.90	
20	T4-S3-03-F M	769209		13.53		602025		17.77		626795		19.90	
21													
22													

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0913 Date Analyzed: 09/13/06

Instrument ID: NT6 Time Analyzed: 1457

		IS7 AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	1274966		19.04									
	UPPER LIMIT	2549932		19.54									
	LOWER LIMIT	637483		18.54									
	CLIENT SAMP. NO.												
01	JU43MBS1	1334879		19.04									
02	JU43LCSS1	1224645		19.04									
03	T4-B414-01-D	1310110		19.05									
04	T4-B414-01-F	1265542		19.07									
05	T4-B414-01-E	1245790		19.08									
06	T4-B414-02-D	1217002		19.07									
07	T4-B414-02-E	1379668		19.07									
08	T4-B414-02-F	1212836		19.09									
09	T4-B414-04-D	1335764		19.07									
10	T4-B414-04-E	1263704		19.08									
11	T4-B414-04-F	1200026		19.07									
12	T4-S3-02-K	1463774		19.06									
13	T4-S3-08-D	1412179		19.06									
14	T4-S3-05-K	1477395		19.05									
15	T4-S3-07-F	1521544		19.05									
16	T4-S3-04-E	1412544		19.05									
17	T4-S3-04-F	1485271		19.05									
18	T4-S3-03-E	1199486		19.07									
19	T4-S3-03-F	1340328		19.06									
20	T4-S3-03-F M	1305256		19.06									
21													
22													

IS7 = Di-n-octylphthalate-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-3

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0914 Date Analyzed: 09/14/06

Instrument ID: NT6 Time Analyzed: 0925

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	208683		6.24		725629		8.26		396823		11.07	
	UPPER LIMIT	417366		6.74		1451258		8.76		793646		11.57	
	LOWER LIMIT	104342		5.74		362814		7.76		198412		10.57	
	CLIENT SAMP. NO.												
01	T4-S3-03-F M	201240		6.24		706565		8.26		392109		11.07	
02	T4-S3-03-G	204919		6.24		703852		8.25		382661		11.07	
03													
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20													
21													
22													

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0914 Date Analyzed: 09/14/06

Instrument ID: NT6 Time Analyzed: 0925

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	548113		13.39		378308		17.62		478845		19.74	
	UPPER LIMIT	1096226		13.89		756616		18.12		957690		20.24	
	LOWER LIMIT	274056		12.89		189154		17.12		239422		19.24	
	CLIENT SAMP. NO.												
01	T4-S3-03-F M	531964		13.39		472854		17.63		552610		19.75	
02	T4-S3-03-G	530958		13.39		489925		17.63		574944		19.76	
03													
04													
05													
06													
07													
08													
09													
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12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0914 Date Analyzed: 09/14/06

Instrument ID: NT6 Time Analyzed: 0925

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	920406	18.92				
	UPPER LIMIT	1840812	19.42				
	LOWER LIMIT	460203	18.42				
	CLIENT SAMP. NO.						
01	T4-S3-03-F M	1081201	18.93				
02	T4-S3-03-G	1114231	18.93				
03							
04							
05							
06							
07							
08							
09							
10							
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18							
19							
20							
21							
22							

IS7 = Di-n-octylphthalate-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

Semivolatile Organics
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JU43

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-01-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43A
LIMS ID: 06-15845
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 17:37
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 18.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 45.1%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	53	< 53 U
84-66-2	Diethylphthalate	53	< 53 U
84-74-2	Di-n-Butylphthalate	53	< 53 U
85-68-7	Butylbenzylphthalate	53	< 53 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**53**	**95**
117-84-0	Di-n-Octyl phthalate	53	< 53 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	62.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43a.d
Lab Smp Id: JU43A Client Smp ID: T4-B414-01-D
Inj Date : 13-SEP-2006 17:37
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43A
Misc Info : 06-15845
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	34.10000	Weight of sample extracted (g)
M	45.10000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.481	4.455	(0.705)	405676	21.5125	1149
$	2 Phenol-d5	99	6.094	6.068	(0.959)	488390	22.3159	1192
	3 Phenol	94	6.110	6.084	(0.961)	23343	0.90930 LJR	48.57
$	5 2-Chlorophenol-d4	132	6.094	6.084	(0.959)	398485	22.4306	1198
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.356	6.357	(1.000)	243608	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.645	6.645	(1.045)	162604	14.9300	797.5
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	7.232	7.222	(1.138)	17625	1.01667	54.31
$	18 Nitrobenzene-d5	82	7.280	7.286	(0.870)	298644	13.6922	731.4
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.263	8.355	(0.987)	98776	7.96189 LDL	425.3(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.370	8.371	(1.000)	886188	20.0000	
	28 Naphthalene	128	8.397	8.403	(1.003)	72063	1.44646	77.26
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	9.513	9.514	(1.137)	18961	0.77475 LDL	41.38
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.176	10.177	(0.910)	506733	15.2250	813.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.185	11.186	(1.000)	516828	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.233	11.240	(1.004)	56443	1.91686	102.4(M)
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.495	11.501	(1.028)	35308	0.90028 LDL	48.09
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	12.040	12.046	(1.076)	55730	1.70446	91.05
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.467	12.474	(1.115)	103537	28.4036	1517
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.515	13.515	(1.000)	751303	20.0000	
	60 Phenanthrene	178	13.547	13.553	(1.002)	374248	8.12855	434.2
	61 Anthracene	178	13.616	13.622	(1.008)	85162	1.89609	101.3
	62 Carbazole	167	13.937	13.937	(1.031)	59155	1.35755	72.52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	14.727	14.717	(1.090)	35654	0.69297	37.02(M)
	64 Fluoranthene	202	15.459	15.449	(1.144)	727844	16.4168	876.9
	65 Pyrene	202	15.796	15.786	(0.889)	713888	14.3095	764.4
$	66 Terphenyl-d14	244	16.175	16.170	(0.910)	474802	15.6753	837.3
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	17.740	17.736	(0.998)	306677	7.91217	422.6
*	69 Chrysene-d12	240	17.767	17.762	(1.000)	586218	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	17.804	17.800	(1.002)	392174	10.0434	536.5
	72 bis(2-Ethylhexyl)phthalate	149	18.125	18.120	(0.951)	60819	1.77831	94.99(M)
*	134 Di-n-octylphthalate-d4	153	19.054	19.044	(1.000)	1310110	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	19.380	19.365	(0.974)	315741	7.95918	425.1(M)
	75 Benzo(k)fluoranthene	252	19.380	19.402	(0.974)	428828	9.35965	500.0(M)
	76 Benzo(a)pyrene	252	19.808	19.792	(0.996)	328858	9.10525	486.4
*	77 Perylene-d12	264	19.893	19.872	(1.000)	637797	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.229	21.213	(1.067)	264405	5.84303	312.1
	79 Dibenzo(a,h)anthracene	278	21.255	21.251	(1.068)	93330	2.48873	132.9(M)
	80 Benzo(g,h,i)perylene	276	21.512	21.502	(1.081)	268576	6.42453	343.2
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43a.d
Lab Smp Id: JU43A
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15845

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-B414-01-D
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	243608	2.62
27 Naphthalene-d8	860372	430186	1720744	886188	3.00
42 Acenaphthene-d10	494619	247310	989238	516828	4.49
59 Phenanthrene-d10	763854	381927	1527708	751303	-1.64
69 Chrysene-d12	565991	282996	1131982	586218	3.57
134 Di-n-octylphthala	1274966	637483	2549932	1310110	2.76
77 Perylene-d12	631478	315739	1262956	637797	1.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	-0.01
27 Naphthalene-d8	8.37	7.87	8.87	8.37	-0.01
42 Acenaphthene-d10	11.19	10.69	11.69	11.19	-0.01
59 Phenanthrene-d10	13.52	13.02	14.02	13.51	-0.01
69 Chrysene-d12	17.76	17.26	18.26	17.77	0.03
134 Di-n-octylphthala	19.04	18.54	19.54	19.05	0.05
77 Perylene-d12	19.87	19.37	20.37	19.89	0.10

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

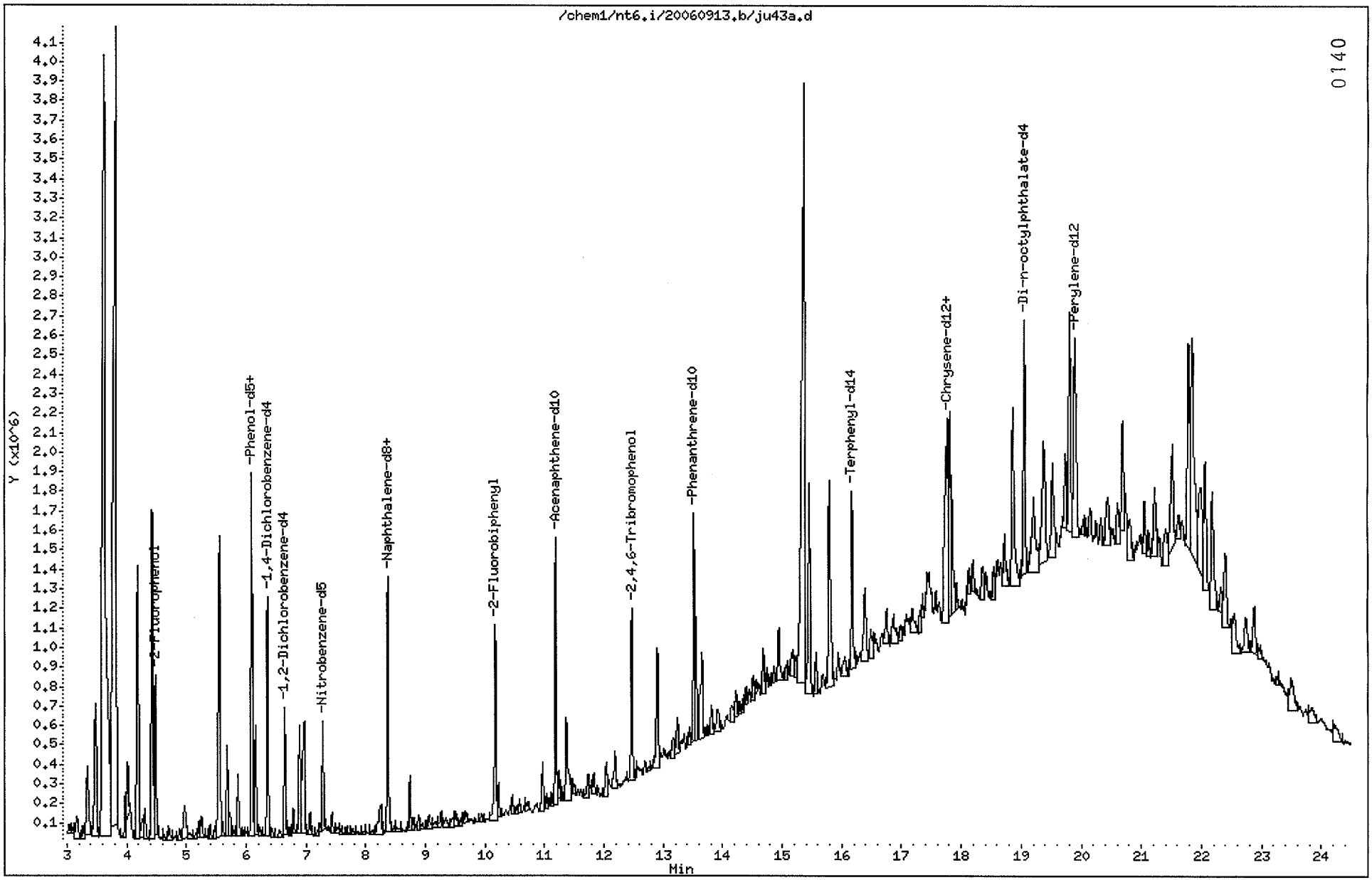
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43A
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15845

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-B414-01-D
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	2003	1149	57.37	22-91
$ 2 Phenol-d5	2003	1192	59.51	26-99
$ 5 2-Chlorophenol-d4	2003	1198	59.81	29-96
$ 10 1,2-Dichlorobenzen	1335	797.5	59.72	24-87
$ 18 Nitrobenzene-d5	1335	731.4	54.77	27-101
$ 36 2-Fluorobiphenyl	1335	813.3	60.90	30-100
$ 55 2,4,6-Tribromophen	2003	1517	75.74	20-114
$ 66 Terphenyl-d14	1335	837.3	62.70	12-120

Data File: /chem1/nt6.i/20060913.b/ju43a.d
Date : 13-SEP-2006 17:37
Client ID: T4-B414-01-D
Sample Info: JU43A
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43a.d

Date : 13-SEP-2006 17:37

Client ID: T4-B414-01-D

Instrument: nt6.i

Sample Info: JU43A

Volume Injected (uL): 1.0

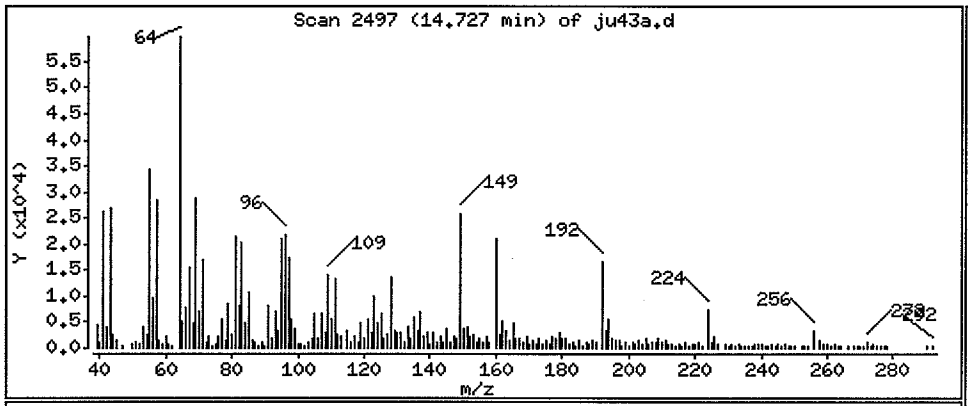
Operator: LJR/vts

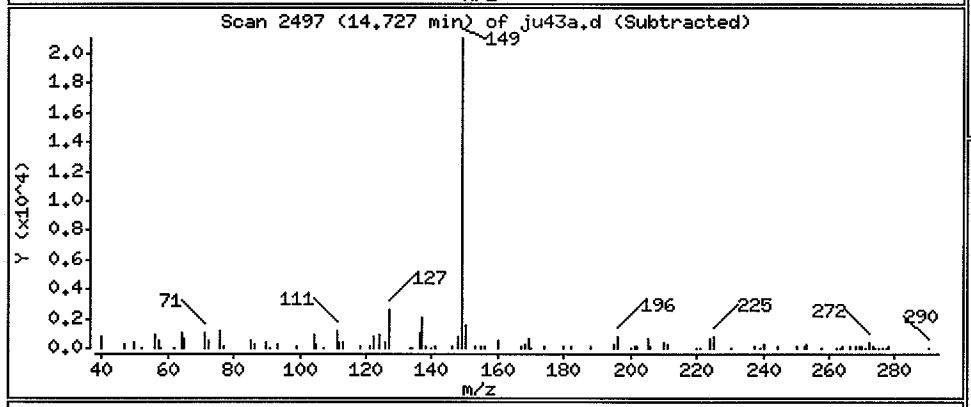
Column phase: ZB-5

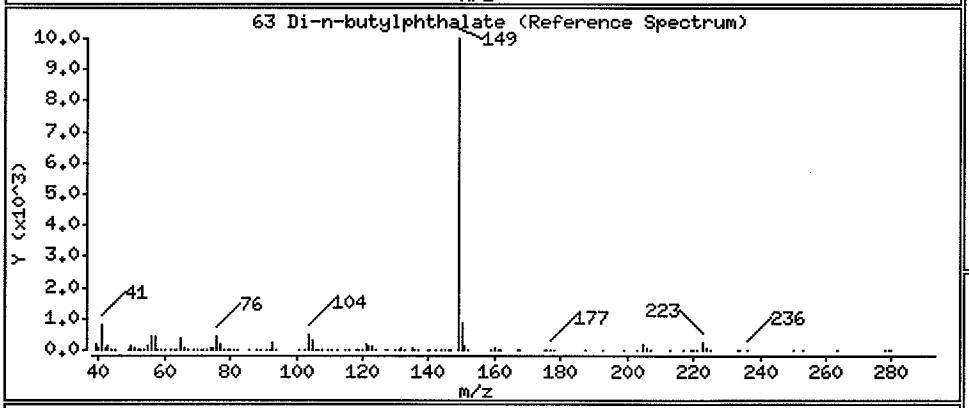
Column diameter: 0.32

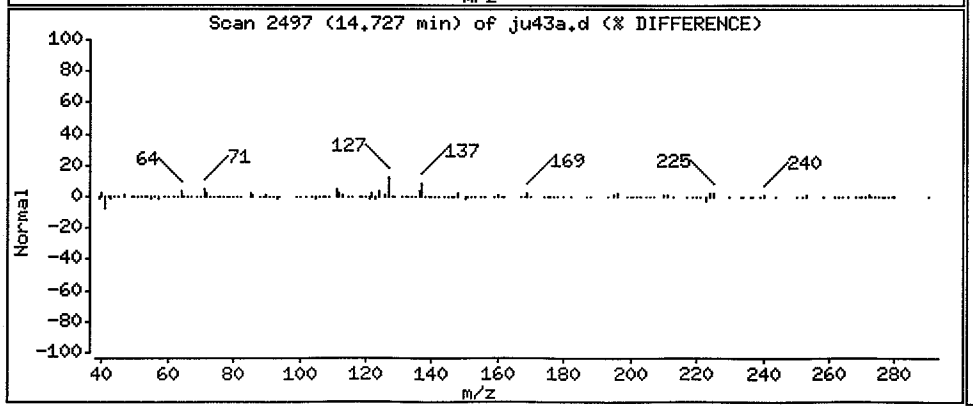
63 Di-n-butylphthalate

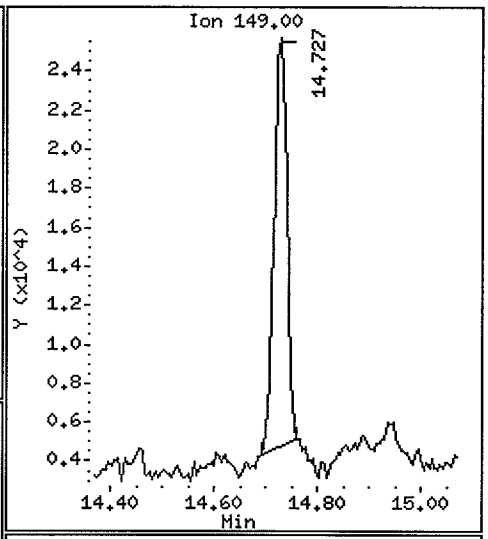
Concentration: 37.02 ug/kg

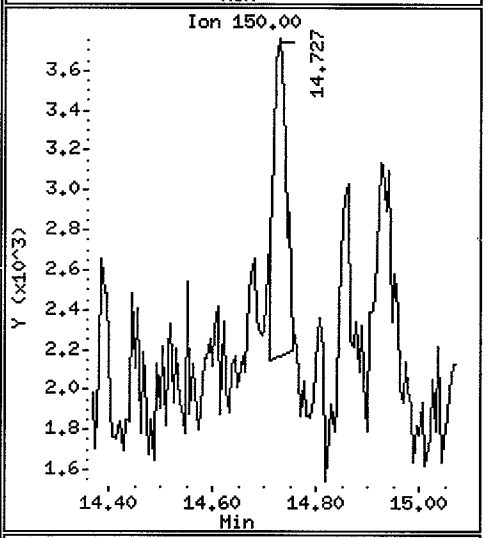


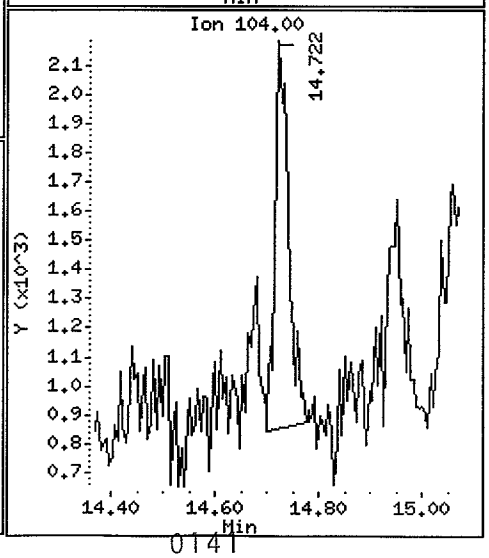












Data File: /chem1/nt6.i/20060913.b/ju43a.d

Date : 13-SEP-2006 17:37

Client ID: T4-B414-01-D

Instrument: nt6.i

Sample Info: JU43A

Volume Injected (uL): 1.0

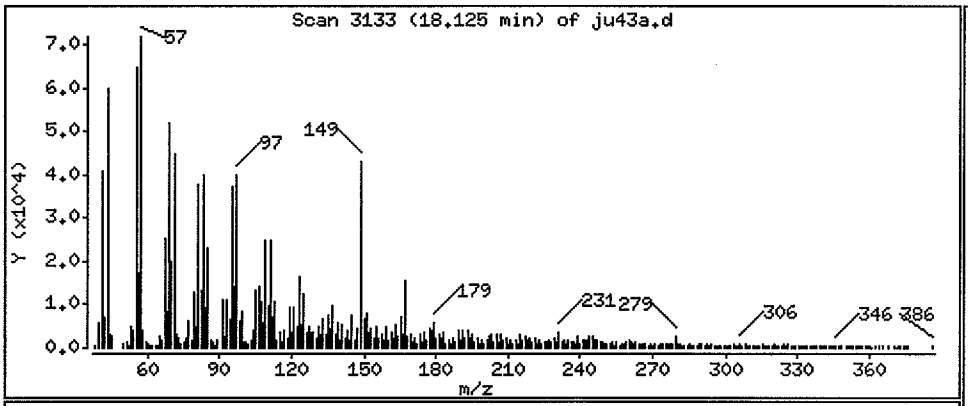
Operator: LJR/vts

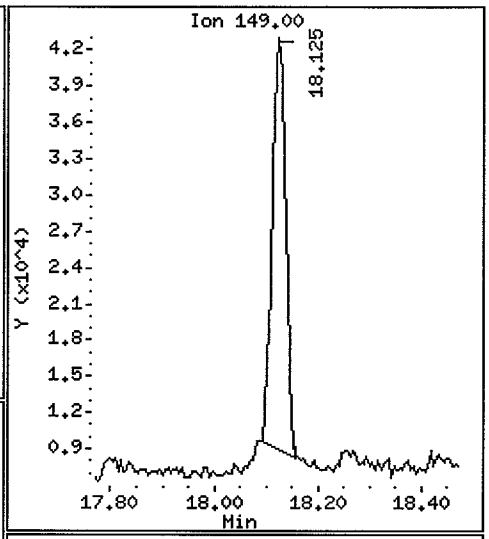
Column phase: ZB-5

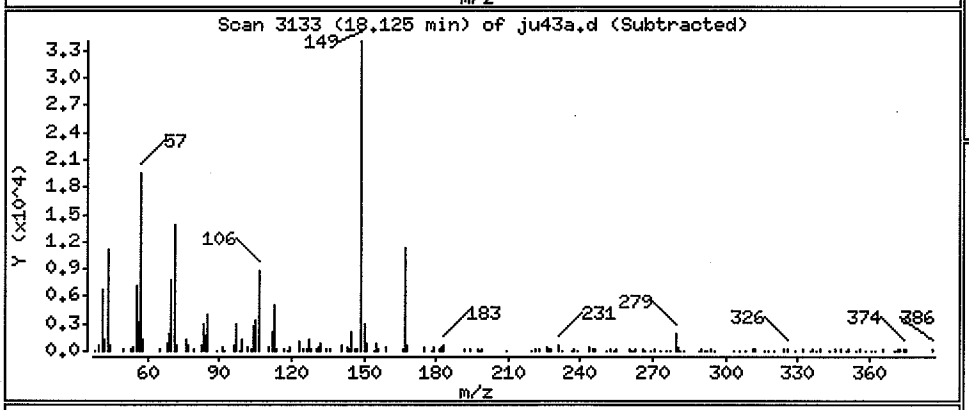
Column diameter: 0.32

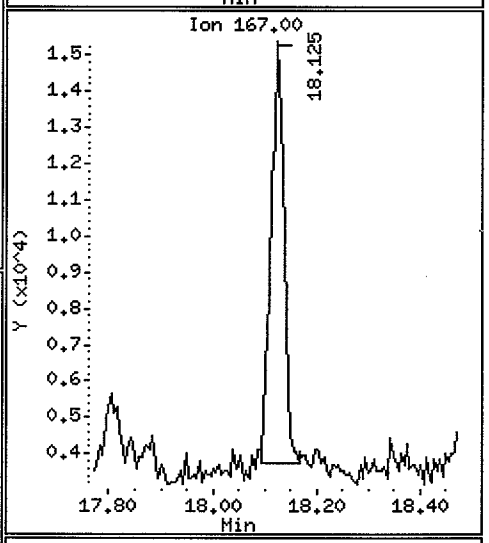
72 bis(2-Ethylhexyl)phthalate

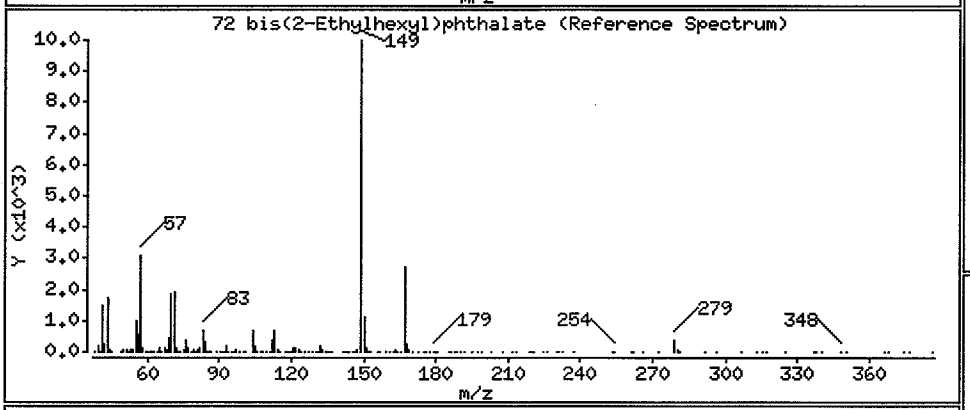
Concentration: 94.99 ug/kg

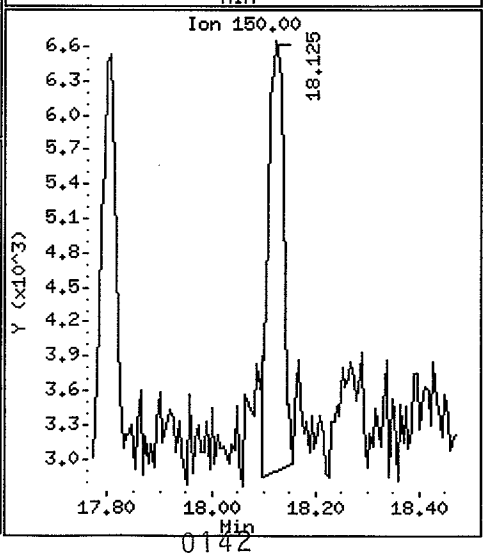


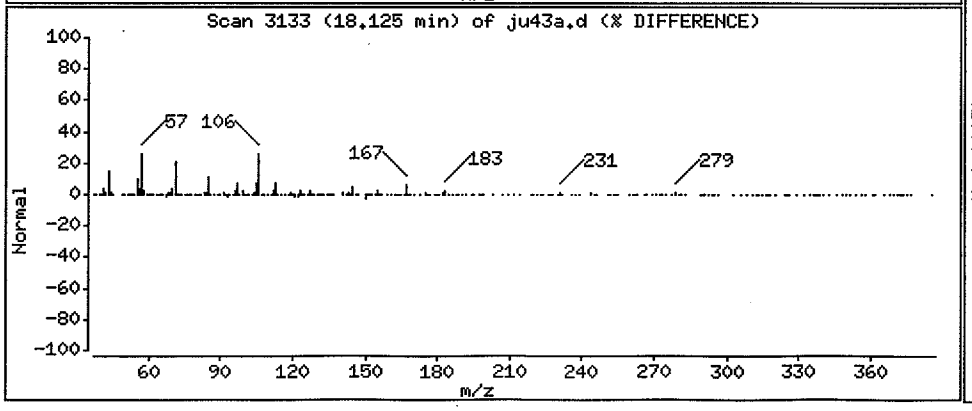












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-01-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43B
LIMS ID: 06-15846
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 18:09
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 21.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 42.2%
pH: 6.4

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	47	< 47 U
84-66-2	Diethylphthalate	47	< 47 U
84-74-2	Di-n-Butylphthalate	47	< 47 U
85-68-7	Butylbenzylphthalate	47	< 47 U
117-81-7	bis(2-Ethylhexyl)phthalate	47	< 47 U
117-84-0	Di-n-Octyl phthalate	47	< 47 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	52.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43b.d
Lab Smp Id: JU43B Client Smp ID: T4-B414-01-F
Inj Date : 13-SEP-2006 18:09
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43B
Misc Info : 06-15846
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	37.00000	Weight of sample extracted (g)
M	42.20000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.487	4.455	(0.706)	373276	18.5993	869.7
$	2 Phenol-d5	99	6.090	6.068	(0.958)	445284	19.1179	893.9
	3 Phenol	94	6.106	6.084	(0.960)	23237	0.85052 LAL	39.77
$	5 2-Chlorophenol-d4	132	6.095	6.084	(0.959)	375025	19.8355	927.5
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.357	6.357	(1.000)	259261	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.651	6.645	(1.046)	153921	13.2794	620.9
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.287	7.286	(0.870)	279192	12.3470	577.3
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.259	8.355	(0.987)	84930	6.60287 LOL	308.7(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.371	8.371	(1.000)	918796	20.0000	
	28 Naphthalene	128	8.403	8.403	(1.004)	462449	9.41831	440.4
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	9.520	9.514	(1.137)	240102	9.46247	442.5
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.182	10.177	(0.910)	456599	13.3415	623.8
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	10.935	10.935	(0.977)	80148	1.65250	77.27(M)
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.192	11.186	(1.000)	531442	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.245	11.240	(1.005)	1174365	38.7860	1814
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.502	11.501	(1.028)	645439	16.0048	748.4
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	12.052	12.046	(1.077)	1053934	31.3473	1466
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	12.346	12.324	(0.912)	20889	1.30459 Y	61.00(M)
$	55 2,4,6-Tribromophenol	330	12.479	12.474	(1.115)	84949	22.6634	1060
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.532	13.515	(1.000)	768373	20.0000	
	60 Phenanthrene	178	13.580	13.553	(1.004)	4562528	148.313 E	6935
	61 Anthracene	178	13.638	13.622	(1.008)	867190	18.8786	882.8
	62 Carbazole	167	13.954	13.937	(1.031)	22506	0.50313 LOL	23.53(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	14.739	14.717	(1.089)	37299	0.70883	33.14(M)
	64 Fluoranthene	202	15.487	15.449	(1.144)	3005136	66.2764	3099
	65 Pyrene	202	15.823	15.786	(0.890)	3106834	60.5009	2829
$	66 Terphenyl-d14	244	16.187	16.170	(0.910)	412375	13.2265	618.5
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	17.757	17.736	(0.998)	812349	20.3613	952.1
*	69 Chrysene-d12	240	17.784	17.762	(1.000)	603406	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	17.821	17.800	(1.002)	954812	23.7559	1111
	72 bis(2-Ethylhexyl)phthalate	149	18.136	18.120	(0.951)	23001	0.69622	32.55(M)
*	134 Di-n-octylphthalate-d4	153	19.066	19.044	(1.000)	1265542	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	19.397	19.365	(0.974)	480534	11.7680	550.3(M)
	75 Benzo(k)fluoranthene	252	19.413	19.402	(0.975)	576709	12.7956	598.3(M)
	76 Benzo(a)pyrene	252	19.830	19.792	(0.996)	650679	17.5021	818.4
*	77 Perylene-d12	264	19.910	19.872	(1.000)	656510	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.246	21.213	(1.067)	441376	9.47586	443.1
	79 Dibenzo(a,h)anthracene	278	21.278	21.251	(1.069)	108654	2.81477	131.6(M)
	80 Benzo(g,h,i)perylene	276	21.534	21.502	(1.082)	527534	12.2593	573.2
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	9.685	9.680	(1.157)	373292	14.4478	675.6
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43b.d
Lab Smp Id: JU43B
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15846

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-B414-01-F
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	259261	9.22
27 Naphthalene-d8	860372	430186	1720744	918796	6.79
42 Acenaphthene-d10	494619	247310	989238	531442	7.44
59 Phenanthrene-d10	763854	381927	1527708	768373	0.59
69 Chrysene-d12	565991	282996	1131982	603406	6.61
134 Di-n-octylphthala	1274966	637483	2549932	1265542	-0.74
77 Perylene-d12	631478	315739	1262956	656510	3.96

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.00
27 Naphthalene-d8	8.37	7.87	8.87	8.37	0.00
42 Acenaphthene-d10	11.19	10.69	11.69	11.19	0.05
59 Phenanthrene-d10	13.52	13.02	14.02	13.53	0.12
69 Chrysene-d12	17.76	17.26	18.26	17.78	0.12
134 Di-n-octylphthala	19.04	18.54	19.54	19.07	0.11
77 Perylene-d12	19.87	19.37	20.37	19.91	0.19

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

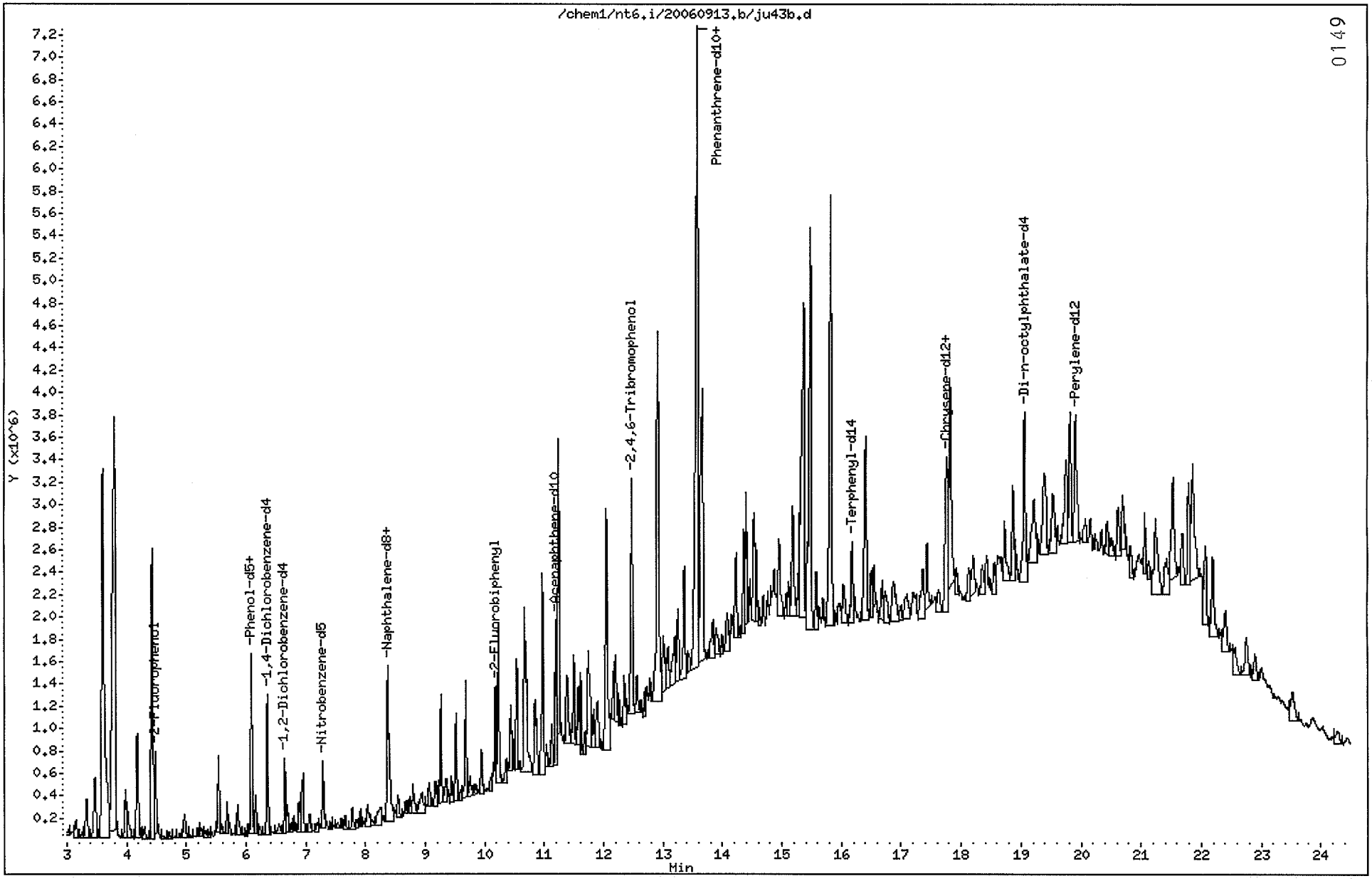
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43B
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15846

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-B414-01-F
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1753	869.7	49.60	22-91
$ 2 Phenol-d5	1753	893.9	50.98	26-99
$ 5 2-Chlorophenol-d4	1753	927.5	52.89	29-96
$ 10 1,2-Dichlorobenzen	1169	620.9	53.12	24-87
$ 18 Nitrobenzene-d5	1169	577.3	49.39	27-101
$ 36 2-Fluorobiphenyl	1169	623.8	53.37	30-100
$ 55 2,4,6-Tribromophen	1753	1060	60.44	20-114
$ 66 Terphenyl-d14	1169	618.5	52.91	12-120

Data File: /chem1/nt6.i/20060913.b/ju43b.d
Date : 13-SEP-2006 18:09
Client ID: T4-B414-01-F
Sample Info: JU43B
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43b.d

Date : 13-SEP-2006 18:09

Client ID: T4-B414-01-F

Instrument: nt6.i

Sample Info: JU43B

Volume Injected (uL): 1.0

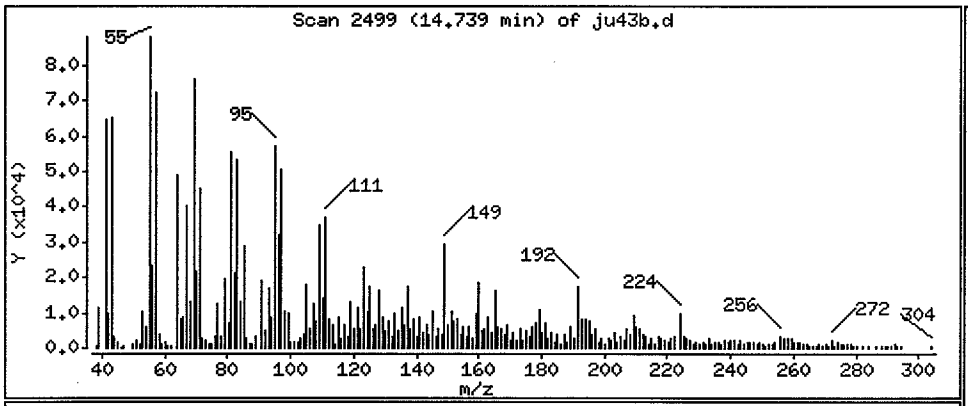
Operator: LJR/vts

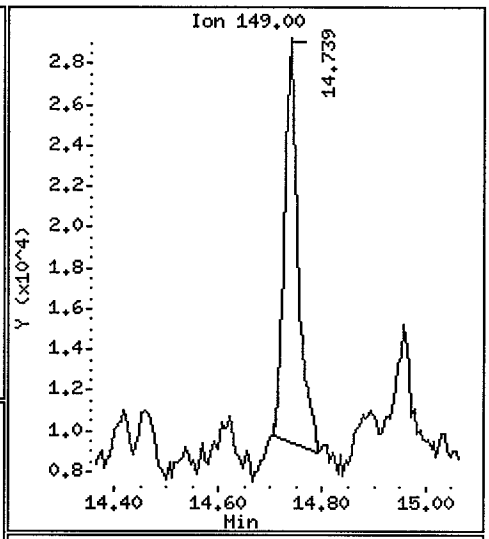
Column phase: ZB-5

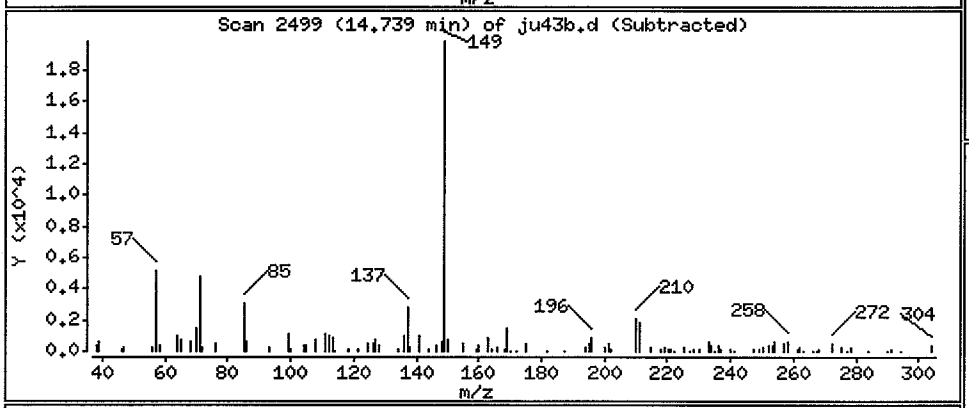
Column diameter: 0.32

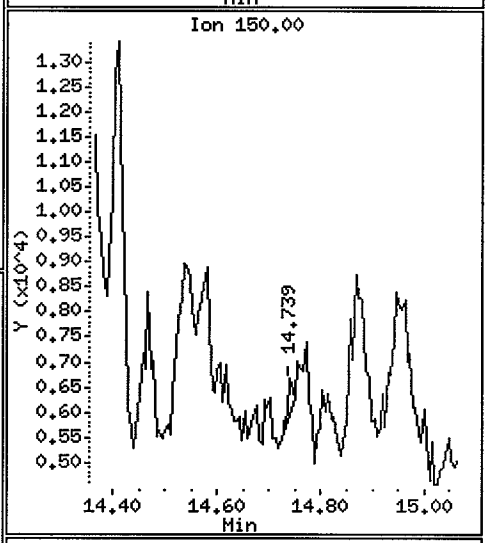
63 Di-n-butylphthalate

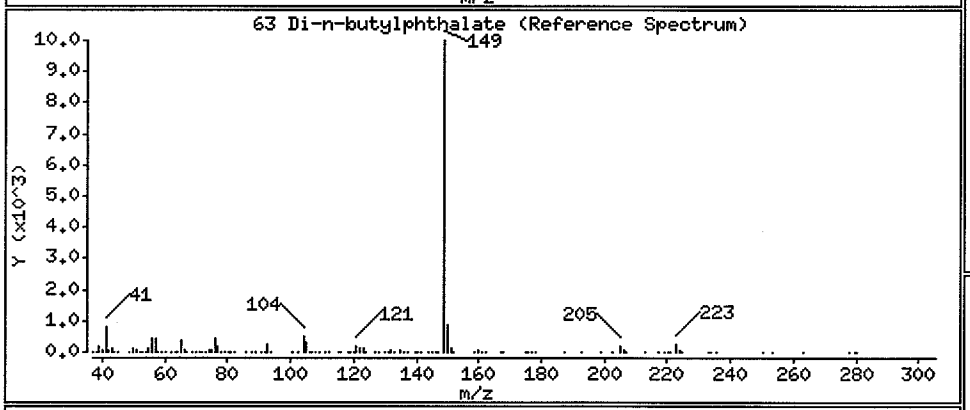
Concentration: 33.14 ug/kg

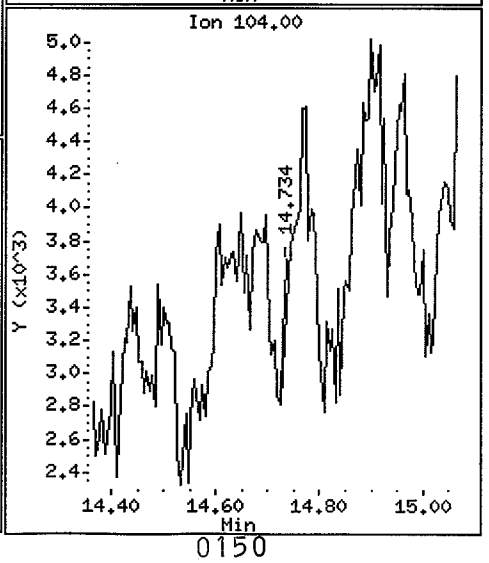


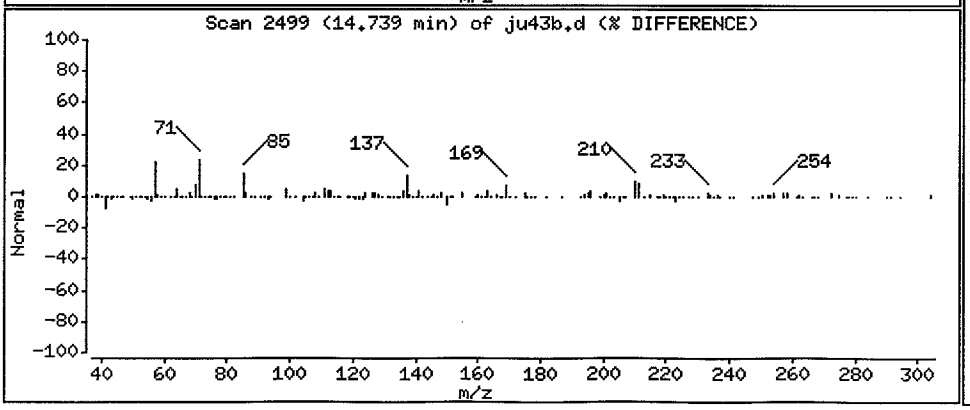












Data File: /chem1/nt6.i/20060913.b/ju43b.d

Date : 13-SEP-2006 18:09

Client ID: T4-B414-01-F

Instrument: nt6.i

Sample Info: JU43B

Volume Injected (uL): 1.0

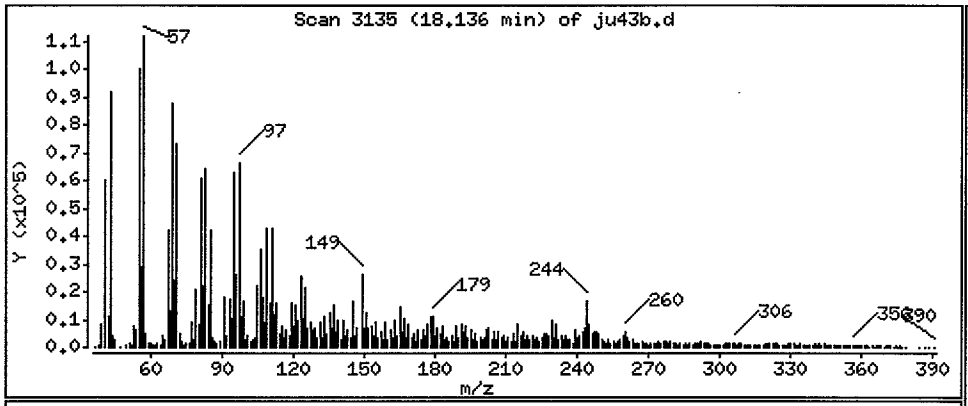
Operator: LJR/vts

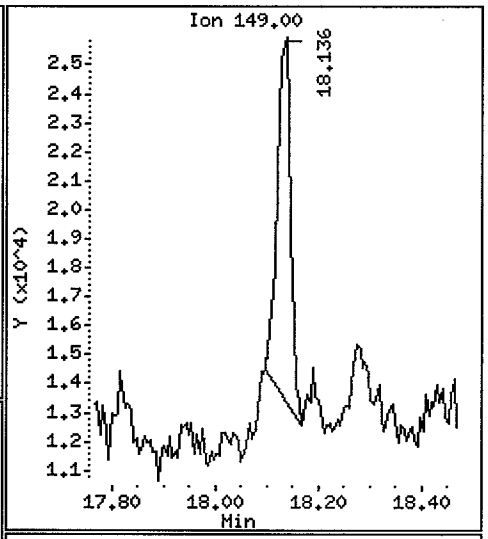
Column phase: ZB-5

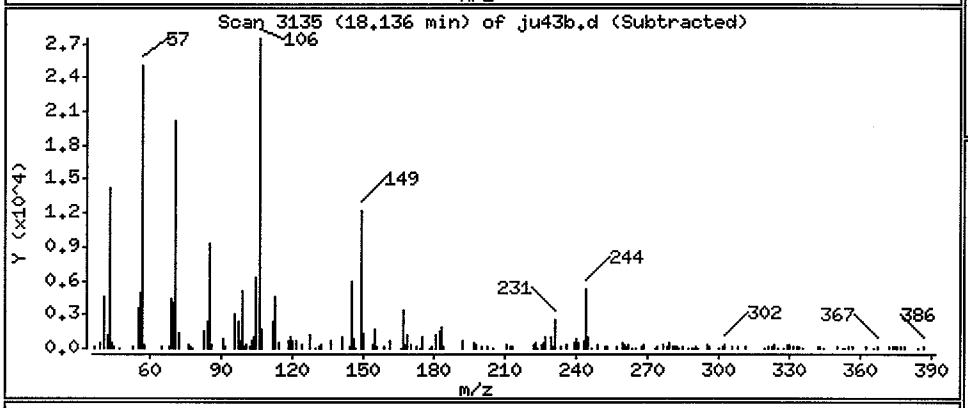
Column diameter: 0.32

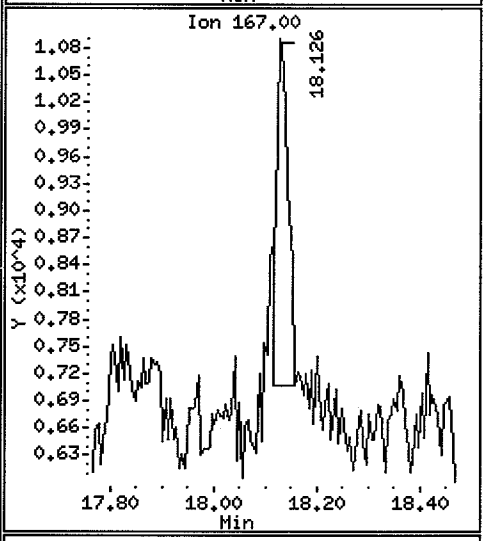
72 bis(2-Ethylhexyl)phthalate

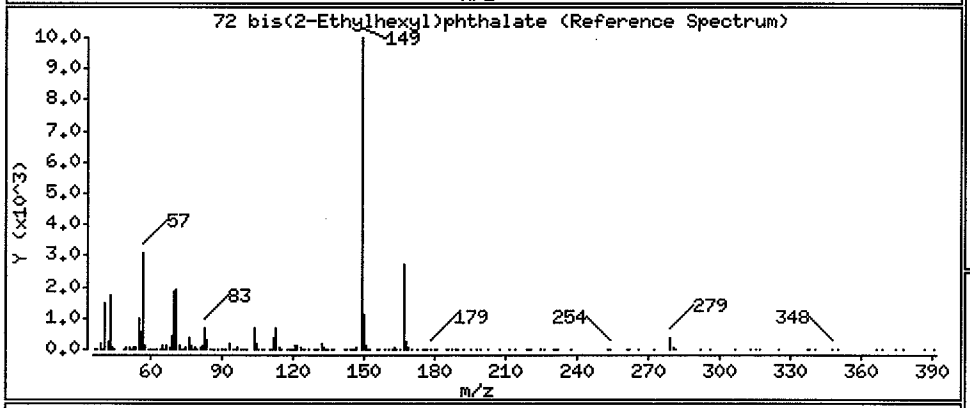
Concentration: 32.55 ug/kg

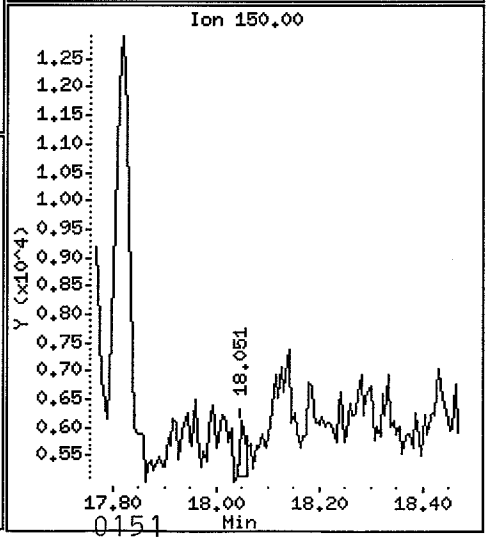


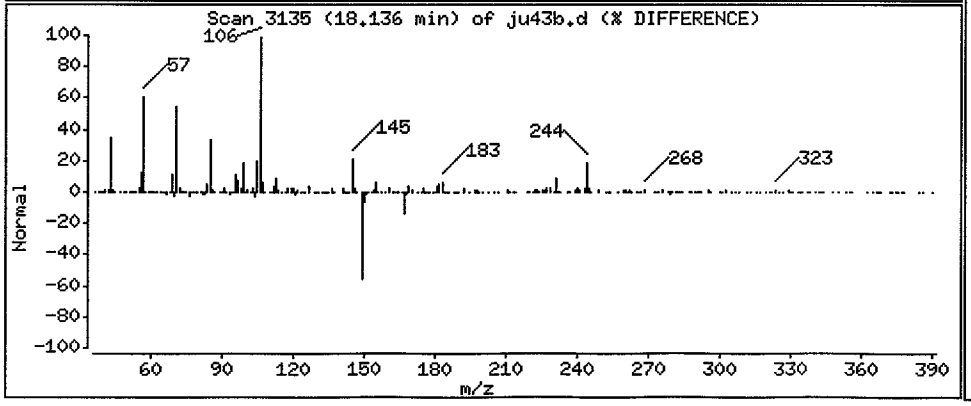












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-01-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43C
LIMS ID: 06-15847
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 18:40
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 43.7%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**21**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**47**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	50.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43c.d
Lab Smp Id: JU43C Client Smp ID: T4-B414-01-E
Inj Date : 13-SEP-2006 18:40
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43C
Misc Info : 06-15847
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	89.60000	Weight of sample extracted (g)
M	43.70000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.498	4.455	(0.707)	350707	17.8137	353.1
$	2 Phenol-d5	99	6.095	6.068	(0.958)	419054	18.3407	363.6
	3 Phenol	94	6.116	6.084	(0.961)	31481	1.17462 B	23.29
$	5 2-Chlorophenol-d4	132	6.100	6.084	(0.959)	349564	18.8476	373.6
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.362	6.357	(1.000)	254327	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.651	6.645	(1.045)	140004	12.3131	244.1
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	7.233	7.222	(1.137)	16815	0.92907 LDL	18.42(M)
$	18 Nitrobenzene-d5	82	7.286	7.286	(0.870)	257628	11.4071	226.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.280	8.355	(0.989)	139816	10.8831	215.7(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.376	8.371	(1.000)	917688	20.0000	
	28 Naphthalene	128	8.403	8.403	(1.003)	665495	13.9225	276.0
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	9.519	9.514	(1.136)	243046	9.59005	190.1
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.182	10.177	(0.909)	425766	12.3412	244.6
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	10.940	10.935	(0.977)	123466	2.52531	50.06(M)
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.197	11.186	(1.000)	535720	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.245	11.240	(1.004)	887149	29.0660	576.2
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.501	11.501	(1.027)	391332	9.62628	190.8
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	12.051	12.046	(1.076)	667763	19.7028	390.6
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	12.345	12.324	(0.912)	10829	0.67701 LDL	13.42(M)
$	55 2,4,6-Tribromophenol	330	12.479	12.474	(1.115)	81447	21.5556	427.3
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.531	13.515	(1.000)	767575	20.0000	
	60 Phenanthrene	178	13.574	13.553	(1.003)	3084384	88.0889 E	1746
	61 Anthracene	178	13.633	13.622	(1.008)	456334	9.94467	197.1
	62 Carbazole	167	13.948	13.937	(1.031)	69140	1.55439	30.81

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	14.739	14.717	(1.089)	56367	1.07232	21.26(M)
64 Fluoranthene	202	15.492	15.449	(1.145)	3948406	87.1701 E	1728
65 Pyrene	202	15.834	15.786	(0.890)	4539967	89.3080 E	1770
$ 66 Terphenyl-d14	244	16.186	16.170	(0.910)	387315	12.5491	248.8
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	17.768	17.736	(0.998)	1469148	37.1983	737.4
* 69 Chrysene-d12	240	17.794	17.762	(1.000)	597332	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	17.832	17.800	(1.002)	1660743	41.7397	827.4
72 bis(2-Ethylhexyl)phthalate	149	18.142	18.120	(0.951)	77029	2.36857	46.95(M)
* 134 Di-n-octylphthalate-d4	153	19.076	19.044	(1.000)	1245790	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	19.429	19.365	(0.975)	1499219	37.2696	738.8(M)
75 Benzo(k)fluoranthene	252	19.429	19.402	(0.975)	1113933	29.6418	587.6(M)
76 Benzo(a)pyrene	252	19.851	19.792	(0.996)	1659159	45.3026	898.1
* 77 Perylene-d12	264	19.931	19.872	(1.000)	646741	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	21.272	21.213	(1.067)	1209719	26.3636	522.6(M)
79 Dibenzo(a,h)anthracene	278	21.299	21.251	(1.069)	284811	7.48971	148.5(M)
80 Benzo(g,h,i)perylene	276	21.566	21.502	(1.082)	1428742	33.7029	668.1(M)
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	9.685	9.680	(1.156)	139453	5.40386	107.1
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43c.d
Lab Smp Id: JU43C
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15847

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-B414-01-E
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	254327	7.14
27 Naphthalene-d8	860372	430186	1720744	917688	6.66
42 Acenaphthene-d10	494619	247310	989238	535720	8.31
59 Phenanthrene-d10	763854	381927	1527708	767575	0.49
69 Chrysene-d12	565991	282996	1131982	597332	5.54
134 Di-n-octylphthala	1274966	637483	2549932	1245790	-2.29
77 Perylene-d12	631478	315739	1262956	646741	2.42

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.08
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.06
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.09
59 Phenanthrene-d10	13.52	13.02	14.02	13.53	0.12
69 Chrysene-d12	17.76	17.26	18.26	17.79	0.18
134 Di-n-octylphthala	19.04	18.54	19.54	19.08	0.17
77 Perylene-d12	19.87	19.37	20.37	19.93	0.30

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

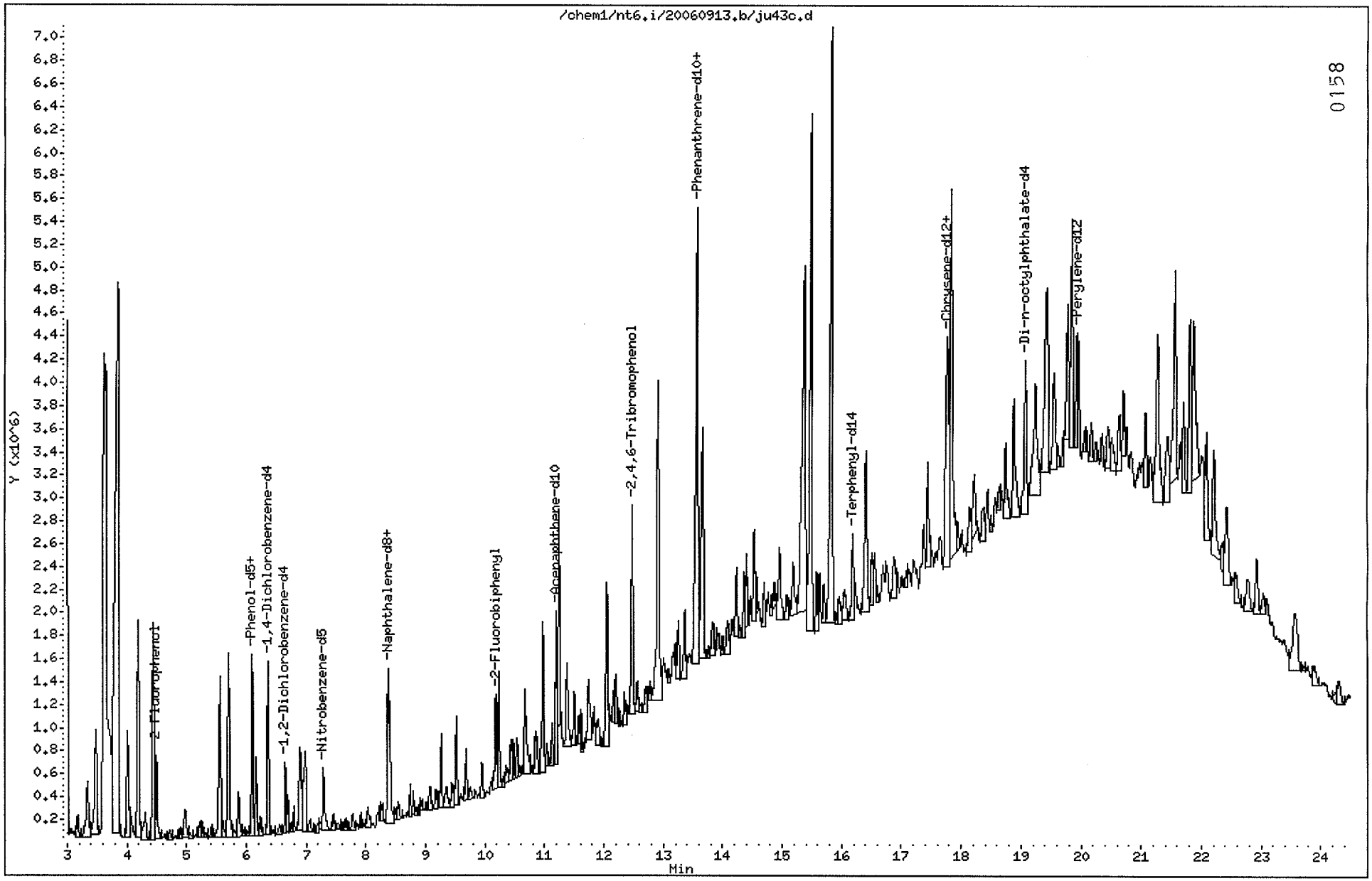
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43C
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15847

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-B414-01-E
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	743.4	353.1	47.50	22-91
$ 2	Phenol-d5	743.4	363.6	48.91	26-99
$ 5	2-Chlorophenol-d4	743.4	373.6	50.26	29-96
$ 10	1,2-Dichlorobenzen	495.6	244.1	49.25	24-87
$ 18	Nitrobenzene-d5	495.6	226.1	45.63	27-101
$ 36	2-Fluorobiphenyl	495.6	244.6	49.36	30-100
$ 55	2,4,6-Tribromophen	743.4	427.3	57.48	20-114
$ 66	Terphenyl-d14	495.6	248.8	50.20	12-120

Data File: /chem1/nt6.i/20060913.b/ju43c.d
Date : 13-SEP-2006 18:40
Client ID: T4-B414-01-E
Sample Info: JU43C
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43c.d

Date : 13-SEP-2006 18:40

Client ID: T4-B414-01-E

Instrument: nt6.i

Sample Info: JU43C

Volume Injected (uL): 1.0

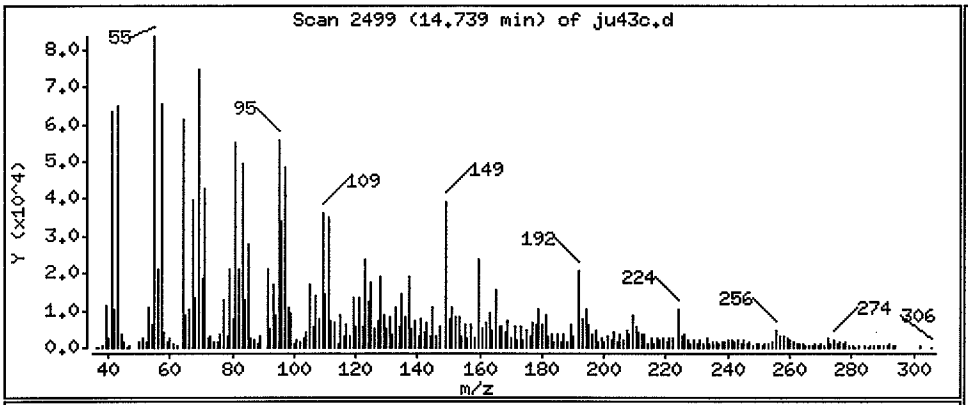
Operator: LJR/vts

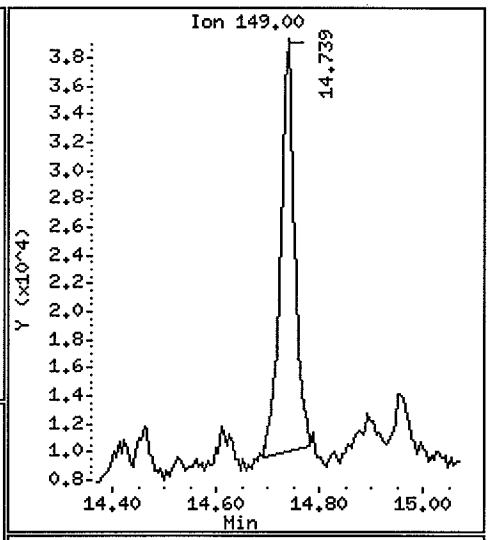
Column phase: ZB-5

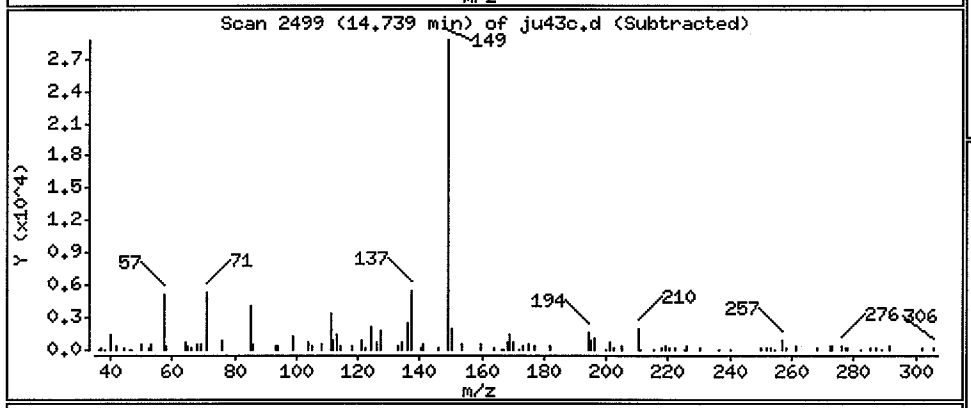
Column diameter: 0.32

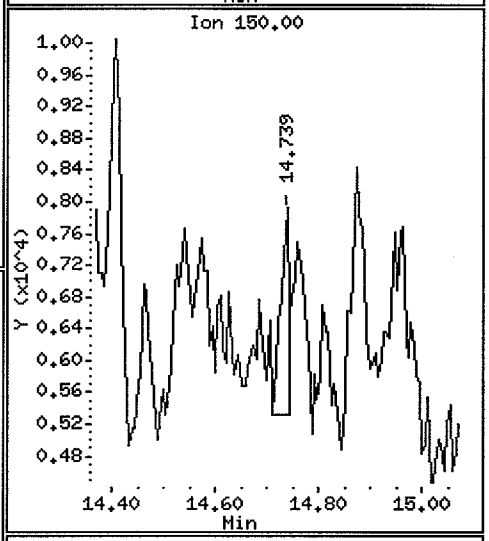
63 Di-n-butylphthalate

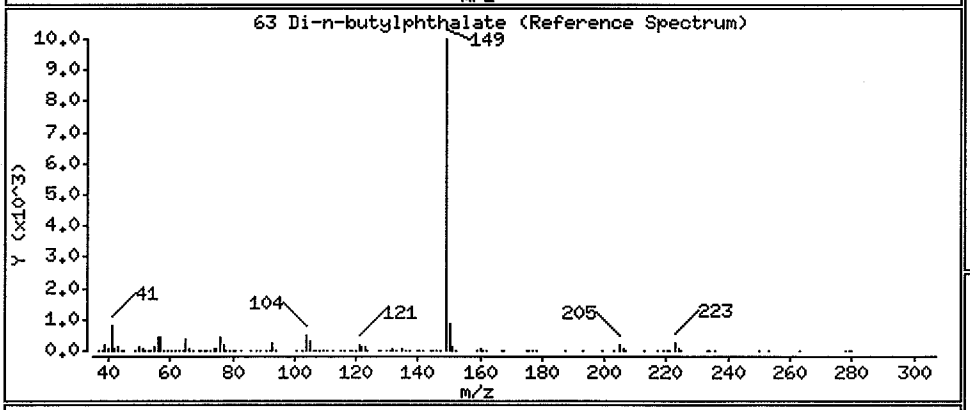
Concentration: 21.26 ug/kg

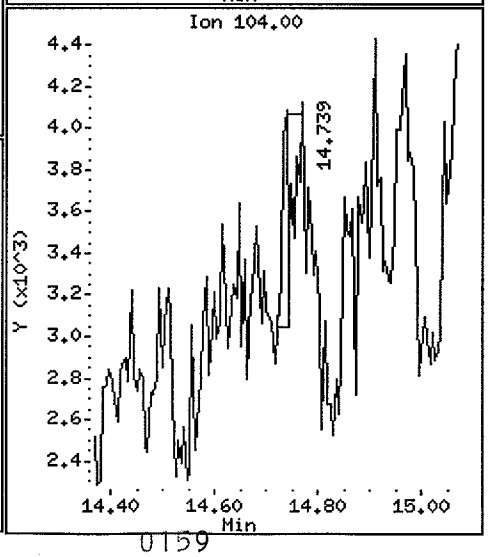


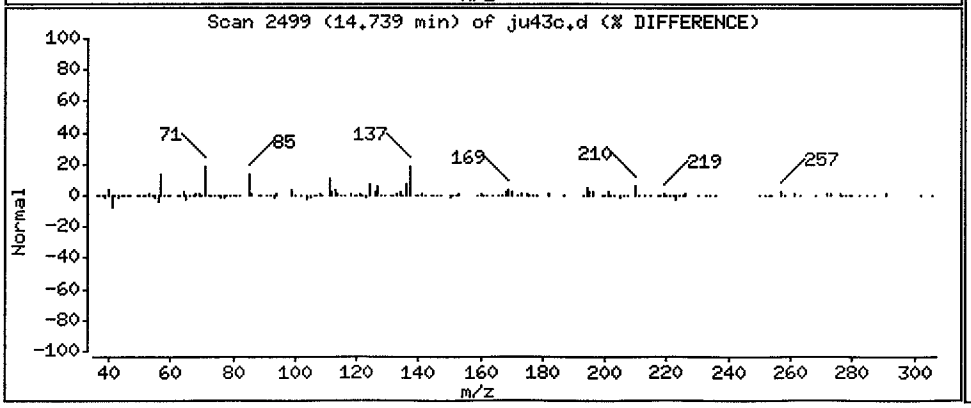












Data File: /chem1/nt6.i/20060913.b/ju43c.d

Date : 13-SEP-2006 18:40

Client ID: T4-B414-01-E

Instrument: nt6.i

Sample Info: JU43C

Volume Injected (uL): 1.0

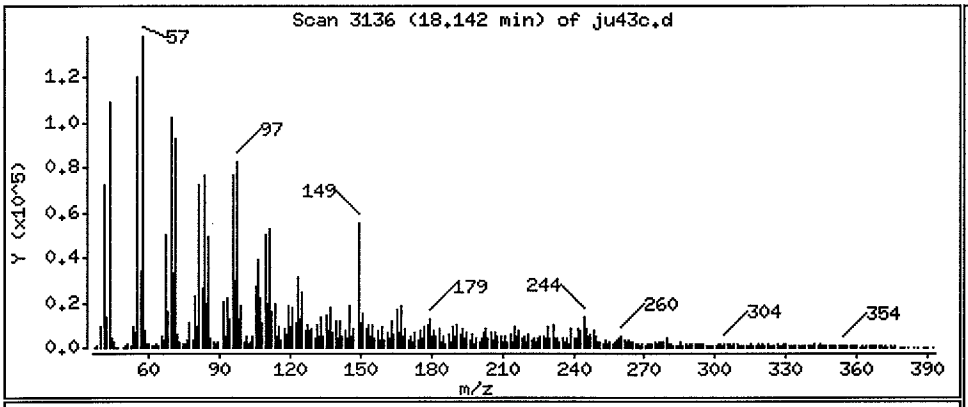
Operator: LJR/vts

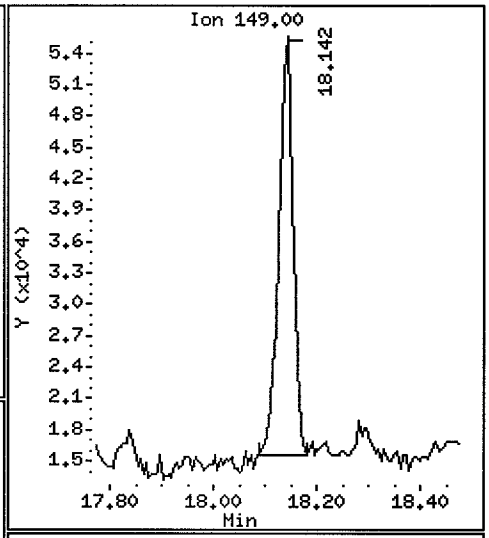
Column phase: ZB-5

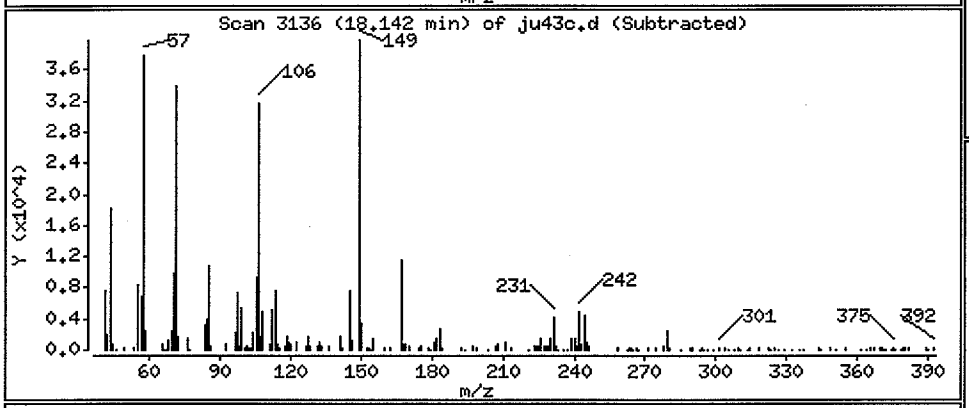
Column diameter: 0.32

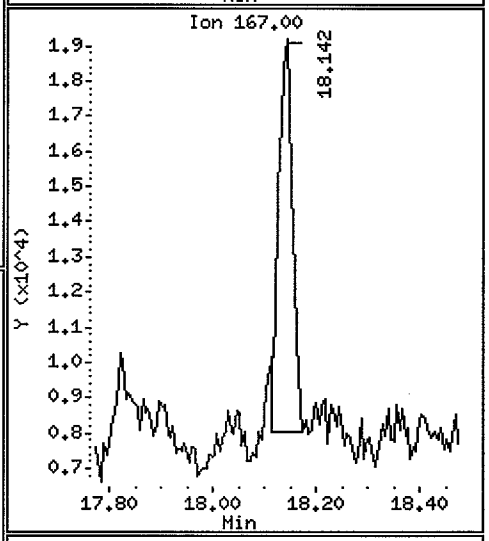
72 bis(2-Ethylhexyl)phthalate

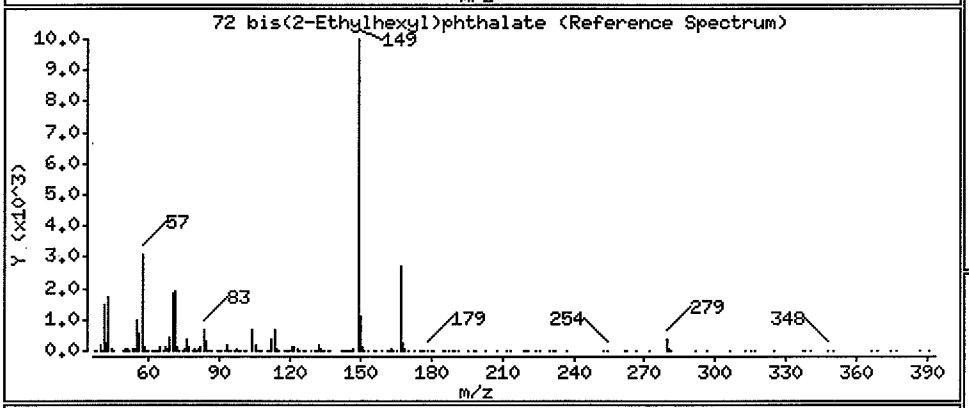
Concentration: 46.95 ug/kg

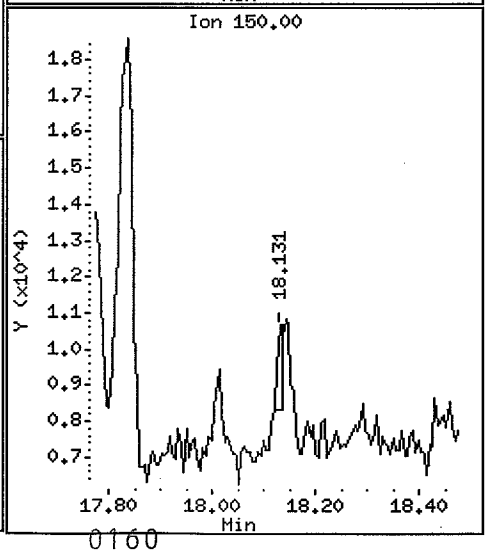


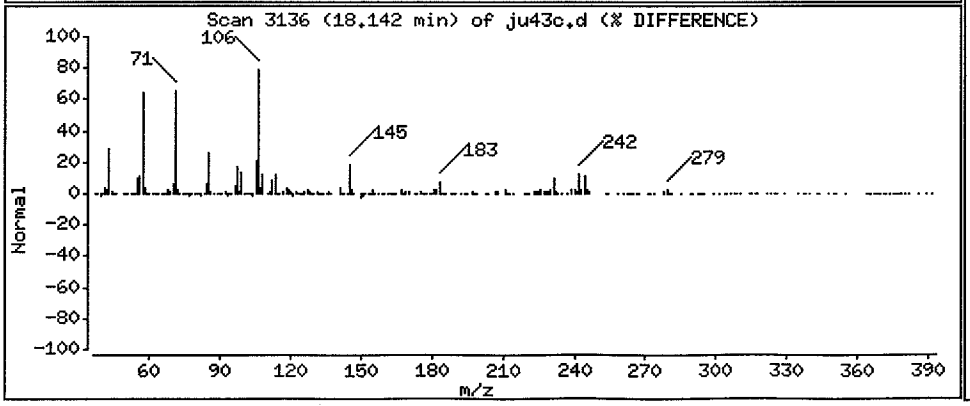












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-02-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43D
LIMS ID: 06-15848
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 19:12
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 45.3%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**100**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	45.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43d.d
Lab Smp Id: JU43D Client Smp ID: T4-B414-02-D
Inj Date : 13-SEP-2006 19:12
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43D
Misc Info : 06-15848
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	92.70000	Weight of sample extracted (g)
M	45.30000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.497	4.455	(0.707)	307414	16.2113	319.7
$	2 Phenol-d5	99	6.105	6.068	(0.960)	366464	16.6518	328.4
	3 Phenol	94	6.121	6.084	(0.962)	26786	1.03763 (B)	20.46
$	5 2-Chlorophenol-d4	132	6.105	6.084	(0.960)	304198	17.0282	335.8
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.361	6.357	(1.000)	244968	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.650	6.645	(1.045)	123023	11.2330	221.5
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)	
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.						
	15 4-Methylphenol	108	7.237	7.222	(1.138)	37059	2.12582	41.92	
$	18 Nitrobenzene-d5	82	7.291	7.286	(0.870)	223583	10.1025	199.2	
	19 Nitrobenzene	77	Compound Not Detected.						
	20 Isophorone	82	Compound Not Detected.						
	21 2-Nitrophenol	139	Compound Not Detected.						
	22 2,4-Dimethylphenol	107	Compound Not Detected.						
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.						
	24 Benzoic acid	105	8.274	8.355	(0.988)	89852	7.13725 LOL	140.8	(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.						
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
*	27 Naphthalene-d8	136	8.375	8.371	(1.000)	899265	20.0000		
	28 Naphthalene	128	8.402	8.403	(1.003)	115304	2.29392	45.24	
	29 4-Chloroaniline	127	Compound Not Detected.						
	30 Hexachlorobutadiene	225	Compound Not Detected.						
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.						
	32 2-Methylnaphthalene	141	9.518	9.514	(1.137)	29621	1.19272	23.52	
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.						
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.						
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.						
$	36 2-Fluorobiphenyl	172	10.181	10.177	(0.909)	378331	11.3707	224.2	
	37 2-Chloronaphthalene	162	Compound Not Detected.						
	38 2-Nitroaniline	65	Compound Not Detected.						
	39 Dimethylphthalate	163	Compound Not Detected.						
	40 Acenaphthylene	152	Compound Not Detected.						
	41 2,6-Dinitrotoluene	165	Compound Not Detected.						
*	42 Acenaphthene-d10	164	11.196	11.186	(1.000)	516664	20.0000		
	43 3-Nitroaniline	138	Compound Not Detected.						
	44 Acenaphthene	153	11.239	11.240	(1.004)	50787	1.72533	34.03	
	45 2,4-Dinitrophenol	184	Compound Not Detected.						
	46 Dibenzofuran	168	11.500	11.501	(1.027)	46755	1.19253	23.52	
	47 4-Nitrophenol	109	Compound Not Detected.						
	48 2,4-Dinitrotoluene	165	Compound Not Detected.						
	50 Diethylphthalate	149	Compound Not Detected.						
	49 Fluorene	166	12.045	12.046	(1.076)	48646	1.48827	29.35	(M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.						
	52 4-Nitroaniline	138	Compound Not Detected.						
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.						
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.						
$	55 2,4,6-Tribromophenol	330	12.478	12.474	(1.115)	73225	20.0944	396.3	
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.						
	57 Hexachlorobenzene	284	Compound Not Detected.						
	58 Pentachlorophenol	266	Compound Not Detected.						
*	59 Phenanthrene-d10	188	13.525	13.515	(1.000)	754212	20.0000		
	60 Phenanthrene	178	13.557	13.553	(1.002)	327770	7.04764	139.0	
	61 Anthracene	178	13.626	13.622	(1.008)	91714	2.03409	40.11	
	62 Carbazole	167	13.947	13.937	(1.031)	24138	0.54986 LOL	10.84	(MH)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	14.732	14.717	(1.089)	36915	0.71471 LDL	14.09(M)
64	Fluoranthene	202	15.470	15.449	(1.144)	577167	12.9681	255.7
65	Pyrene	202	15.811	15.786	(0.889)	639851	12.8362	253.1
$ 66	Terphenyl-d14	244	16.185	16.170	(0.910)	340780	11.2601	222.1
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.767	17.736	(0.999)	209843	5.41843	106.9
* 69	Chrysene-d12	240	17.788	17.762	(1.000)	585726	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.825	17.800	(1.002)	283354	7.26270	143.2
72	bis(2-Ethylhexyl)phthalate	149	18.141	18.120	(0.951)	167655	5.27717	104.1(M)
* 134	Di-n-octylphthalate-d4	153	19.070	19.044	(1.000)	1217002	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.407	19.365	(0.974)	201365	5.15017	101.6(M)
75	Benzo(k)fluoranthene	252	19.407	19.402	(0.974)	266477	5.57124	109.9(M)
76	Benzo(a)pyrene	252	19.834	19.792	(0.996)	215070	6.04176	119.2
* 77	Perylene-d12	264	19.919	19.872	(1.000)	628611	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.255	21.213	(1.067)	158807	3.56073	70.22(M)
79	Dibenzo(a,h)anthracene	278	21.292	21.251	(1.069)	47418	1.28292	25.30(M)
80	Benzo(g,h,i)perylene	276	21.549	21.502	(1.082)	176883	4.29300	84.66(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	9.679	9.680	(1.156)	13744	0.54350 LDL	10.72
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43d.d
Lab Smp Id: JU43D
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15848

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-B414-02-D
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	244968	3.20
27 Naphthalene-d8	860372	430186	1720744	899265	4.52
42 Acenaphthene-d10	494619	247310	989238	516664	4.46
59 Phenanthrene-d10	763854	381927	1527708	754212	-1.26
69 Chrysene-d12	565991	282996	1131982	585726	3.49
134 Di-n-octylphthala	1274966	637483	2549932	1217002	-4.55
77 Perylene-d12	631478	315739	1262956	628611	-0.45

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.07
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.05
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.09
59 Phenanthrene-d10	13.52	13.02	14.02	13.52	0.07
69 Chrysene-d12	17.76	17.26	18.26	17.79	0.14
134 Di-n-octylphthala	19.04	18.54	19.54	19.07	0.13
77 Perylene-d12	19.87	19.37	20.37	19.92	0.24

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

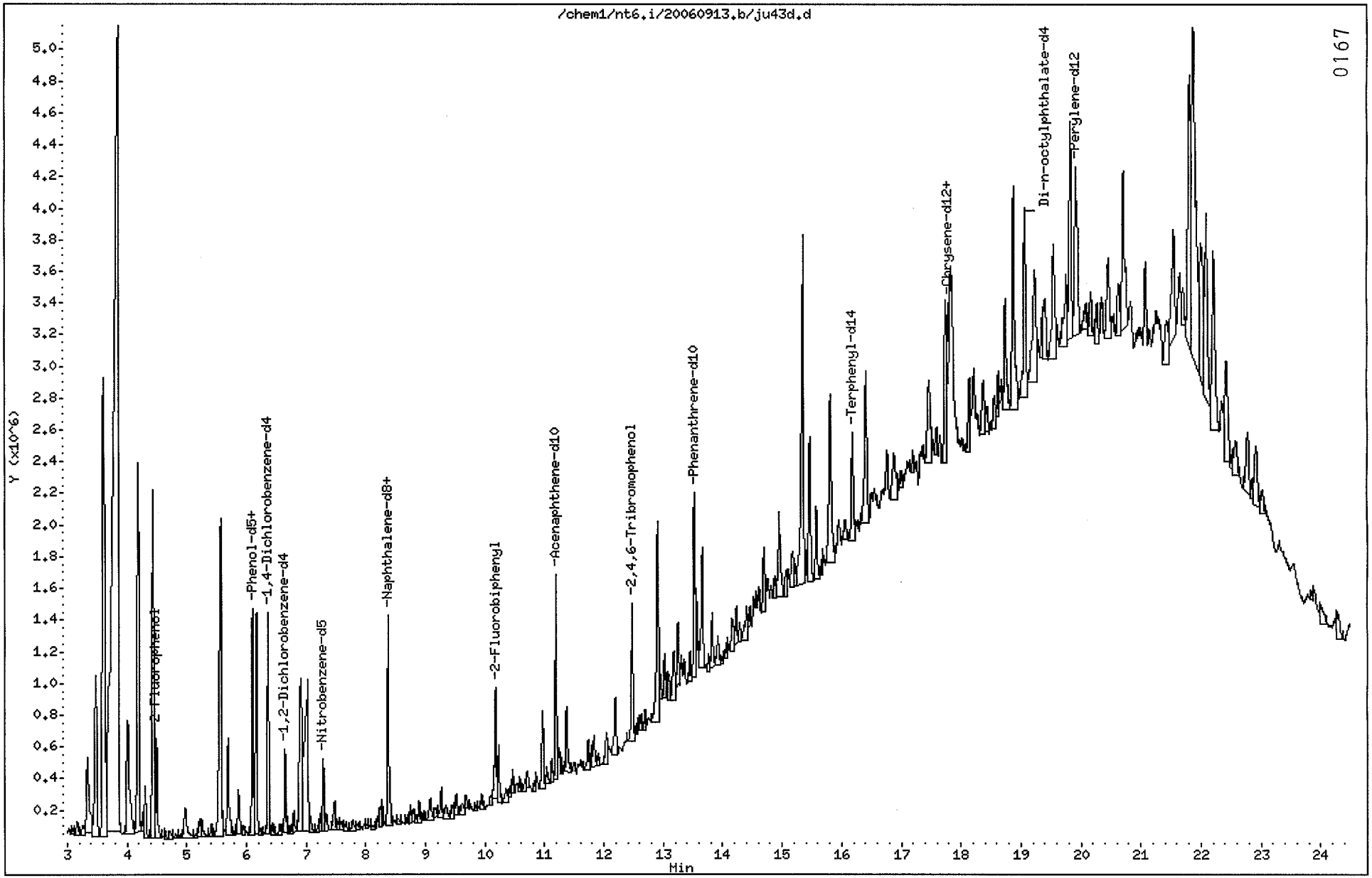
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43D
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15848

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-B414-02-D
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	739.5	319.7	43.23	22-91
$ 2	Phenol-d5	739.5	328.4	44.40	26-99
$ 5	2-Chlorophenol-d4	739.5	335.8	45.41	29-96
$ 10	1,2-Dichlorobenzen	493.0	221.5	44.93	24-87
$ 18	Nitrobenzene-d5	493.0	199.2	40.41	27-101
$ 36	2-Fluorobiphenyl	493.0	224.2	45.48	30-100
$ 55	2,4,6-Tribromophen	739.5	396.3	53.58	20-114
$ 66	Terphenyl-d14	493.0	222.1	45.04	12-120

Data File: /chem1/nt6.i/20060913.b/ju43d.d
Date : 13-SEP-2006 19:12
Client ID: T4-B414-02-D
Sample Info: JU43D
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43d.d

Date : 13-SEP-2006 19:12

Client ID: T4-B414-02-D

Instrument: nt6.i

Sample Info: JU43D

Volume Injected (uL): 1.0

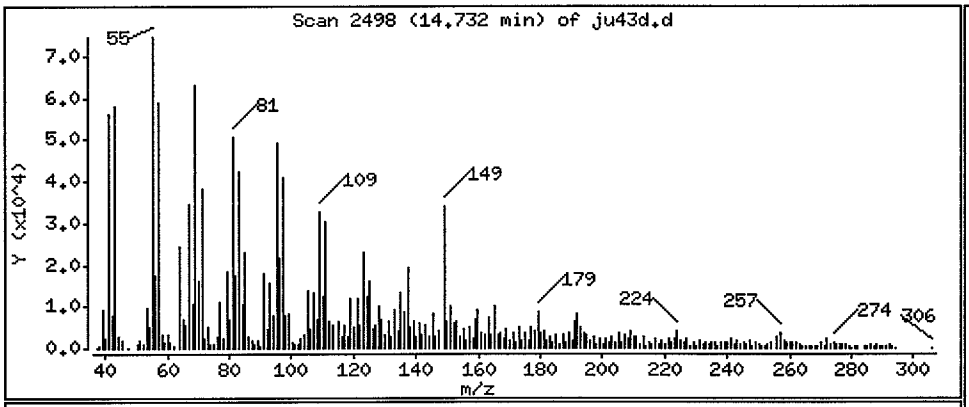
Operator: LJR/vts

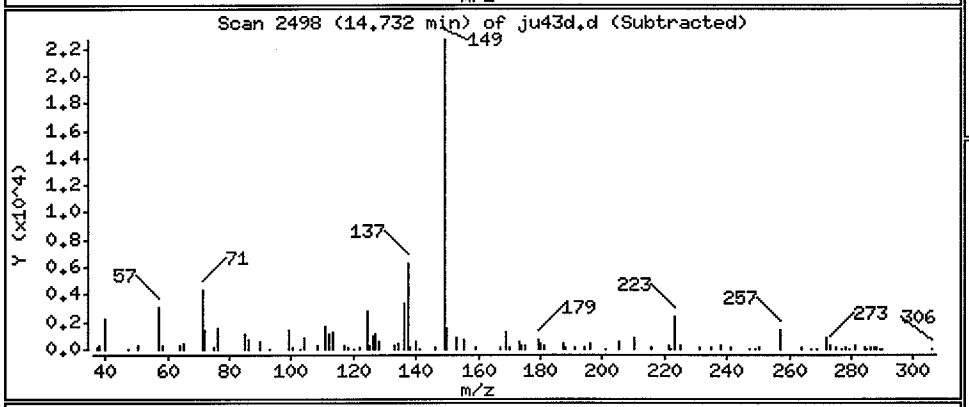
Column phase: ZB-5

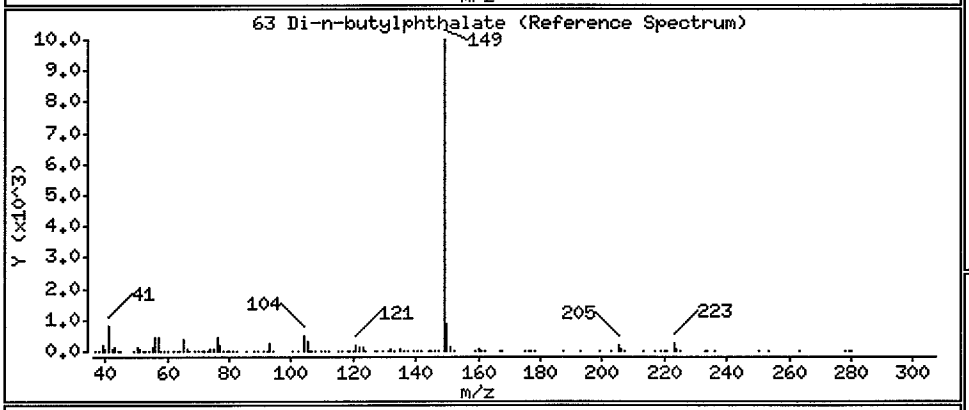
Column diameter: 0.32

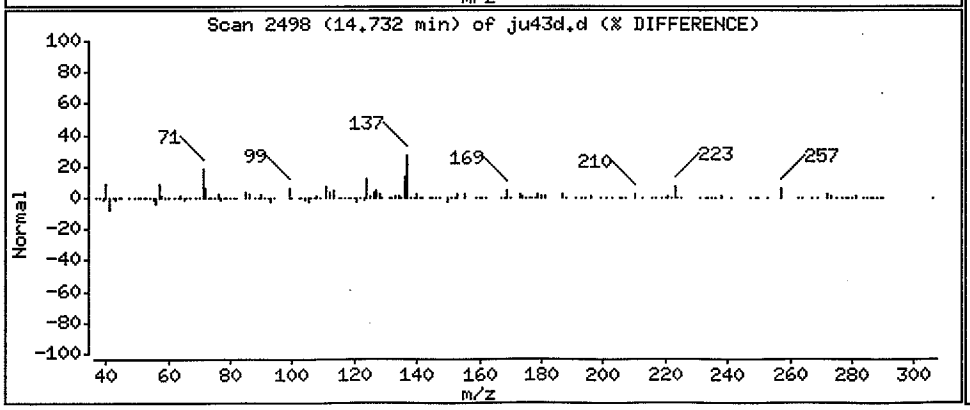
63 Di-n-butylphthalate

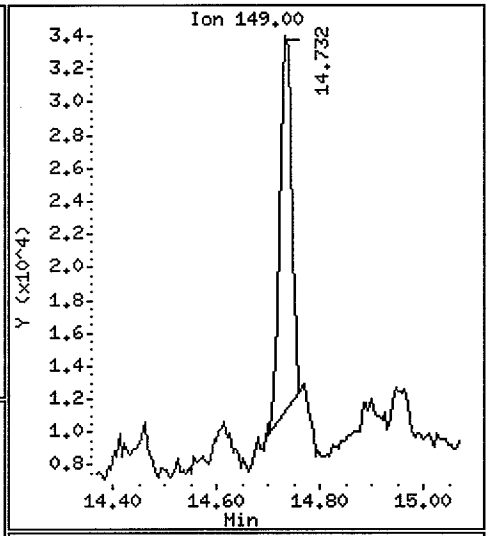
Concentration: 14.09 ug/kg

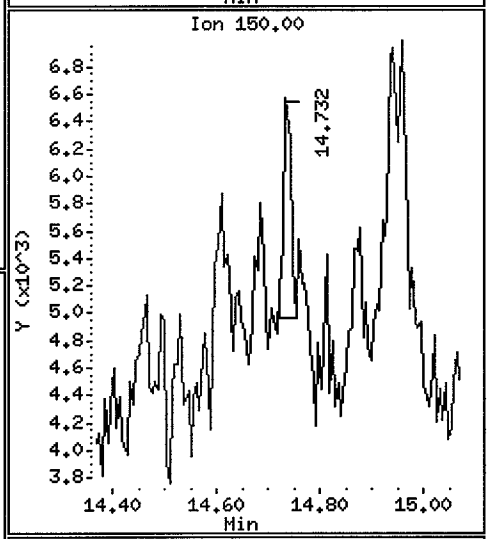


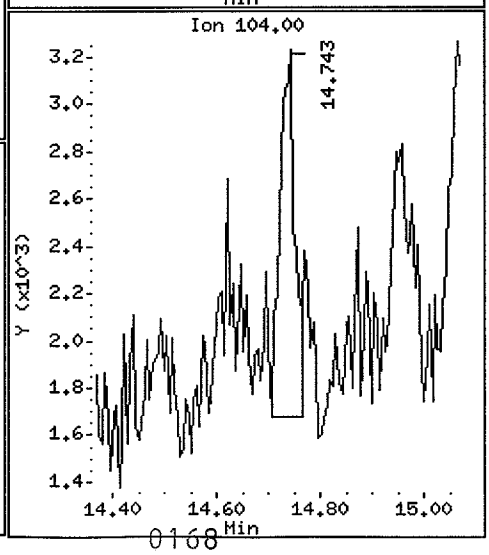












Data File: /chem1/nt6.i/20060913.b/ju43d.d

Date : 13-SEP-2006 19:12

Client ID: T4-B414-02-D

Instrument: nt6.i

Sample Info: JU43D

Volume Injected (uL): 1.0

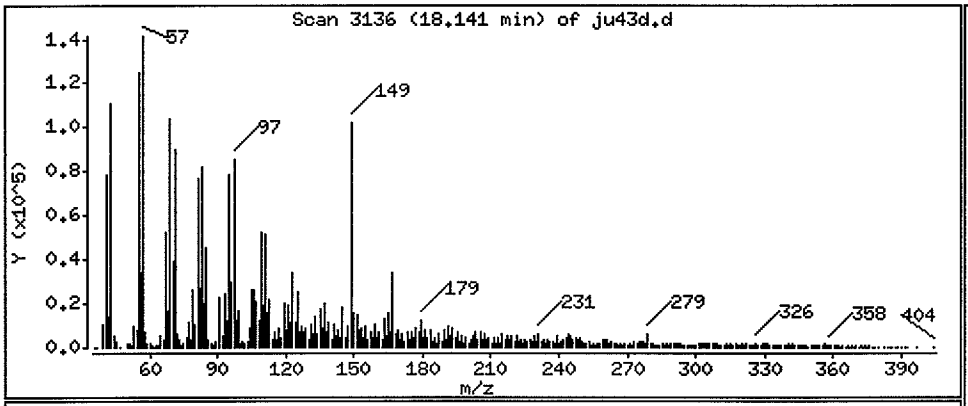
Operator: LJR/vts

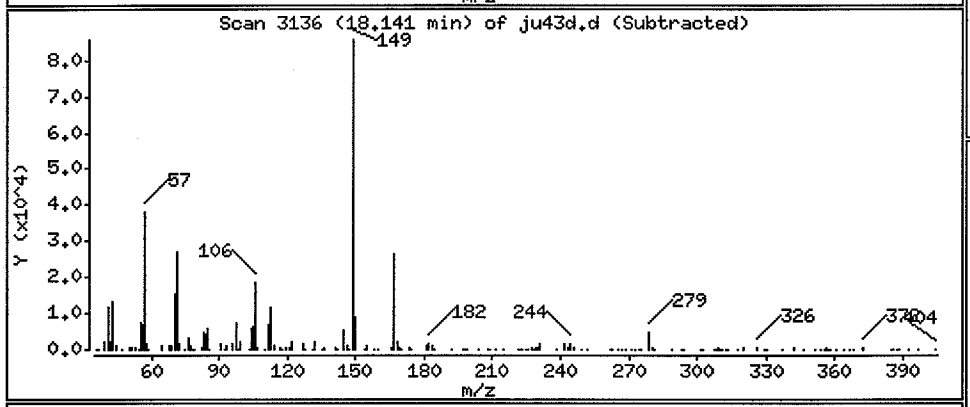
Column phase: ZB-5

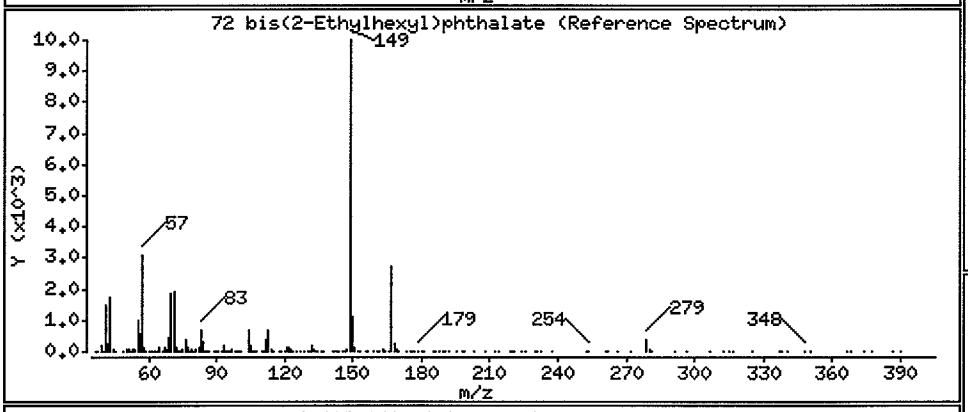
Column diameter: 0.32

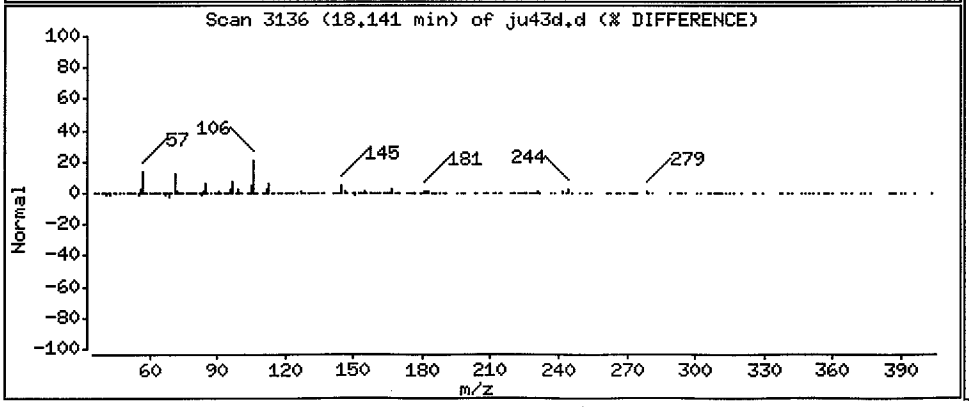
72 bis(2-Ethylhexyl)phthalate

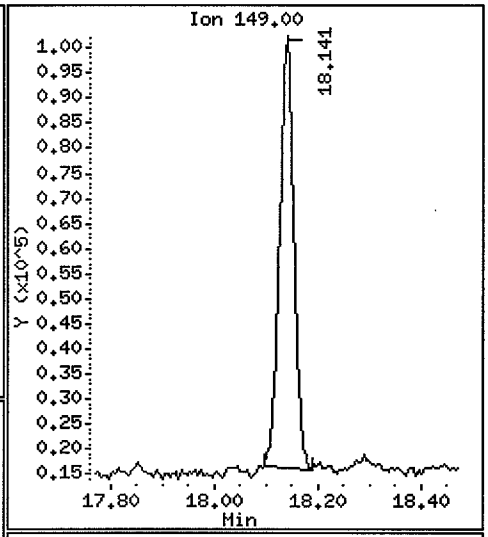
Concentration: 104.1 ug/kg

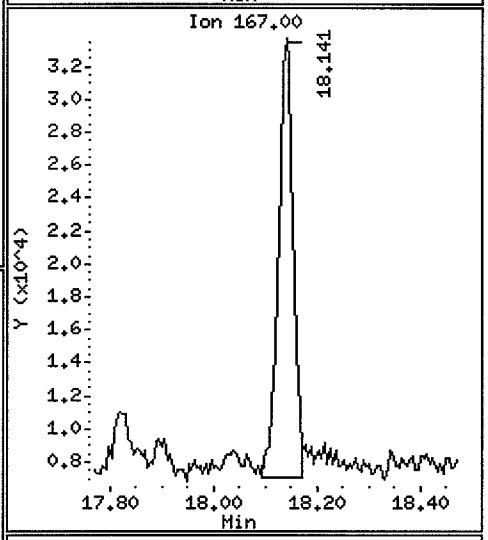


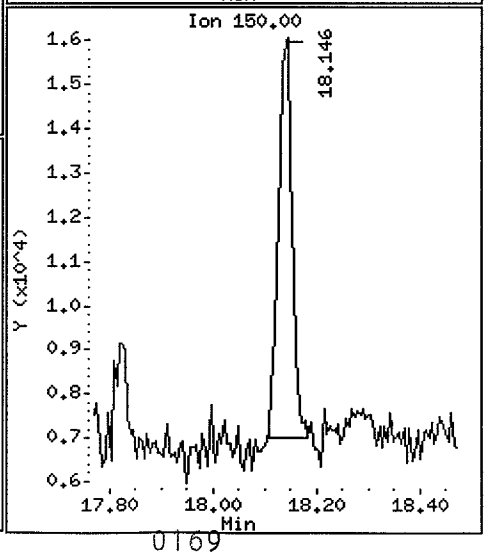












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-02-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43E
LIMS ID: 06-15849
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 19:44
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 44.0%
pH: 6.6

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**61**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	43.6%

0170

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43e.d
Lab Smp Id: JU43E Client Smp ID: T4-B414-02-E
Inj Date : 13-SEP-2006 19:44
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43E
Misc Info : 06-15849
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	90.00000	Weight of sample extracted (g)
M	44.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.486	4.455	(0.705)	241107	11.9827	237.8
$	2 Phenol-d5	99	6.094	6.068	(0.958)	337367	14.4471	286.6
	3 Phenol	94	6.110	6.084	(0.961)	22733	0.82993 LOL	16.47
$	5 2-Chlorophenol-d4	132	6.099	6.084	(0.959)	277475	14.6381	290.4
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.361	6.357	(1.000)	259932	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.650	6.645	(1.045)	110801	9.53462	189.2
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	7.237	7.222	(1.138)	20026	1.08262	21.48
$	18 Nitrobenzene-d5	82	7.291	7.286	(0.870)	207959	8.71638	172.9
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.274	8.355	(0.988)	100809	7.42797 LDL	147.4 (M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.375	8.371	(1.000)	969438	20.0000	
	28 Naphthalene	128	8.407	8.403	(1.004)	100442	1.84802	36.67
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	9.518	9.514	(1.137)	30473	1.13821	22.58
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.181	10.177	(0.909)	393149	10.6011	210.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.196	11.186	(1.000)	575877	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.238	11.240	(1.004)	67920	2.07012	41.07
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.500	11.501	(1.027)	51442	1.17717	23.36
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	12.050	12.046	(1.076)	62582	1.71776	34.08
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.478	12.474	(1.115)	79940	19.6815	390.5
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.525	13.515	(1.000)	852461	20.0000	
	60 Phenanthrene	178	13.557	13.553	(1.002)	312158	5.89851	117.0
	61 Anthracene	178	13.632	13.622	(1.008)	69362	1.36105	27.01
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	14.732	14.717	(1.089)	48522	0.83116 LQL	16.49(M)
	64 Fluoranthene	202	15.469	15.449	(1.144)	460856	9.16131	181.8
	65 Pyrene	202	15.806	15.786	(0.889)	551995	9.85032	195.4
$	66 Terphenyl-d14	244	16.185	16.170	(0.910)	371682	10.9244	216.8
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	17.761	17.736	(0.999)	175122	4.02231	79.81
*	69 Chrysene-d12	240	17.783	17.762	(1.000)	658474	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	17.820	17.800	(1.002)	231150	5.27009	104.6
	72 bis(2-Ethylhexyl)phthalate	149	18.141	18.120	(0.951)	110485	3.06764	60.87(M)
*	134 Di-n-octylphthalate-d4	153	19.070	19.044	(1.000)	1379668	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	19.401	19.365	(0.974)	184275	4.25049	84.34(M)
	75 Benzo(k)fluoranthene	252	19.407	19.402	(0.974)	183550	3.32838	66.04(M)
	76 Benzo(a)pyrene	252	19.829	19.792	(0.996)	192087	4.86650	96.56
*	77 Perylene-d12	264	19.914	19.872	(1.000)	697023	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.250	21.213	(1.067)	138533	2.80128	55.58(M)
	79 Dibenzo(a,h)anthracene	278	21.282	21.251	(1.069)	40481	0.98774 LQL	19.60(M)
	80 Benzo(g,h,i)perylene	276	21.538	21.502	(1.082)	164226	3.59461	71.32
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43e.d
Lab Smp Id: JU43E
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15849

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-B414-02-E
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	259932	9.50
27 Naphthalene-d8	860372	430186	1720744	969438	12.68
42 Acenaphthene-d10	494619	247310	989238	575877	16.43
59 Phenanthrene-d10	763854	381927	1527708	852461	11.60
69 Chrysene-d12	565991	282996	1131982	658474	16.34
134 Di-n-octylphthala	1274966	637483	2549932	1379668	8.21
77 Perylene-d12	631478	315739	1262956	697023	10.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.07
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.05
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.09
59 Phenanthrene-d10	13.52	13.02	14.02	13.52	0.07
69 Chrysene-d12	17.76	17.26	18.26	17.78	0.11
134 Di-n-octylphthala	19.04	18.54	19.54	19.07	0.13
77 Perylene-d12	19.87	19.37	20.37	19.91	0.21

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

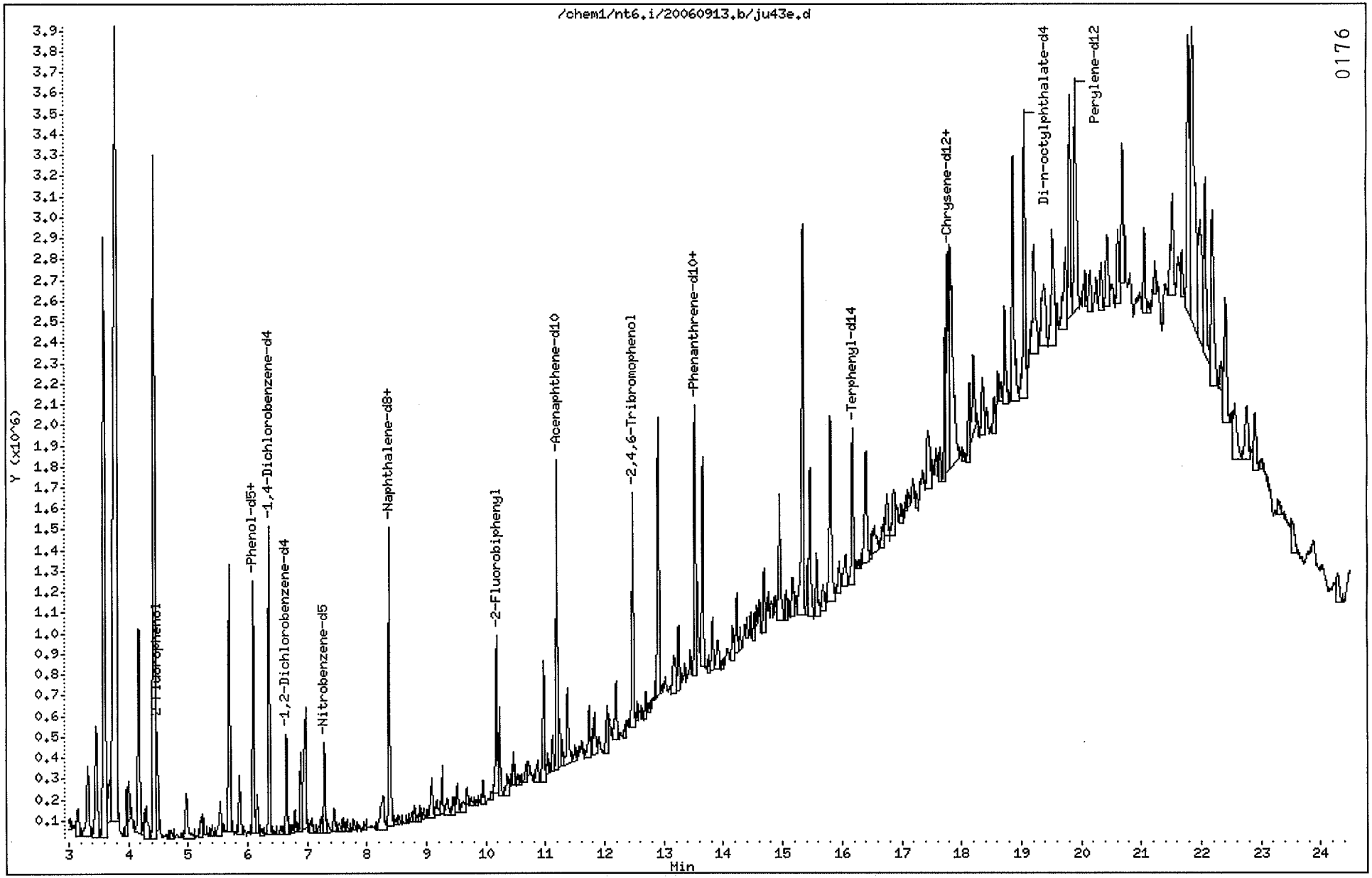
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43E
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15849

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-B414-02-E
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	744.0	237.8	31.95	22-91
$ 2 Phenol-d5	744.0	286.6	38.53	26-99
$ 5 2-Chlorophenol-d4	744.0	290.4	39.03	29-96
$ 10 1,2-Dichlorobenzen	496.0	189.2	38.14	24-87
$ 18 Nitrobenzene-d5	496.0	172.9	34.87	27-101
$ 36 2-Fluorobiphenyl	496.0	210.3	42.40	30-100
$ 55 2,4,6-Tribromophen	744.0	390.5	52.48	20-114
$ 66 Terphenyl-d14	496.0	216.8	43.70	12-120

Data File: /chem1/nt6.i/20060913.b/ju43e.d
Date : 13-SEP-2006 19:44
Client ID: T4-B414-02-E
Sample Info: JU43E
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43e.d

Date : 13-SEP-2006 19:44

Client ID: T4-B414-02-E

Instrument: nt6.i

Sample Info: JU43E

Volume Injected (uL): 1.0

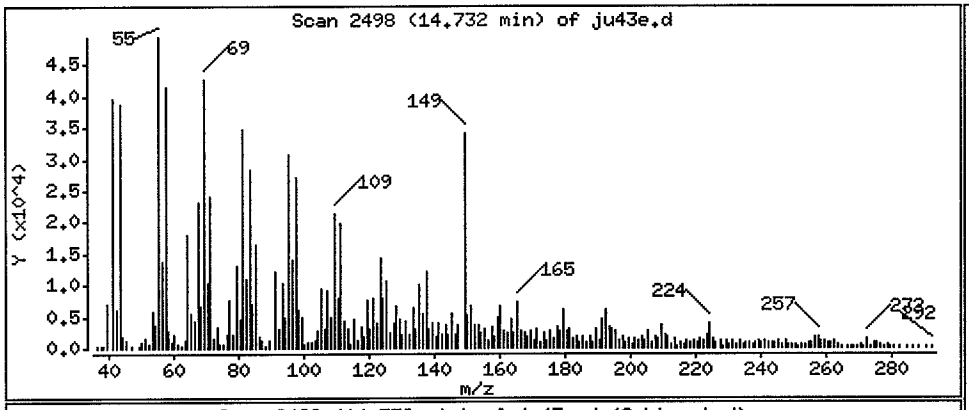
Operator: LJR/vts

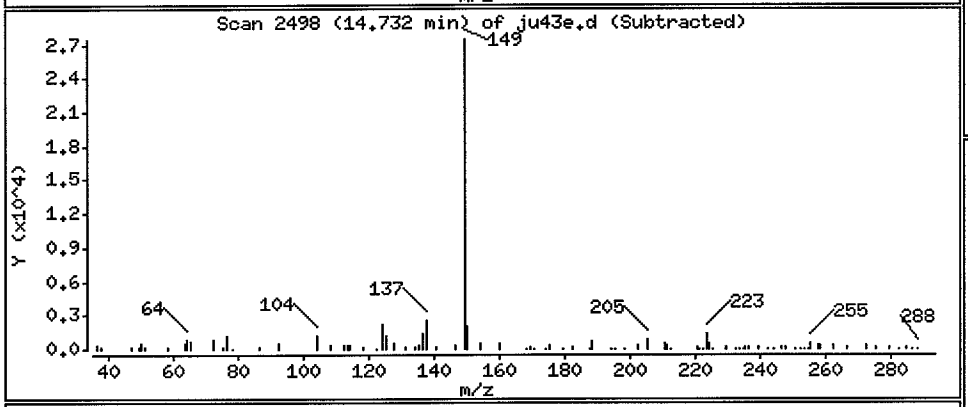
Column phase: ZB-5

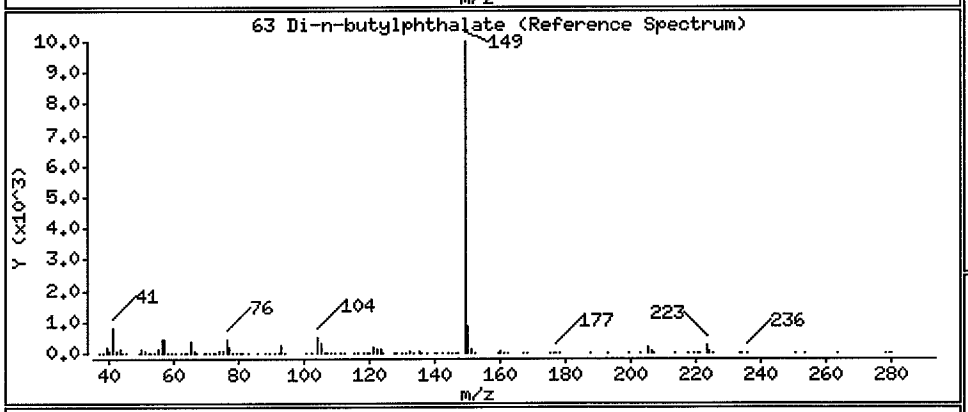
Column diameter: 0.32

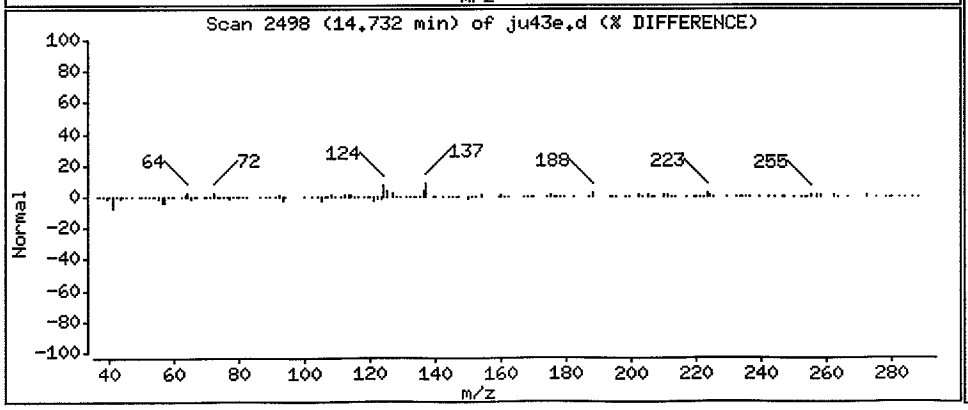
63 Di-n-butylphthalate

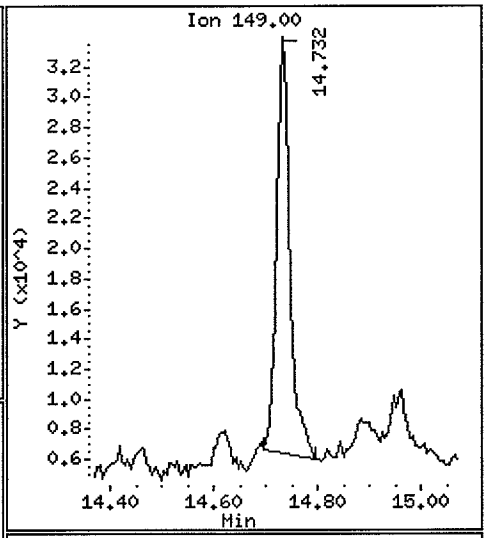
Concentration: 16.49 ug/kg

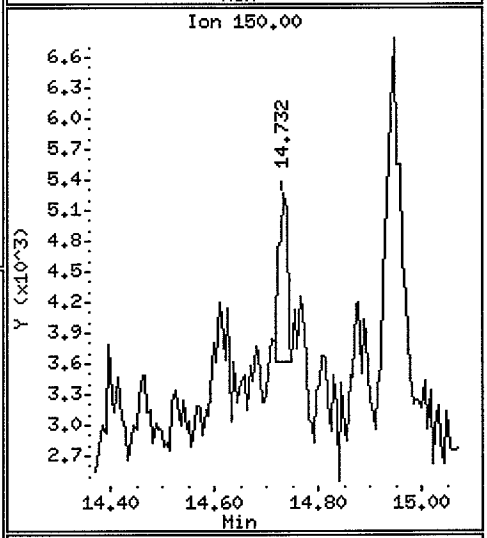


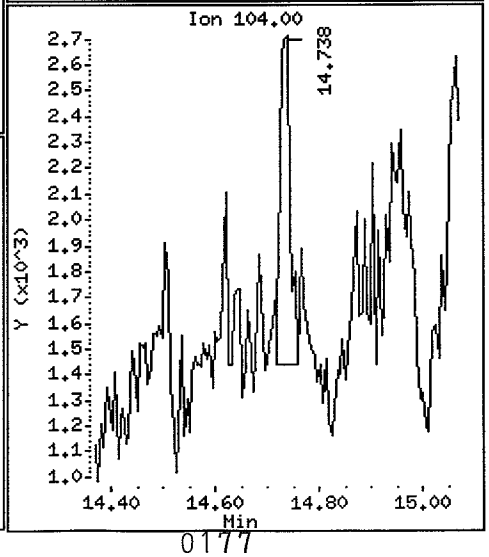












Data File: /chem1/nt6.i/20060913.b/ju43e.d

Date : 13-SEP-2006 19:44

Client ID: T4-B414-02-E

Instrument: nt6.i

Sample Info: JU43E

Volume Injected (uL): 1.0

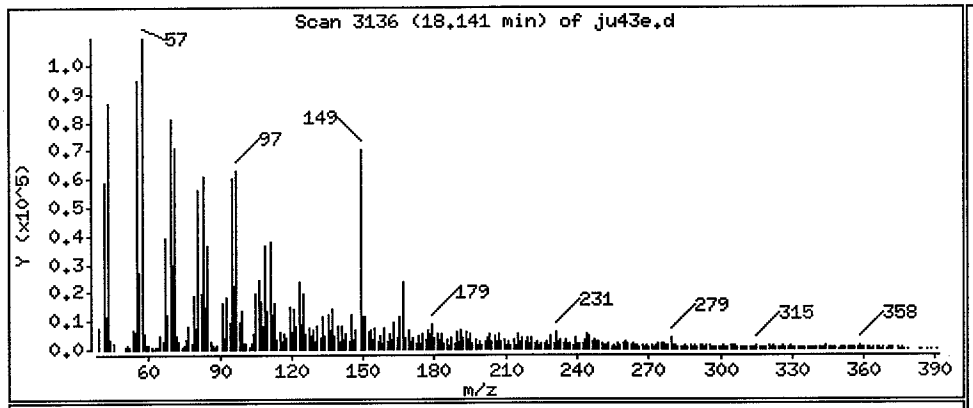
Operator: LJR/vts

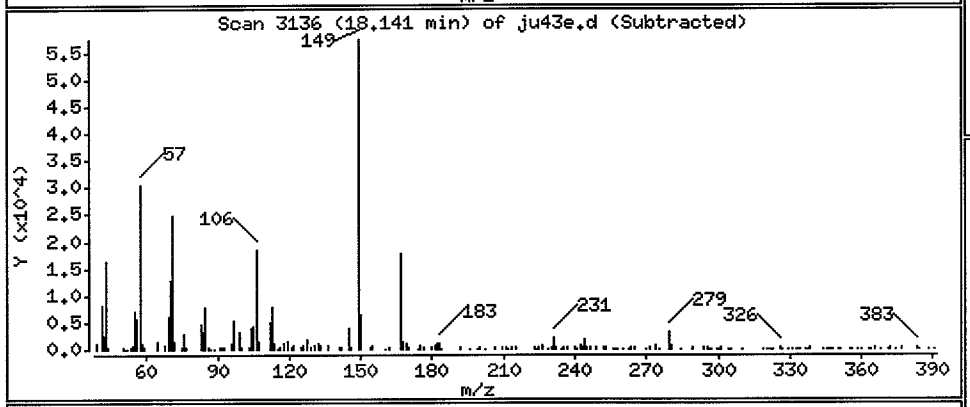
Column phase: ZB-5

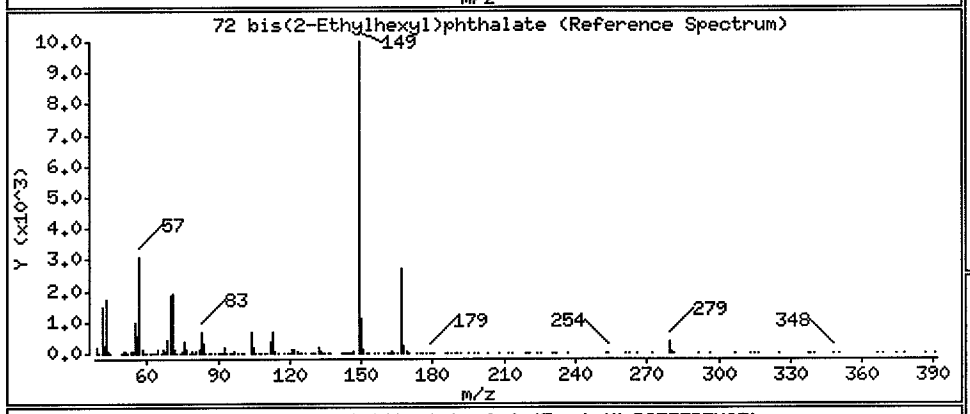
Column diameter: 0.32

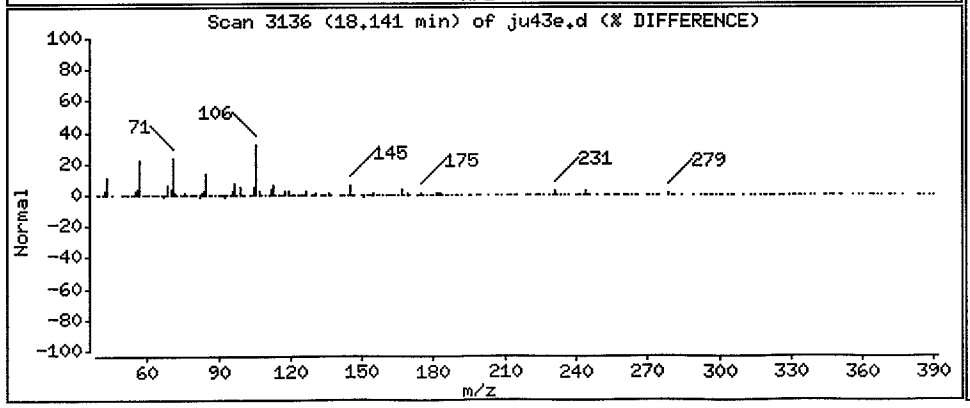
72 bis(2-Ethylhexyl)phthalate

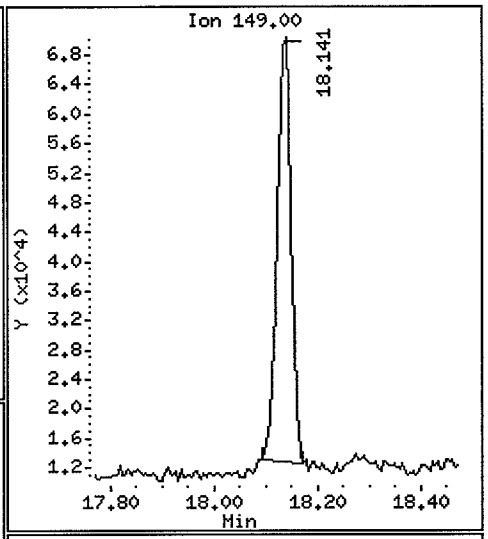
Concentration: 60.87 ug/kg

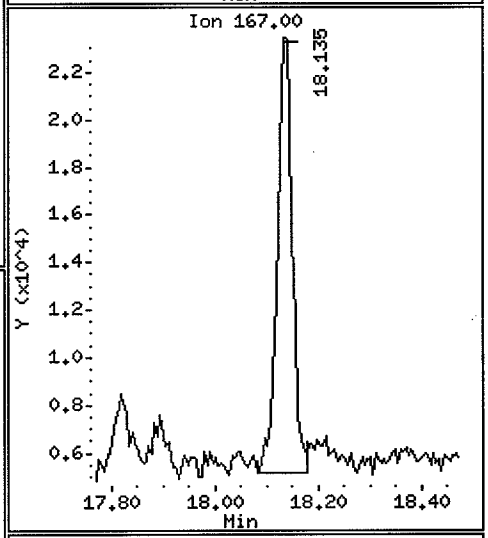


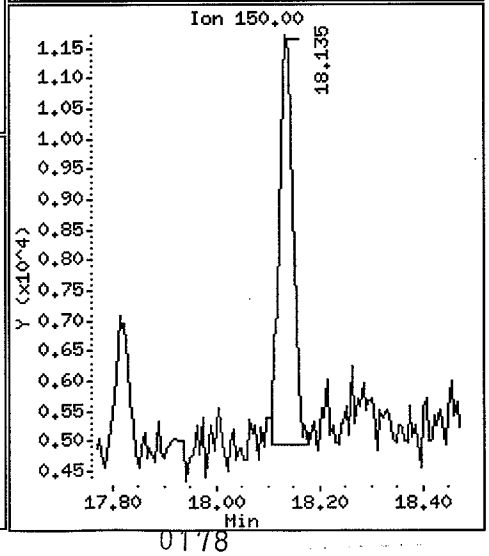












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-02-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43F
LIMS ID: 06-15850
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 20:16
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 42.5%
pH: 6.2

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**56**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	47.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43f.d
Lab Smp Id: JU43F Client Smp ID: T4-B414-02-F
Inj Date : 13-SEP-2006 20:16
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43F
Misc Info : 06-15850
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	87.40000	Weight of sample extracted (g)
M	42.50000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.497	4.455	(0.707)	299758	15.1580	301.6
$	2 Phenol-d5	99	6.099	6.068	(0.959)	364928	15.9006	316.4
	3 Phenol	94	6.115	6.084	(0.961)	24676	0.91661 LOL	18.24
$	5 2-Chlorophenol-d4	132	6.105	6.084	(0.960)	300482	16.1289	320.9
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.361	6.357	(1.000)	255466	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.655	6.645	(1.046)	120888	10.5845	210.6
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
15 4-Methylphenol	108	7.237	7.222	(1.138)	18008	0.99055 LDL	19.71 (M)
$ 18 Nitrobenzene-d5	82	7.291	7.286	(0.870)	218044	9.70673	193.1
19 Nitrobenzene	77	Compound Not Detected.					
20 Isophorone	82	Compound Not Detected.					
21 2-Nitrophenol	139	Compound Not Detected.					
22 2,4-Dimethylphenol	107	Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
24 Benzoic acid	105	8.279	8.355	(0.988)	102976	8.05893 LDL	160.4 (M)
25 2,4-Dichlorophenol	162	Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
* 27 Naphthalene-d8	136	8.380	8.371	(1.000)	912745	20.0000	
28 Naphthalene	128	8.407	8.403	(1.003)	303536	6.09841	121.3
29 4-Chloroaniline	127	Compound Not Detected.					
30 Hexachlorobutadiene	225	Compound Not Detected.					
31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
32 2-Methylnaphthalene	141	9.524	9.514	(1.136)	118141	4.68683	93.26
33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	10.186	10.177	(0.909)	383716	11.1298	221.5
37 2-Chloronaphthalene	162	Compound Not Detected.					
38 2-Nitroaniline	65	Compound Not Detected.					
39 Dimethylphthalate	163	Compound Not Detected.					
40 Acenaphthylene	152	10.945	10.935	(0.977)	49849	1.02027	20.30 (M)
41 2,6-Dinitrotoluene	165	Compound Not Detected.					
* 42 Acenaphthene-d10	164	11.201	11.186	(1.000)	535361	20.0000	
43 3-Nitroaniline	138	Compound Not Detected.					
44 Acenaphthene	153	11.249	11.240	(1.004)	451335	14.7972	294.4
45 2,4-Dinitrophenol	184	Compound Not Detected.					
46 Dibenzofuran	168	11.511	11.501	(1.028)	263151	6.47753	128.9
47 4-Nitrophenol	109	Compound Not Detected.					
48 2,4-Dinitrotoluene	165	Compound Not Detected.					
50 Diethylphthalate	149	Compound Not Detected.					
49 Fluorene	166	12.056	12.046	(1.076)	368841	10.8902	216.7
51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
52 4-Nitroaniline	138	Compound Not Detected.					
53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
54 N-Nitrosodiphenylamine	169	12.350	12.324	(0.912)	9629	0.59949 LDL	11.93 (MH)
$ 55 2,4,6-Tribromophenol	330	12.488	12.474	(1.115)	75633	20.0303	398.6
56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
57 Hexachlorobenzene	284	Compound Not Detected.					
58 Pentachlorophenol	266	Compound Not Detected.					
* 59 Phenanthrene-d10	188	13.541	13.515	(1.000)	770770	20.0000	
60 Phenanthrene	178	13.578	13.553	(1.003)	1593134	38.8902	773.9
61 Anthracene	178	13.642	13.622	(1.007)	269738	5.85391	116.5
62 Carbazole	167	13.957	13.937	(1.031)	30677	0.68421 LDL	13.61 (MH)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	14.743	14.717	(1.089)	45525	0.86247 LOL	17.16(M)
64	Fluoranthene	202	15.491	15.449	(1.144)	1857047	40.8286	812.4
65	Pyrene	202	15.827	15.786	(0.889)	1895532	36.6722	729.7
$ 66	Terphenyl-d14	244	16.196	16.170	(0.910)	369518	11.7147	234.3
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.782	17.736	(0.999)	670384	16.6936	332.2
* 69	Chrysene-d12	240	17.804	17.762	(1.000)	607363	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.836	17.800	(1.002)	784020	19.3795	385.6
72	bis(2-Ethylhexyl)phthalate	149	18.151	18.120	(0.951)	88833	2.80575	55.83(M)
* 134	Di-n-octylphthalate-d4	153	19.086	19.044	(1.000)	1212836	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.428	19.365	(0.974)	603030	15.1452	301.4(M)
75	Benzo(k)fluoranthene	252	19.433	19.402	(0.975)	539348	12.1776	242.3(M)
76	Benzo(a)pyrene	252	19.855	19.792	(0.996)	561890	15.5000	308.4
* 77	Perylene-d12	264	19.941	19.872	(1.000)	640154	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.282	21.213	(1.067)	375699	8.27193	164.6(M)
79	Dibenzo(a,h)anthracene	278	21.303	21.251	(1.068)	124351	3.30372	65.74(M)
80	Benzo(g,h,i)perylene	276	21.565	21.502	(1.081)	430890	10.2693	204.3(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	9.689	9.680	(1.156)	78472	3.05729	60.84
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43f.d
Lab Smp Id: JU43F
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15850

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-B414-02-F
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	255466	7.62
27 Naphthalene-d8	860372	430186	1720744	912745	6.09
42 Acenaphthene-d10	494619	247310	989238	535361	8.24
59 Phenanthrene-d10	763854	381927	1527708	770770	0.91
69 Chrysene-d12	565991	282996	1131982	607363	7.31
134 Di-n-octylphthala	1274966	637483	2549932	1212836	-4.87
77 Perylene-d12	631478	315739	1262956	640154	1.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.06
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.11
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.13
59 Phenanthrene-d10	13.52	13.02	14.02	13.54	0.19
69 Chrysene-d12	17.76	17.26	18.26	17.80	0.23
134 Di-n-octylphthala	19.04	18.54	19.54	19.09	0.22
77 Perylene-d12	19.87	19.37	20.37	19.94	0.34

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

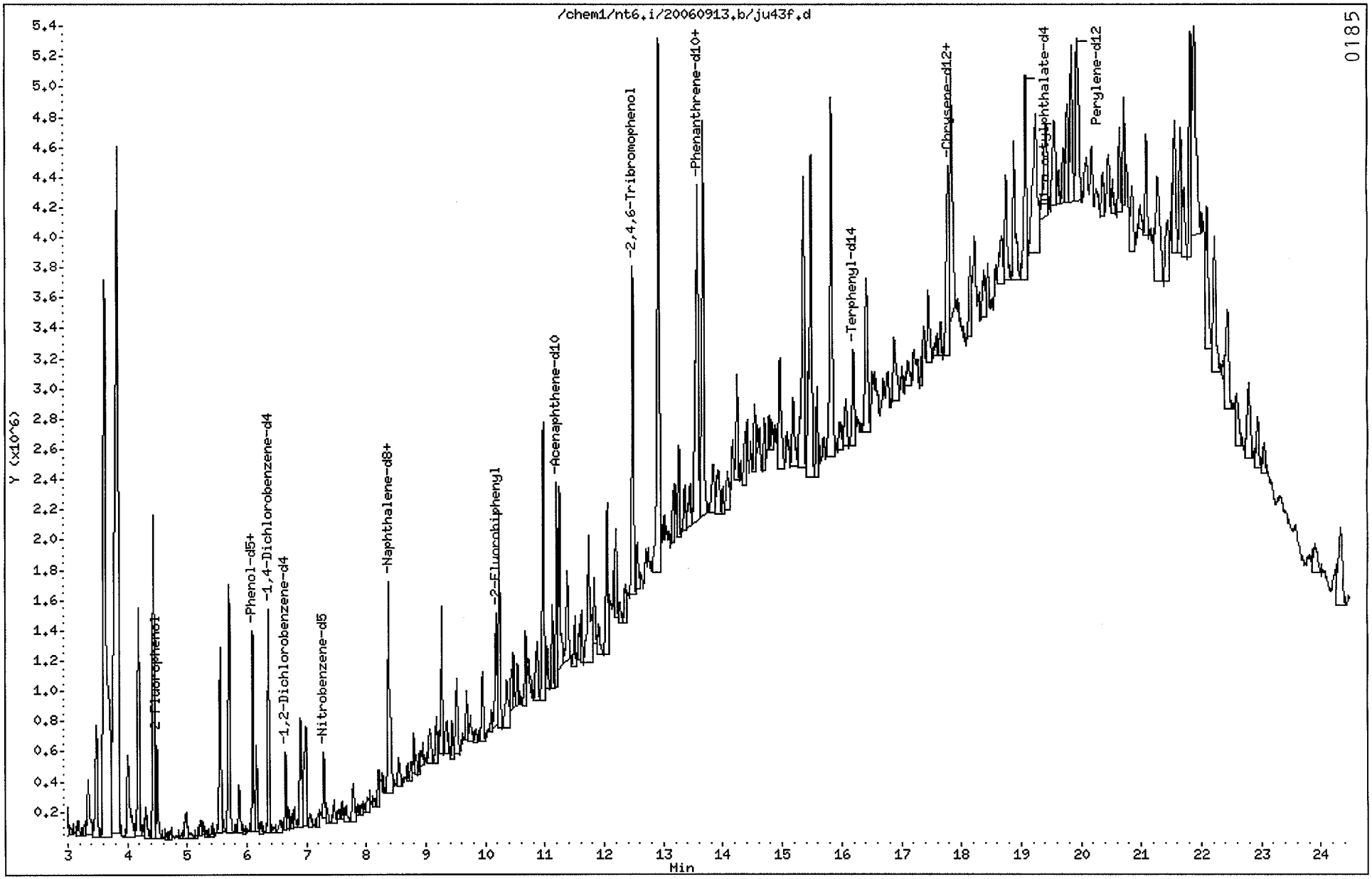
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43F
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15850

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-B414-02-F
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	746.2	301.6	40.42	22-91
$ 2 Phenol-d5	746.2	316.4	42.40	26-99
$ 5 2-Chlorophenol-d4	746.2	320.9	43.01	29-96
$ 10 1,2-Dichlorobenzen	497.5	210.6	42.34	24-87
$ 18 Nitrobenzene-d5	497.5	193.1	38.83	27-101
$ 36 2-Fluorobiphenyl	497.5	221.5	44.52	30-100
$ 55 2,4,6-Tribromophen	746.2	398.6	53.41	20-114
$ 66 Terphenyl-d14	497.5	234.3	47.10	12-120

Data File: /chem1/nt6.i/20060913.b/ju43f.d
Date : 13-SEP-2006 20:16
Client ID: T4-B414-02-F
Sample Info: JU43F
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43f.d

Date : 13-SEP-2006 20:16

Client ID: T4-B414-02-F

Instrument: nt6.i

Sample Info: JU43F

Volume Injected (uL): 1.0

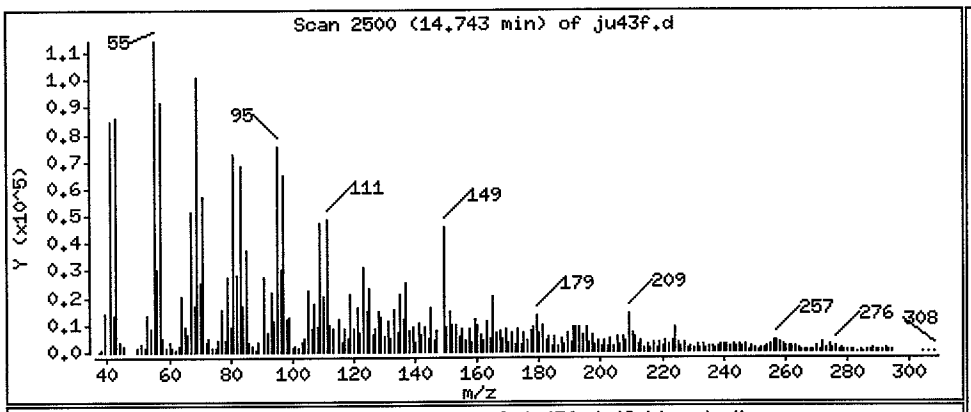
Operator: LJR/vts

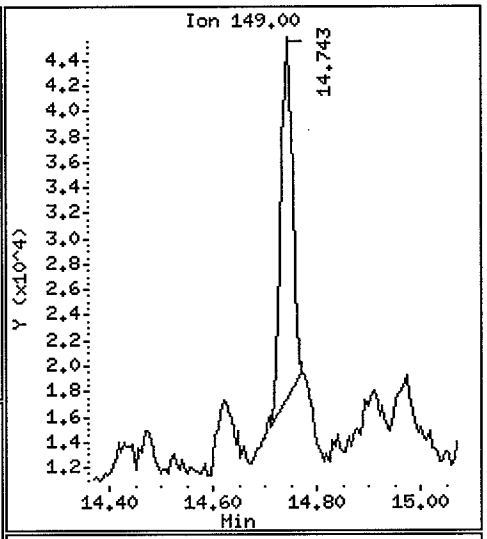
Column phase: ZB-5

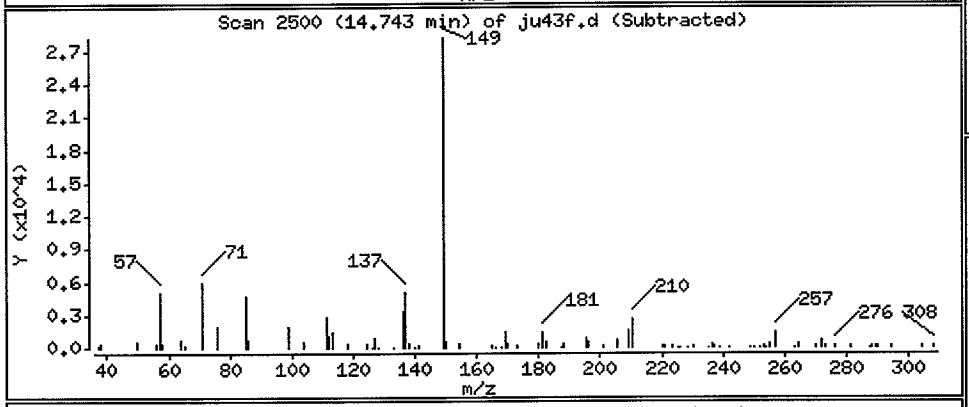
Column diameter: 0.32

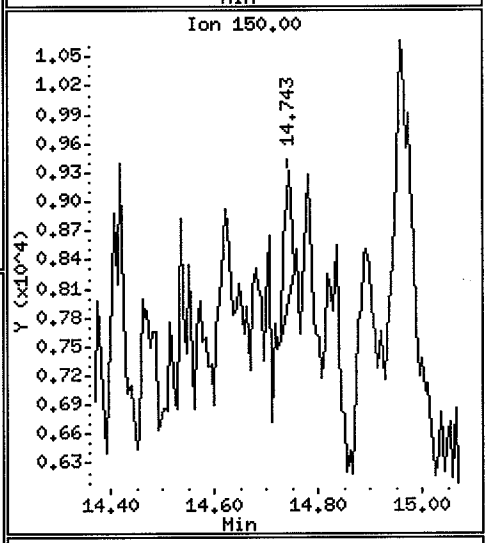
63 Di-n-butylphthalate

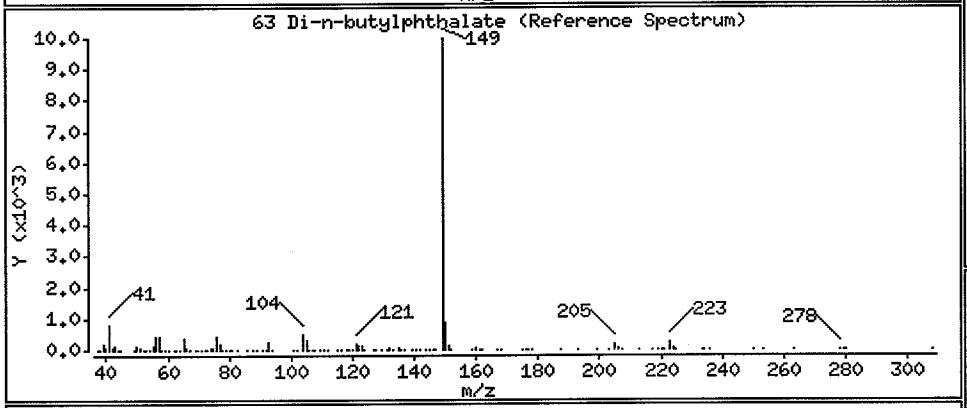
Concentration: 17.16 ug/kg

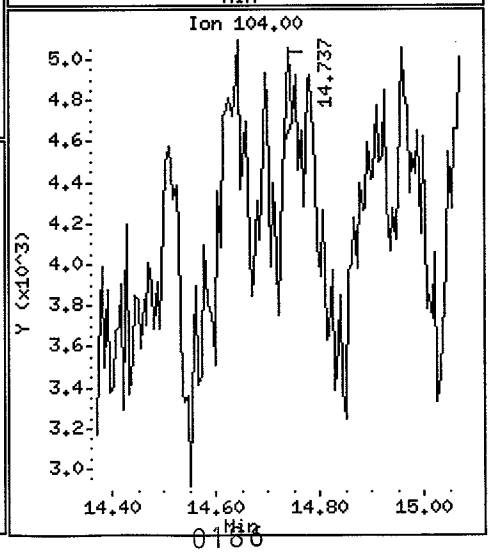


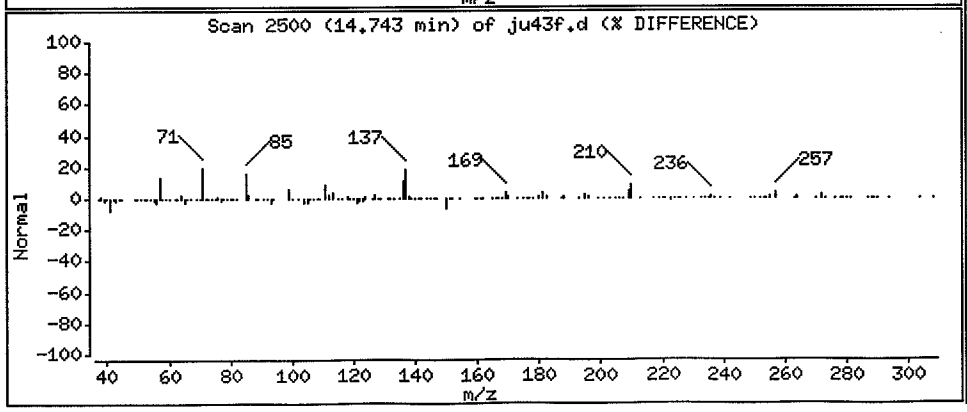












Data File: /chem1/nt6.i/20060913.b/ju43f.d

Date : 13-SEP-2006 20:16

Client ID: T4-B414-02-F

Instrument: nt6.i

Sample Info: JU43F

Volume Injected (uL): 1.0

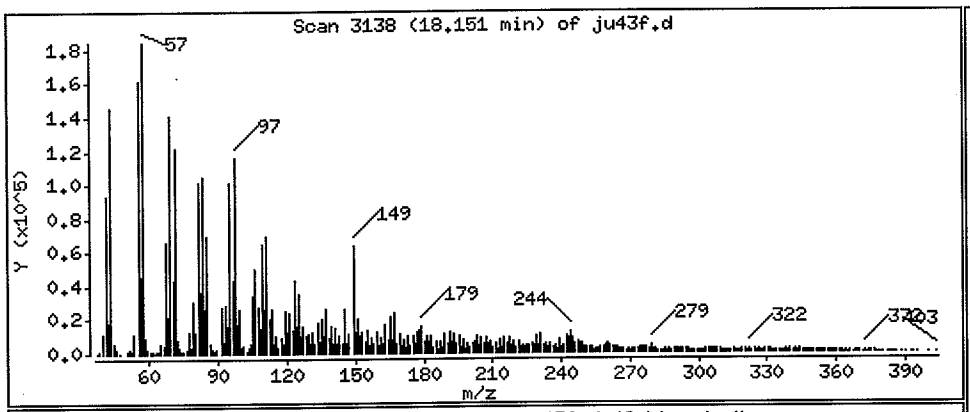
Operator: LJR/vts

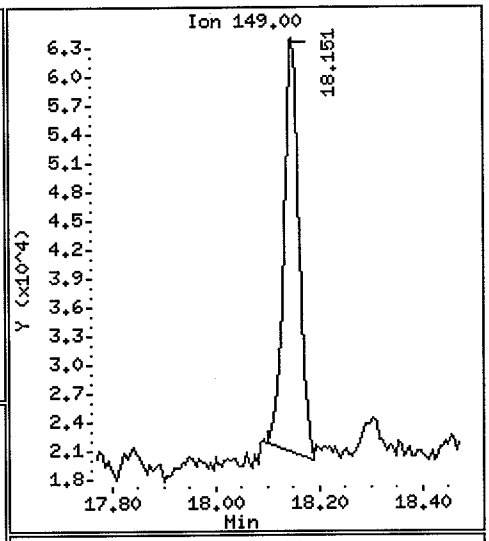
Column phase: ZB-5

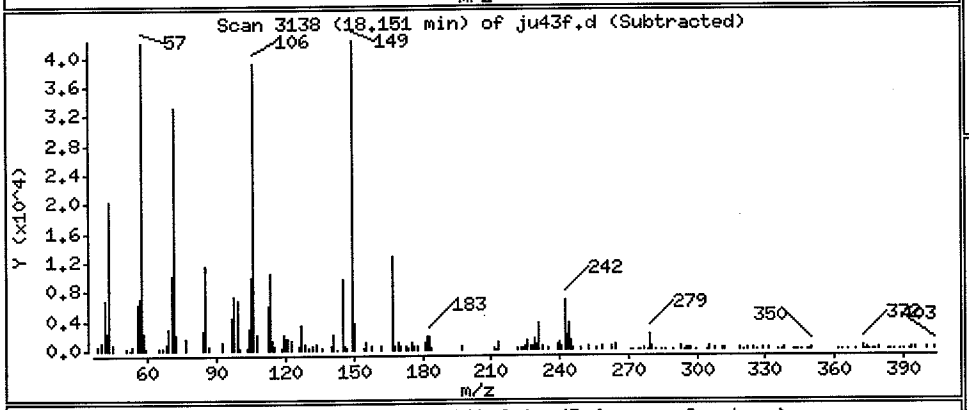
Column diameter: 0.32

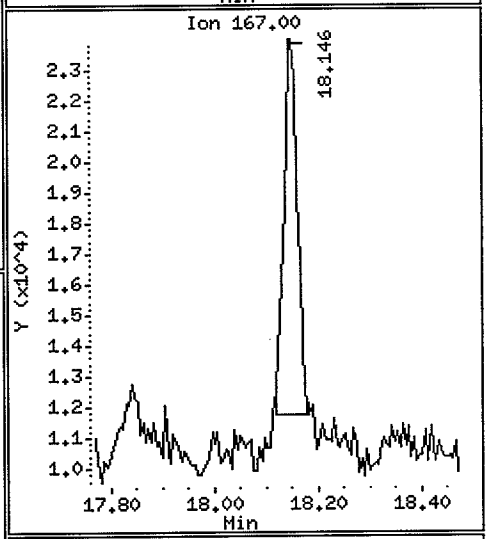
72 bis(2-Ethylhexyl)phthalate

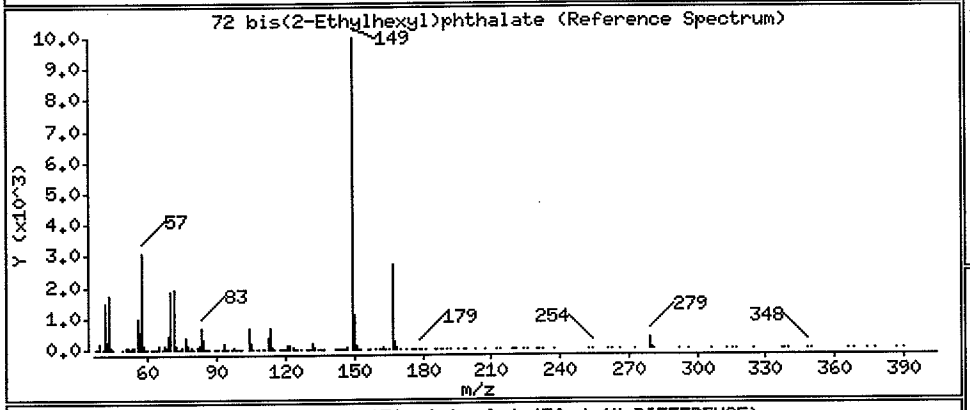
Concentration: 55.83 ug/kg

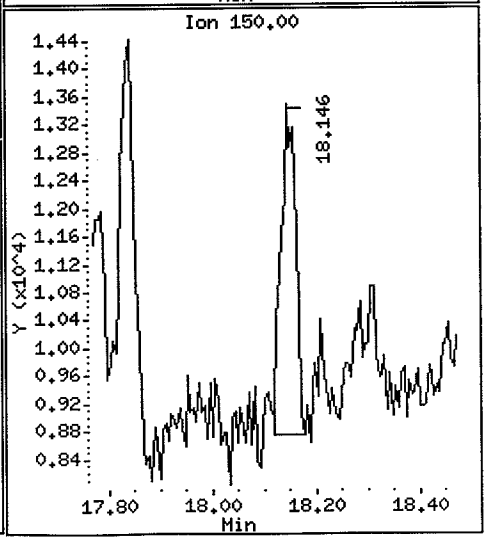


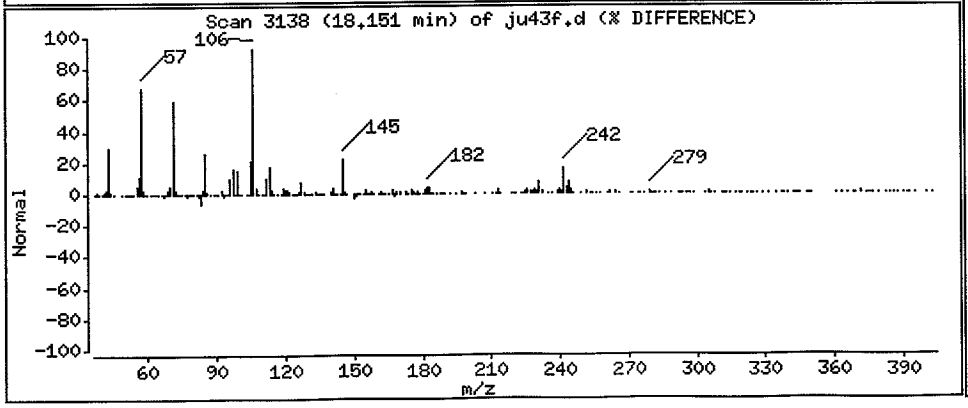












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-04-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43G
LIMS ID: 06-15851
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 20:49
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 50.5%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**45**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	46.4%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43g.d
Lab Smp Id: JU43G — Client Smp ID: T4-B414-04-D
Inj Date : 13-SEP-2006 20:49
Operator : LJR/vts — Inst ID: nt6.i
Smp Info : JU43G
Misc Info : 06-15851
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff — Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 — Cal File: 0400810.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE — Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	102.00000	Weight of sample extracted (g)
M	50.50000	% Moisture

Cpnd Variable — Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.509	4.455	(0.708)	333920	16.3941	324.7
$	2 Phenol-d5	99	6.117	6.068	(0.961)	409924	17.3415	343.5
	3 Phenol	94	6.133	6.084	(0.963)	52340	1.88764 (B)	37.39
$	5 2-Chlorophenol-d4	132	6.117	6.084	(0.961)	341881	17.8172	352.9
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.369	6.357	(1.000)	263122	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.657	6.645	(1.045)	136274	11.5844	229.4
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	7.245	7.222	(1.138)	17692	0.94485 LDL	18.71
$	18 Nitrobenzene-d5	82	7.293	7.286	(0.871)	247599	10.4183	206.3
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.377	8.355	(1.000)	505924	37.4236	741.2 (M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.377	8.371	(1.000)	965675	20.0000	
	28 Naphthalene	128	8.409	8.403	(1.004)	42528	0.77977 LDL	15.44
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.183	10.177	(0.909)	436025	11.7914	233.5
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.198	11.186	(1.000)	574208	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.246	11.240	(1.004)	45360	1.38654	27.46
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.502	11.501	(1.027)	22569	0.51796 LDL	10.26
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	12.053	12.046	(1.076)	30099	0.82856 LDL	16.41 (M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.485	12.474	(1.115)	87407	21.5824	427.5
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.527	13.515	(1.000)	850884	20.0000	
	60 Phenanthrene	178	13.559	13.553	(1.002)	245611	4.61402	91.38
	61 Anthracene	178	13.629	13.622	(1.008)	47335	0.93055 LDL	18.43
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	14.734	14.717	(1.089)	49379	0.84740 LDL	16.78
64	Fluoranthene	202	15.472	15.449	(1.144)	384005	7.64774	151.5
65	Pyrene	202	15.808	15.786	(0.889)	407407	7.36196	145.8
$ 66	Terphenyl-d14	244	16.187	16.170	(0.910)	391258	11.6450	230.6
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.763	17.736	(0.998)	155973	3.62773	71.85
* 69	Chrysene-d12	240	17.790	17.762	(1.000)	650262	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.822	17.800	(1.002)	194765	4.49662	89.06
72	bis(2-Ethylhexyl)phthalate	149	18.143	18.120	(0.951)	79431	2.27791	45.12(M)
* 134	Di-n-octylphthalate-d4	153	19.072	19.044	(1.000)	1335764	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.403	19.365	(0.974)	211706	5.15313	102.1(M)
75	Benzo(k)fluoranthene	252	19.414	19.402	(0.975)	169585	3.23982	64.17(M)
76	Benzo(a)pyrene	252	19.831	19.792	(0.995)	182158	4.87003	96.46
* 77	Perylene-d12	264	19.922	19.872	(1.000)	660514	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.257	21.213	(1.067)	142921	3.04976	60.40(M)
79	Dibenzo(a,h)anthracene	278	21.289	21.251	(1.069)	51137	1.31671	26.08(M)
80	Benzo(g,h,i)perylene	276	21.551	21.502	(1.082)	154769	3.57486	70.80(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43g.d
Lab Smp Id: JU43G
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15851

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-B414-04-D
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	263122	10.85
27 Naphthalene-d8	860372	430186	1720744	965675	12.24
42 Acenaphthene-d10	494619	247310	989238	574208	16.09
59 Phenanthrene-d10	763854	381927	1527708	850884	11.39
69 Chrysene-d12	565991	282996	1131982	650262	14.89
134 Di-n-octylphthala	1274966	637483	2549932	1335764	4.77
77 Perylene-d12	631478	315739	1262956	660514	4.60

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.37	0.18
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.08
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.10
59 Phenanthrene-d10	13.52	13.02	14.02	13.53	0.09
69 Chrysene-d12	17.76	17.26	18.26	17.79	0.16
134 Di-n-octylphthala	19.04	18.54	19.54	19.07	0.15
77 Perylene-d12	19.87	19.37	20.37	19.92	0.25

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

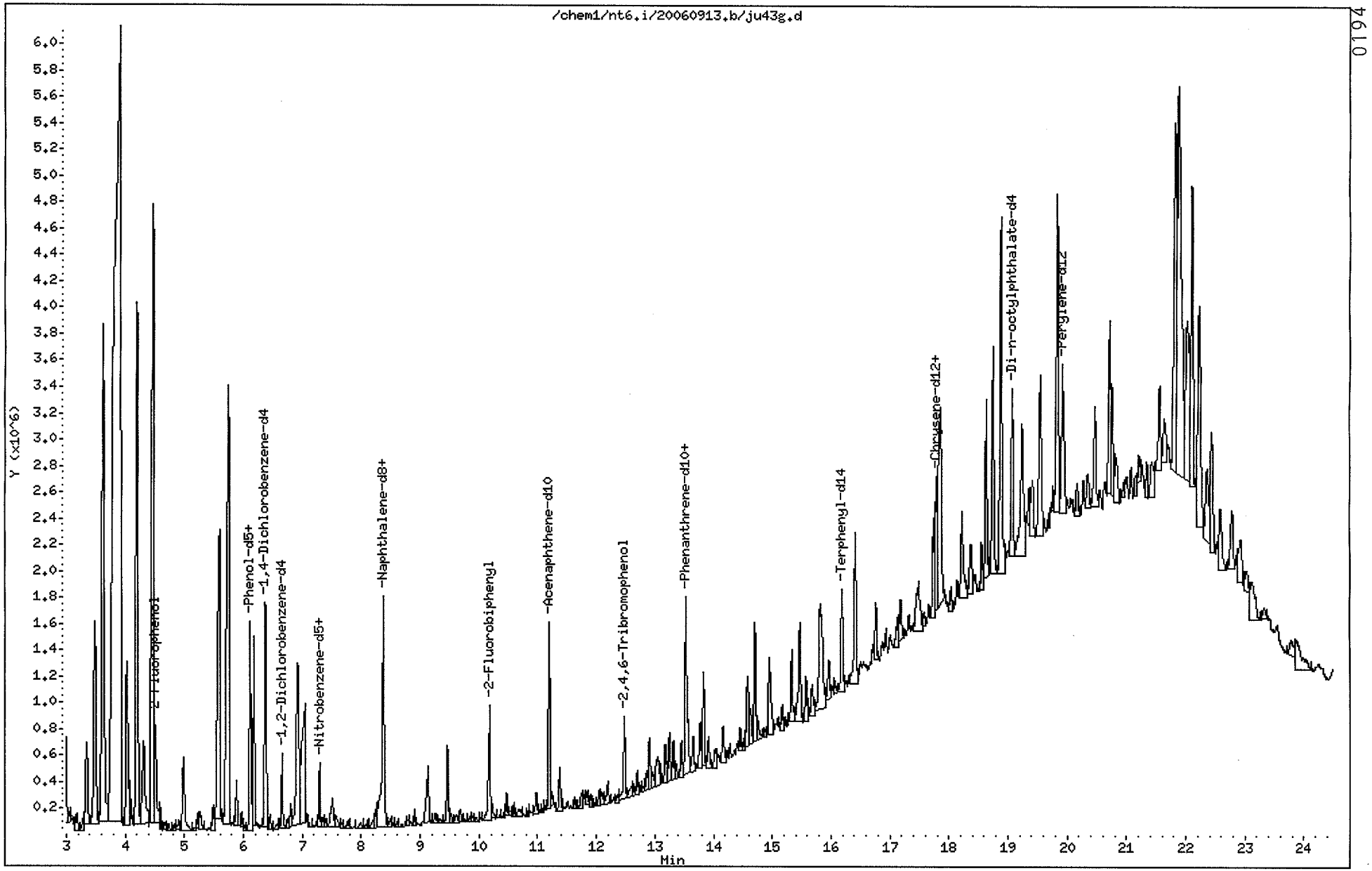
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43G
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15851

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-B414-04-D
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	742.7	324.7	43.72	22-91
$ 2 Phenol-d5	742.7	343.5	46.24	26-99
$ 5 2-Chlorophenol-d4	742.7	352.9	47.51	29-96
$ 10 1,2-Dichlorobenzen	495.1	229.4	46.34	24-87
$ 18 Nitrobenzene-d5	495.1	206.3	41.67	27-101
$ 36 2-Fluorobiphenyl	495.1	233.5	47.17	30-100
$ 55 2,4,6-Tribromophen	742.7	427.5	57.55	20-114
$ 66 Terphenyl-d14	495.1	230.6	46.58	12-120

Data File: /chem1/nt6.i/20060913.b/ju43g.d
Date : 13-SEP-2006 20:49
Client ID: T4-B414-04-D
Sample Info: JU43G
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43g.d

Date : 13-SEP-2006 20:49

Client ID: T4-B414-04-D

Instrument: nt6.i

Sample Info: JU43G

Volume Injected (uL): 1.0

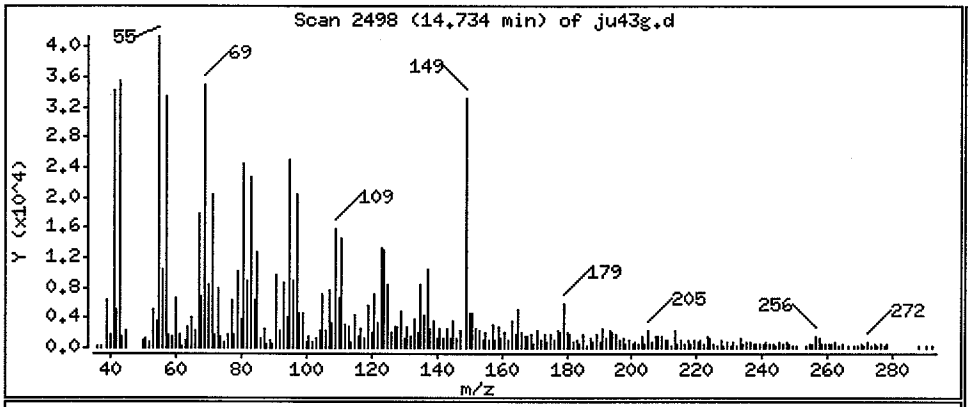
Operator: LJR/vts

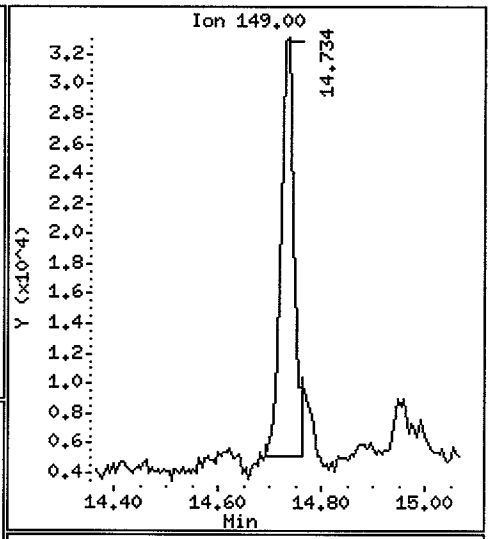
Column phase: ZB-5

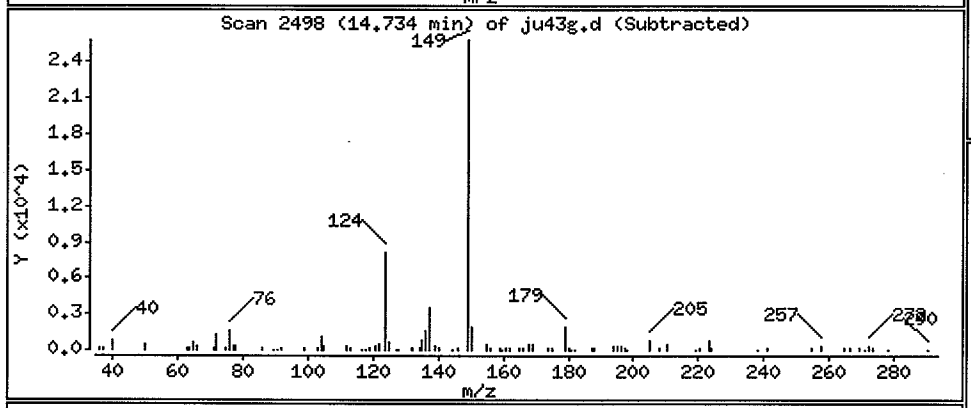
Column diameter: 0.32

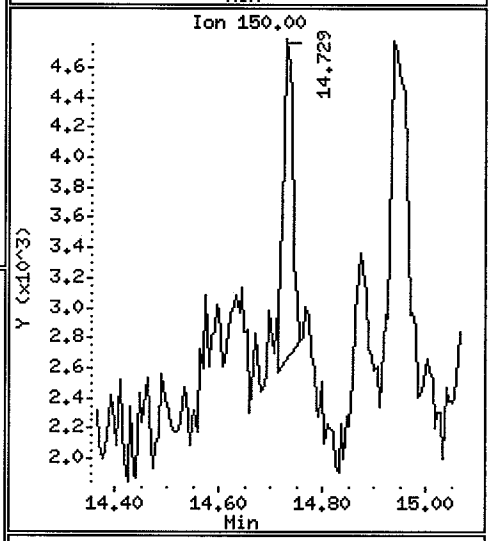
63 Di-n-butylphthalate

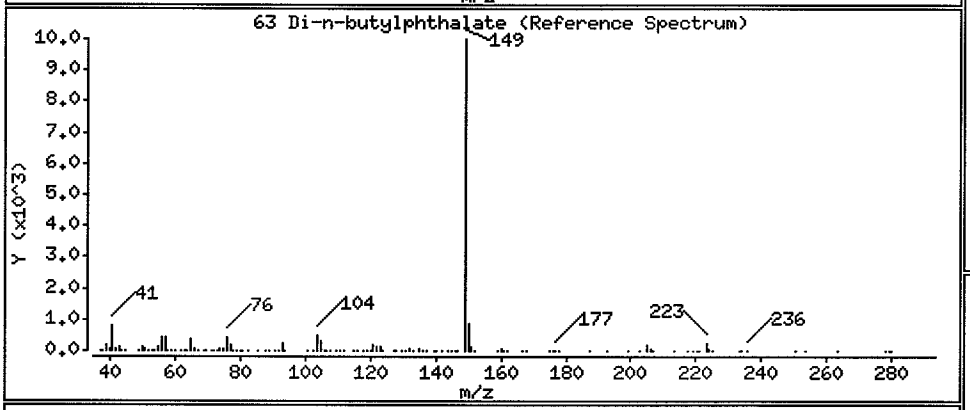
Concentration: 16.78 ug/kg

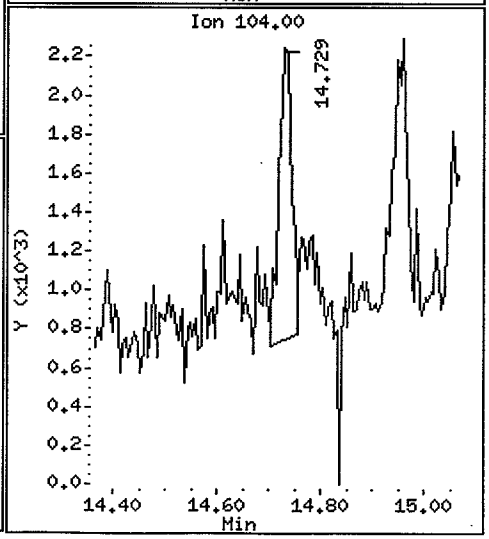


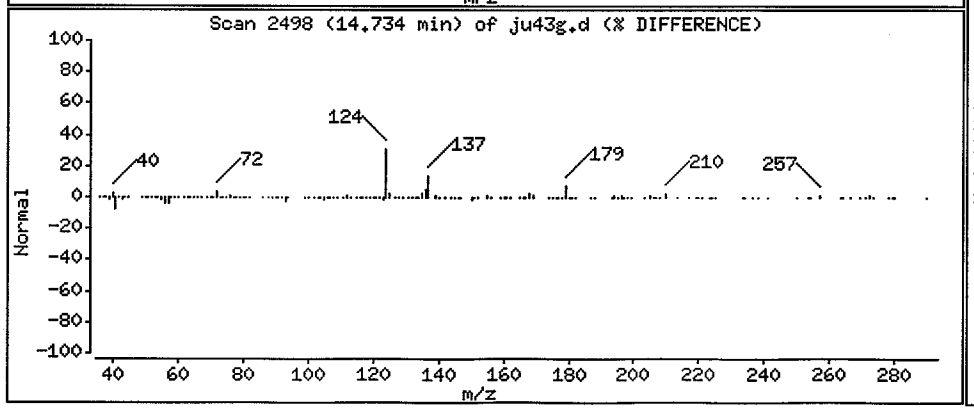












Data File: /chem1/nt6.i/20060913.b/ju43g.d

Date : 13-SEP-2006 20:49

Client ID: T4-B414-04-D

Instrument: nt6.i

Sample Info: JU43G

Volume Injected (uL): 1.0

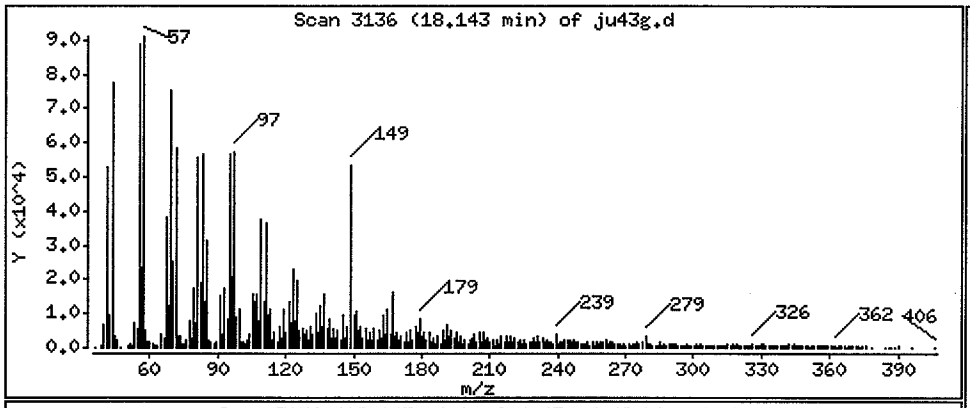
Operator: LJR/vts

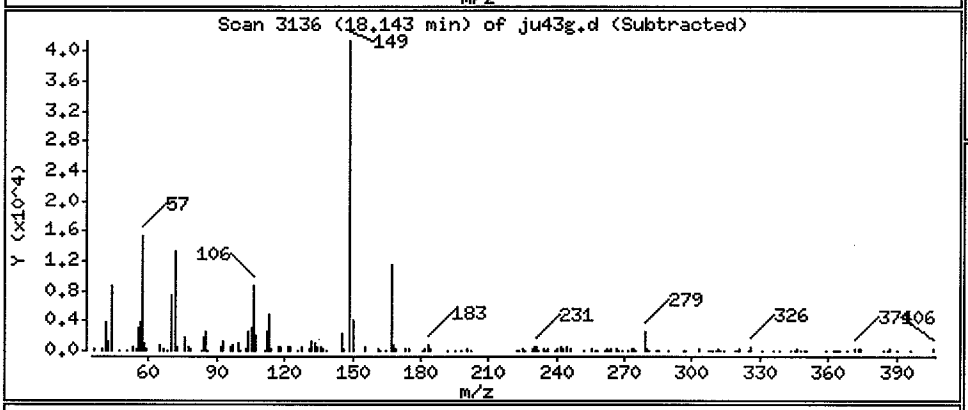
Column phase: ZB-5

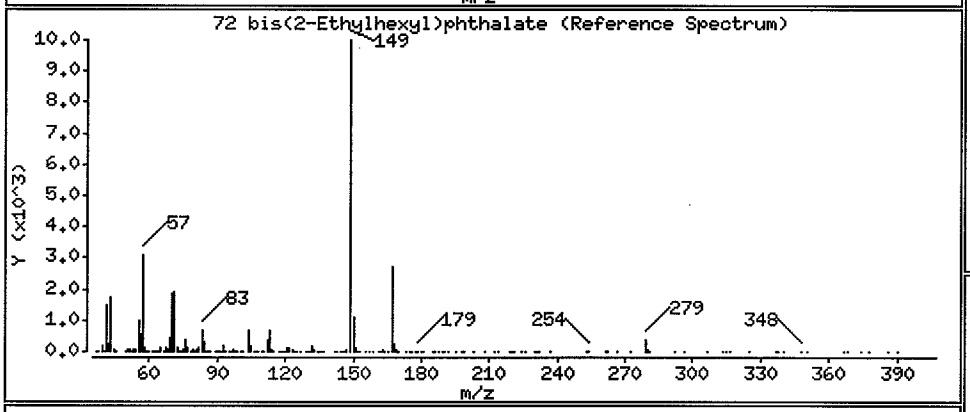
Column diameter: 0.32

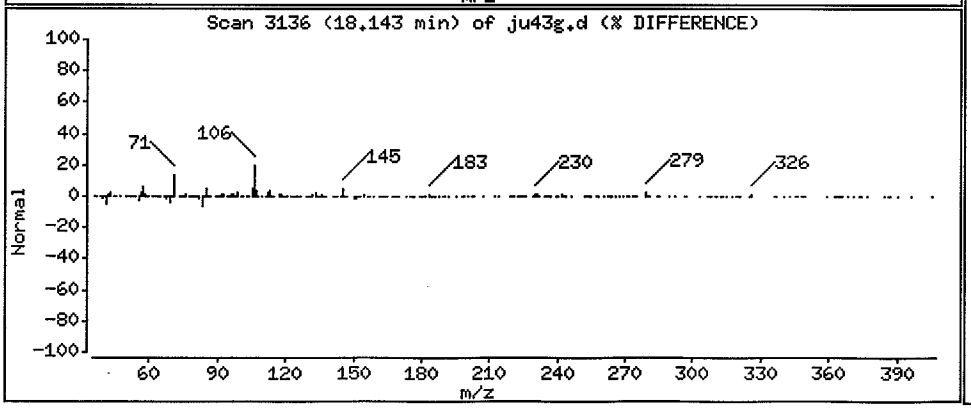
72 bis(2-Ethylhexyl)phthalate

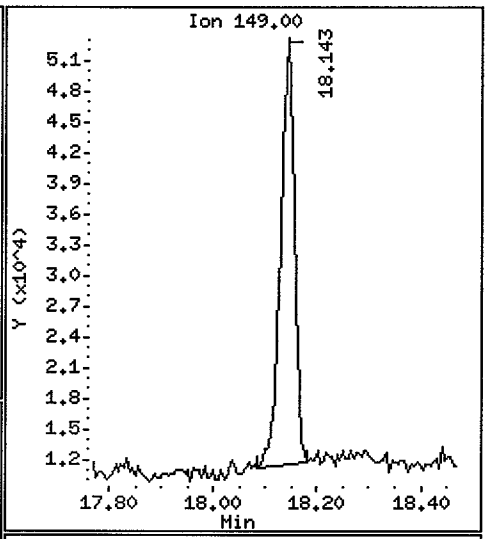
Concentration: 45.12 ug/kg

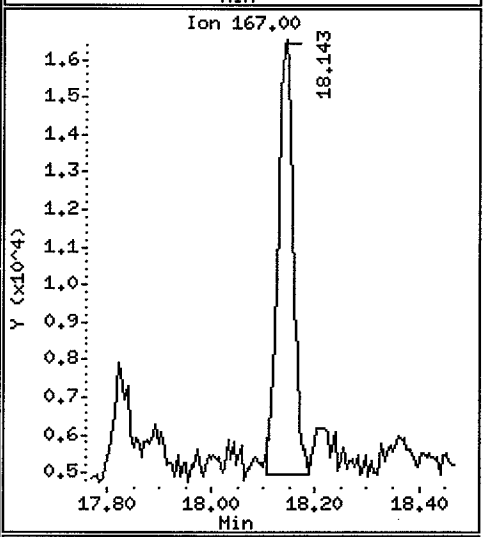


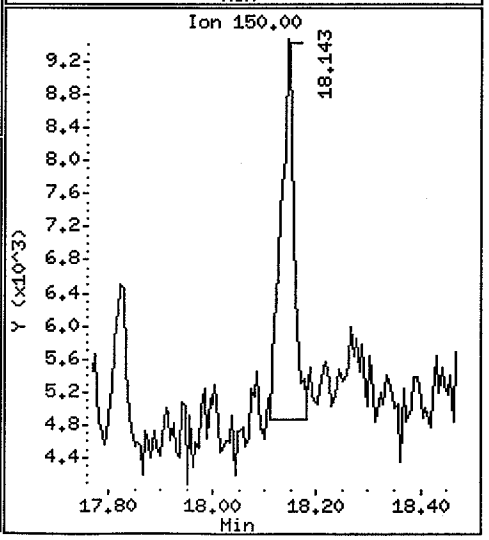












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-04-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43H
LIMS ID: 06-15852
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 21:21
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 45.5%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**120**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	40.4%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43h.d
Lab Smp Id: JU43H Client Smp ID: T4-B414-04-E
Inj Date : 13-SEP-2006 21:21
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43H
Misc Info : 06-15852
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	92.10000	Weight of sample extracted (g)
M	45.50000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.510	4.455	(0.709)	275050	13.7645	274.2
$	2 Phenol-d5	99	6.107	6.068	(0.960)	327561	14.1246	281.4
	3 Phenol	94	6.123	6.084	(0.962)	136704	5.02538 B	100.1
$	5 2-Chlorophenol-d4	132	6.113	6.084	(0.961)	278112	14.7736	294.3
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.364	6.357	(1.000)	258140	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.657	6.645	(1.046)	111633	9.67290	192.7
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	7.245	7.222	(1.139)	20765	1.13037	22.52
$	18 Nitrobenzene-d5	82	7.293	7.286	(0.871)	200937	8.88119	176.9
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.388	8.355	(1.001)	624963	48.5599	967.4(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.378	8.371	(1.000)	919321	20.0000	
	28 Naphthalene	128	8.410	8.403	(1.004)	93375	1.81119	36.08
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	9.521	9.514	(1.136)	20313	0.80008 LOL	15.94(M)
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.183	10.177	(0.909)	342725	10.0152	199.5
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	10.942	10.935	(0.977)	29102	0.60009 LOL	11.96(M)
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.198	11.186	(1.000)	531388	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.246	11.240	(1.004)	113722	3.75630	74.83
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.503	11.501	(1.027)	53705	1.33185	26.53
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	12.053	12.046	(1.076)	68146	2.02708	40.38(M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.480	12.474	(1.114)	68647	18.3161	364.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.533	13.515	(1.000)	790760	20.0000	
	60 Phenanthrene	178	13.565	13.553	(1.002)	701511	15.0257	299.3
	61 Anthracene	178	13.634	13.622	(1.008)	156237	3.30497	65.84
	62 Carbazole	167	13.955	13.937	(1.031)	99898	2.18599	43.55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	14.735	14.717	(1.089)	32878	0.60713 LDL	12.10(M)
64	Fluoranthene	202	15.483	15.449	(1.144)	1454660	31.1733	621.1(M)
65	Pyrene	202	15.819	15.786	(0.889)	1517435	29.1985	581.7
$ 66	Terphenyl-d14	244	16.193	16.170	(0.910)	318471	10.0932	201.1
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.774	17.736	(0.998)	877949	21.7440	433.2
* 69	Chrysene-d12	240	17.801	17.762	(1.000)	610666	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.839	17.800	(1.002)	984961	24.2147	482.4
72	bis(2-Ethylhexyl)phthalate	149	18.148	18.120	(0.951)	191340	5.80011	115.6(M)
* 134	Di-n-octylphthalate-d4	153	19.083	19.044	(1.000)	1263704	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.436	19.365	(0.975)	1057829	26.6375	530.7(M)
75	Benzo(k)fluoranthene	252	19.436	19.402	(0.975)	948567	24.4667	487.4(M)
76	Benzo(a)pyrene	252	19.863	19.792	(0.996)	964703	26.6819	531.6
* 77	Perylene-d12	264	19.938	19.872	(1.000)	638473	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.284	21.213	(1.068)	777485	17.1633	341.9(M)
79	Dibenzo(a,h)anthracene	278	21.306	21.251	(1.069)	285068	7.59354	151.3(M)
80	Benzo(g,h,i)perylene	276	21.573	21.502	(1.082)	778497	18.6025	370.6(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43h.d
Lab Smp Id: JU43H
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15852

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-B414-04-E
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	258140	8.75
27 Naphthalene-d8	860372	430186	1720744	919321	6.85
42 Acenaphthene-d10	494619	247310	989238	531388	7.43
59 Phenanthrene-d10	763854	381927	1527708	790760	3.52
69 Chrysene-d12	565991	282996	1131982	610666	7.89
134 Di-n-octylphthala	1274966	637483	2549932	1263704	-0.88
77 Perylene-d12	631478	315739	1262956	638473	1.11

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.11
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.08
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.11
59 Phenanthrene-d10	13.52	13.02	14.02	13.53	0.13
69 Chrysene-d12	17.76	17.26	18.26	17.80	0.22
134 Di-n-octylphthala	19.04	18.54	19.54	19.08	0.20
77 Perylene-d12	19.87	19.37	20.37	19.94	0.33

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

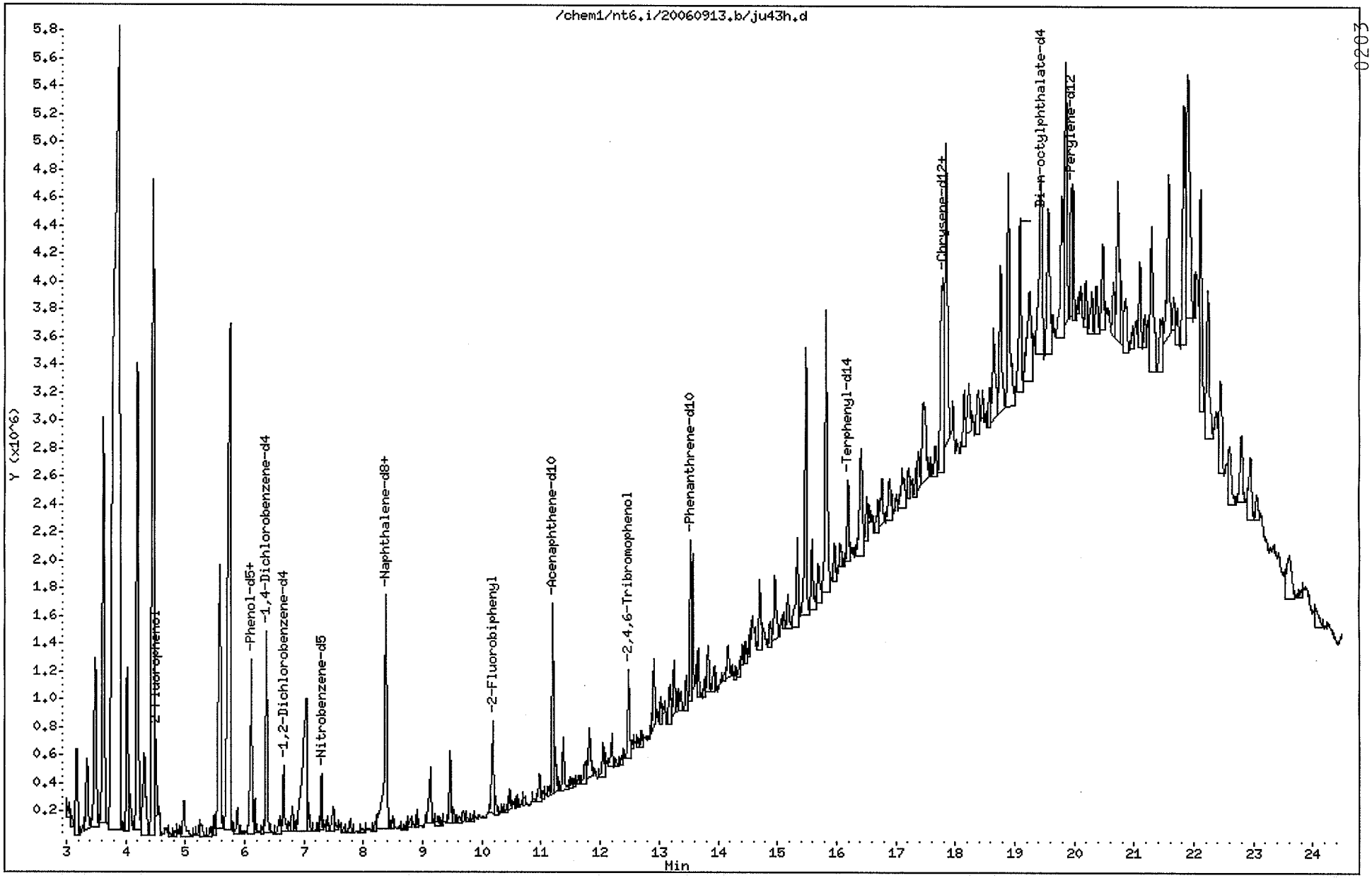
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43H
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15852

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-B414-04-E
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	747.1	274.2	36.71	22-91
$ 2 Phenol-d5	747.1	281.4	37.67	26-99
$ 5 2-Chlorophenol-d4	747.1	294.3	39.40	29-96
$ 10 1,2-Dichlorobenzen	498.1	192.7	38.69	24-87
$ 18 Nitrobenzene-d5	498.1	176.9	35.52	27-101
$ 36 2-Fluorobiphenyl	498.1	199.5	40.06	30-100
$ 55 2,4,6-Tribromophen	747.1	364.9	48.84	20-114
$ 66 Terphenyl-d14	498.1	201.1	40.37	12-120

Data File: /chem1/nt6.i/20060913.b/ju43h.d
Date : 13-SEP-2006 21:21
Client ID: T4-B414-04-E
Sample Info: JU43H
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43h.d

Date : 13-SEP-2006 21:21

Client ID: T4-B414-04-E

Instrument: nt6.i

Sample Info: JU43H

Volume Injected (uL): 1.0

Operator: LJR/vts

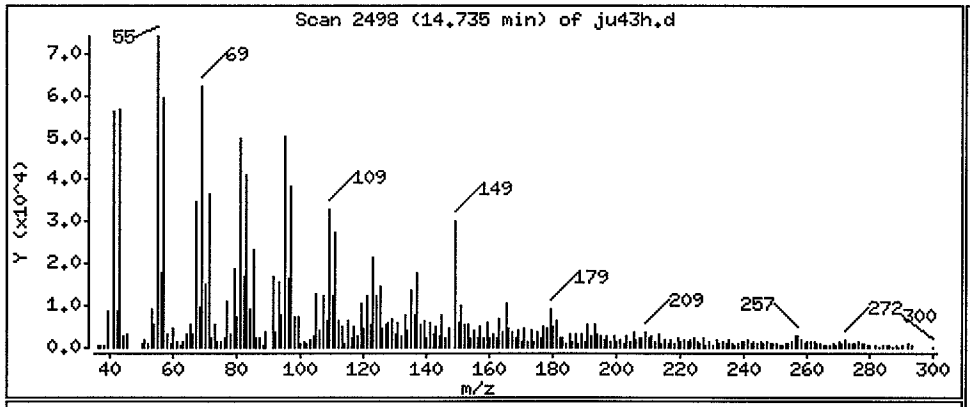
Column phase: ZB-5

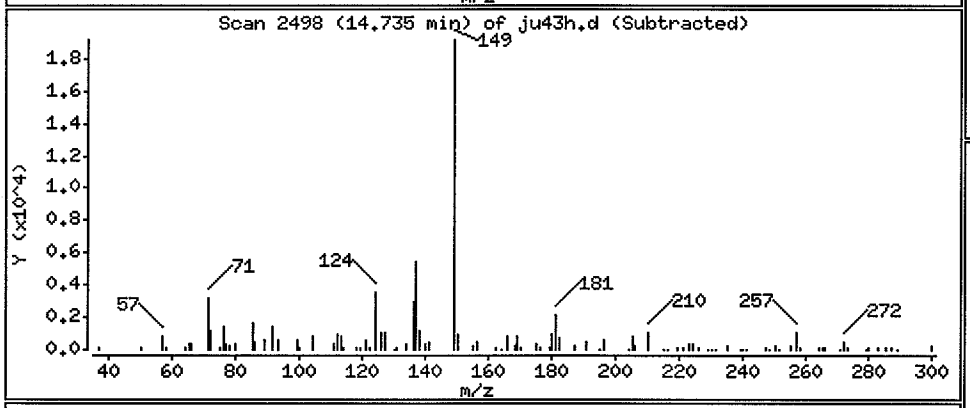
Column diameter: 0.32

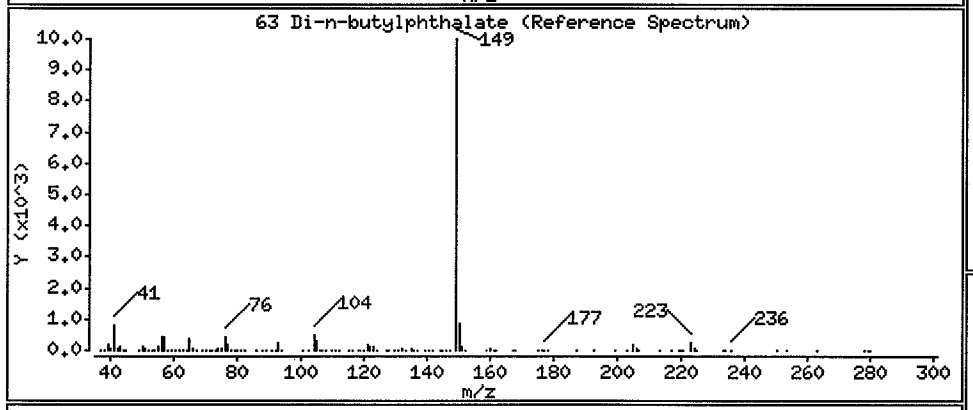
63 Di-n-butylphthalate

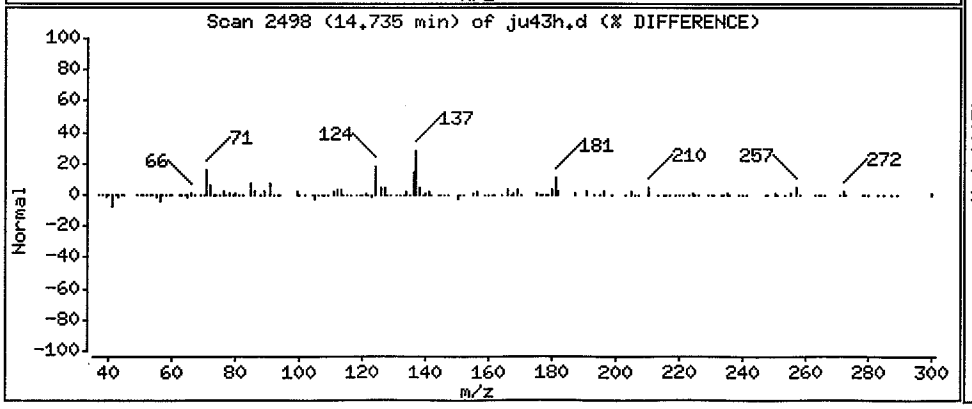
Concentration: 12.10 ug/kg

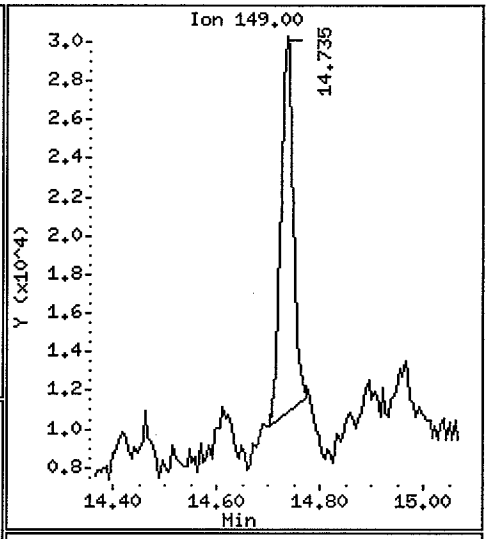
LJR

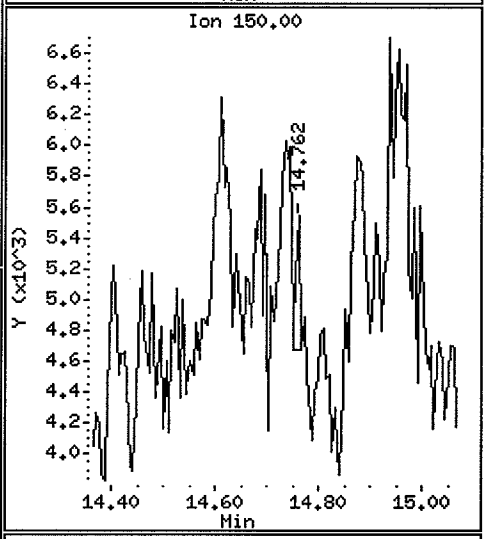


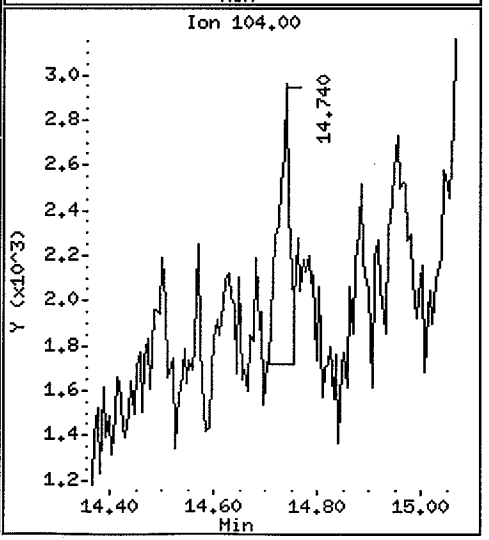












Data File: /chem1/nt6.i/20060913.b/ju43h.d

Date : 13-SEP-2006 21:21

Client ID: T4-B414-04-E

Instrument: nt6.i

Sample Info: JU43H

Volume Injected (uL): 1.0

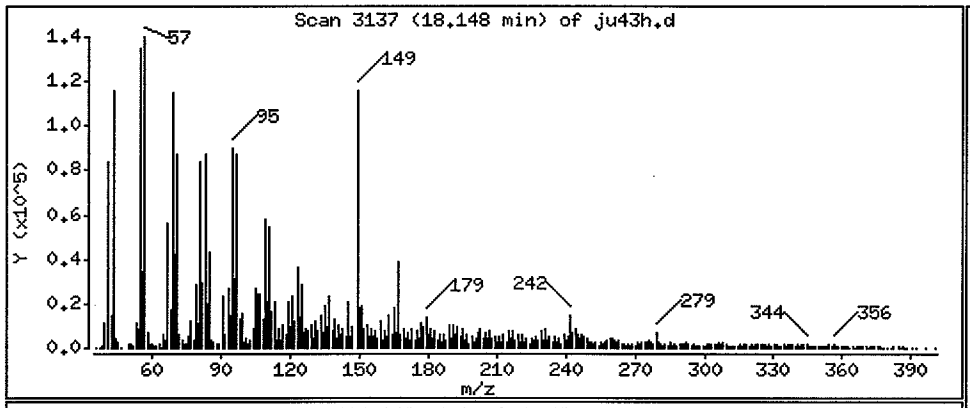
Operator: LJR/vts

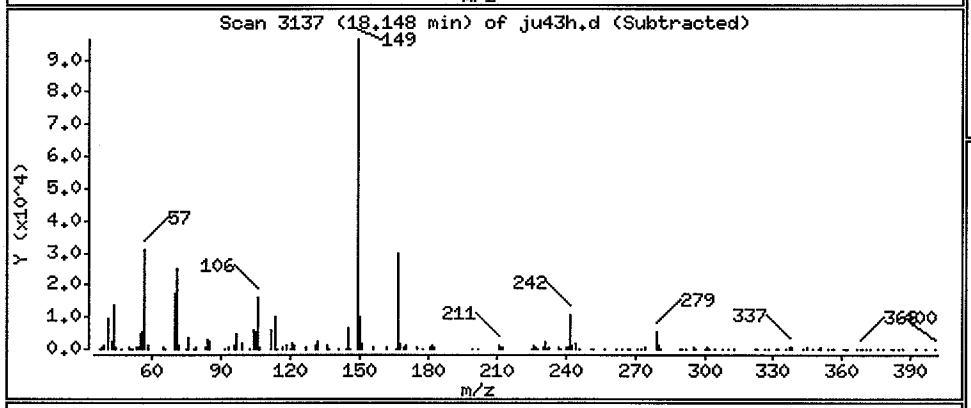
Column phase: ZB-5

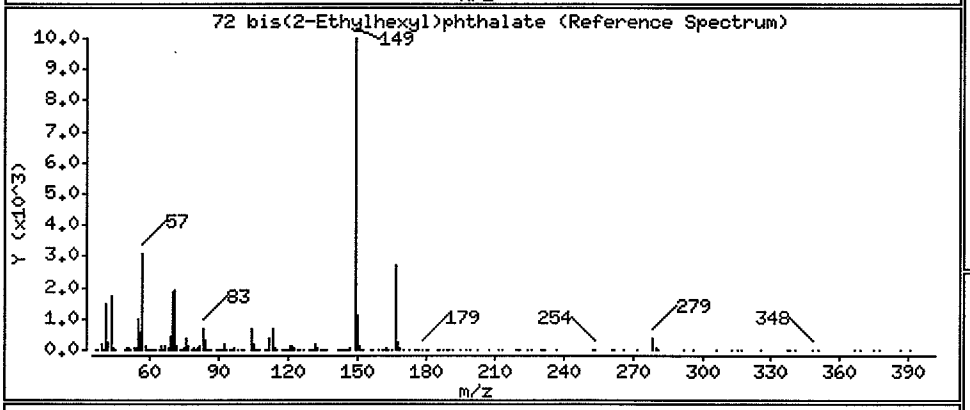
Column diameter: 0.32

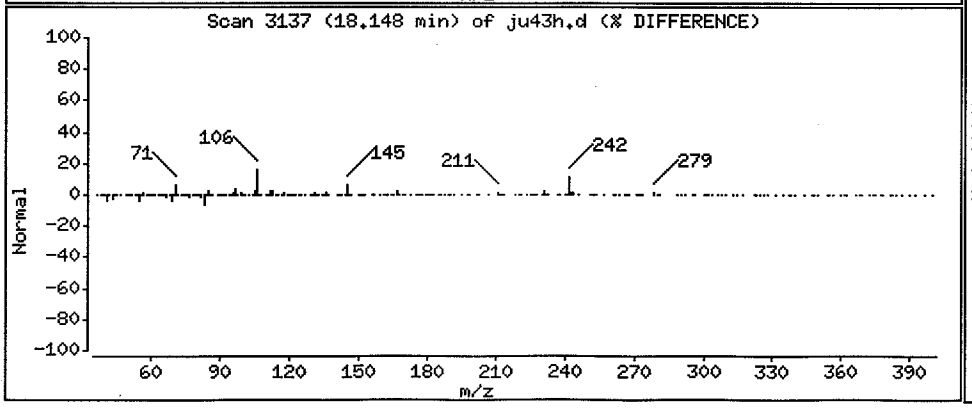
72 bis(2-Ethylhexyl)phthalate

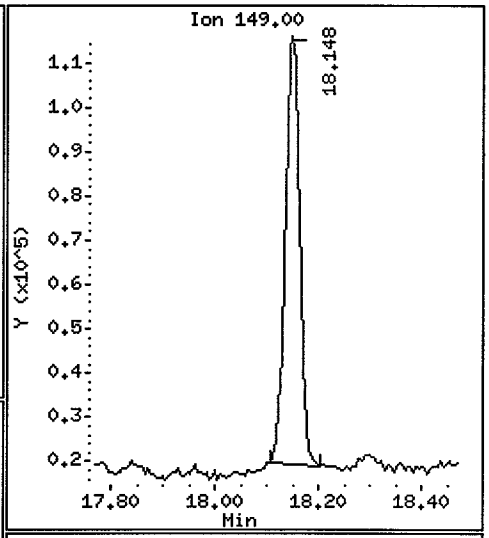
Concentration: 115.6 ug/kg

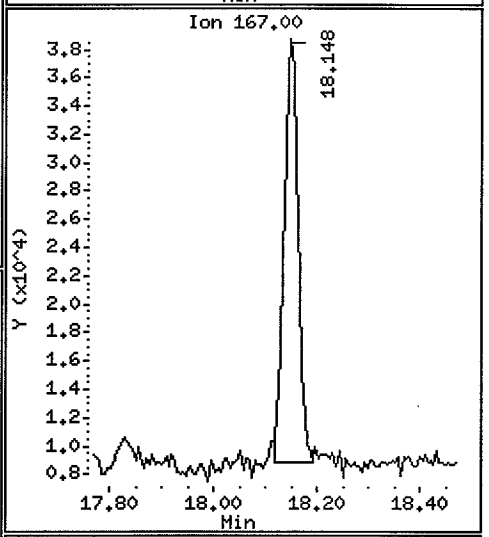


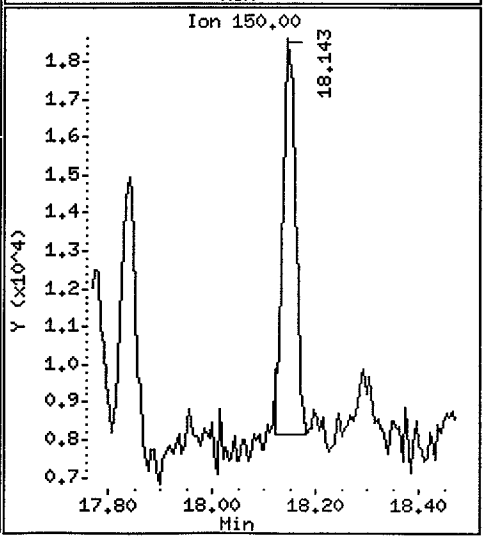












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-B414-04-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43I
LIMS ID: 06-15853
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 21:53
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 44.1%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**76**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	41.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43i.d
Lab Smp Id: JU43I Client Smp ID: T4-B414-04-F
Inj Date : 13-SEP-2006 21:53
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43I
Misc Info : 06-15853
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	90.30000	Weight of sample extracted (g)
M	44.10000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1	2-Fluorophenol	112	4.510	4.455	(0.709)	260748	14.5489	288.2
$ 2	Phenol-d5	99	6.107	6.068	(0.960)	315725	15.1794	300.7
3	Phenol	94	6.123	6.084	(0.962)	63502	2.60278 (D)	51.56
$ 5	2-Chlorophenol-d4	132	6.107	6.084	(0.960)	267837	15.8635	314.3
4	Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6	2-Chlorophenol	128	Compound Not Detected.					
7	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8	1,4-Dichlorobenzene-d4	152	6.364	6.357	(1.000)	231522	20.0000	
9	1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10	1,2-Dichlorobenzene-d4	152	6.652	6.645	(1.045)	106009	10.2416	202.9
12	1,2-Dichlorobenzene	146	Compound Not Detected.					
11	Benzyl alcohol	108	Compound Not Detected.					
14	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13	2-Methylphenol	108	Compound Not Detected.					
17	Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	7.245	7.222	(1.139)	18915	1.14804	22.74
$	18 Nitrobenzene-d5	82	7.293	7.286	(0.871)	192065	9.21501	182.6
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.367	8.355	(0.999)	472693	39.8694	789.8(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.378	8.371	(1.000)	846897	20.0000	
	28 Naphthalene	128	8.410	8.403	(1.004)	42955	0.89880 LDL	17.81
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	9.521	9.514	(1.136)	13515	0.57785 LDL	11.45
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.183	10.177	(0.909)	332629	10.3861	205.8
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.198	11.186	(1.000)	497316	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.246	11.240	(1.004)	40319	1.42300	28.19
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	11.508	11.501	(1.028)	22057	0.58447 LDL	11.58(M)
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	12.053	12.046	(1.076)	35499	1.12830	22.35
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.480	12.474	(1.114)	64975	18.5241	367.0
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.533	13.515	(1.000)	731543	20.0000	
	60 Phenanthrene	178	13.565	13.553	(1.002)	328035	7.28178	144.3
	61 Anthracene	178	13.634	13.622	(1.008)	64385	1.47222	29.17
	62 Carbazole	167	13.949	13.937	(1.031)	50183	1.18185	23.41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	14.735	14.717	(1.089)	31789	0.63454	12.57(M)
64	Fluoranthene	202	15.472	15.449	(1.143)	585624	13.5658	268.7
65	Pyrene	202	15.814	15.786	(0.889)	544439	11.2209	222.3
$ 66	Terphenyl-d14	244	16.188	16.170	(0.910)	304414	10.3336	204.7
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.769	17.736	(0.999)	266310	7.06457	140.0
* 69	Chrysene-d12	240	17.790	17.762	(1.000)	570132	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.828	17.800	(1.002)	343202	9.03728	179.0
72	bis(2-Ethylhexyl)phthalate	149	18.143	18.120	(0.951)	120853	3.85783	76.43(M)
* 134	Di-n-octylphthalate-d4	153	19.073	19.044	(1.000)	1200026	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.409	19.365	(0.974)	257910	6.88556	136.4(M)
75	Benzo(k)fluoranthene	252	19.409	19.402	(0.974)	397700	9.16844	181.6(M)
76	Benzo(a)pyrene	252	19.842	19.792	(0.996)	289547	8.49056	168.2
* 77	Perylene-d12	264	19.922	19.872	(1.000)	602211	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.263	21.213	(1.067)	227454	5.32348	105.5(M)
79	Dibenzo(a,h)anthracene	278	21.295	21.251	(1.069)	88278	2.49311	49.39(M)
80	Benzo(g,h,i)perylene	276	21.551	21.502	(1.082)	232703	5.89536	116.8(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43i.d
Lab Smp Id: JU43I
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15853

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-B414-04-F
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	231522	-2.47
27 Naphthalene-d8	860372	430186	1720744	846897	-1.57
42 Acenaphthene-d10	494619	247310	989238	497316	0.55
59 Phenanthrene-d10	763854	381927	1527708	731543	-4.23
69 Chrysene-d12	565991	282996	1131982	570132	0.73
134 Di-n-octylphthala	1274966	637483	2549932	1200026	-5.88
77 Perylene-d12	631478	315739	1262956	602211	-4.63

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.11
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.08
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.11
59 Phenanthrene-d10	13.52	13.02	14.02	13.53	0.13
69 Chrysene-d12	17.76	17.26	18.26	17.79	0.16
134 Di-n-octylphthala	19.04	18.54	19.54	19.07	0.15
77 Perylene-d12	19.87	19.37	20.37	19.92	0.25

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

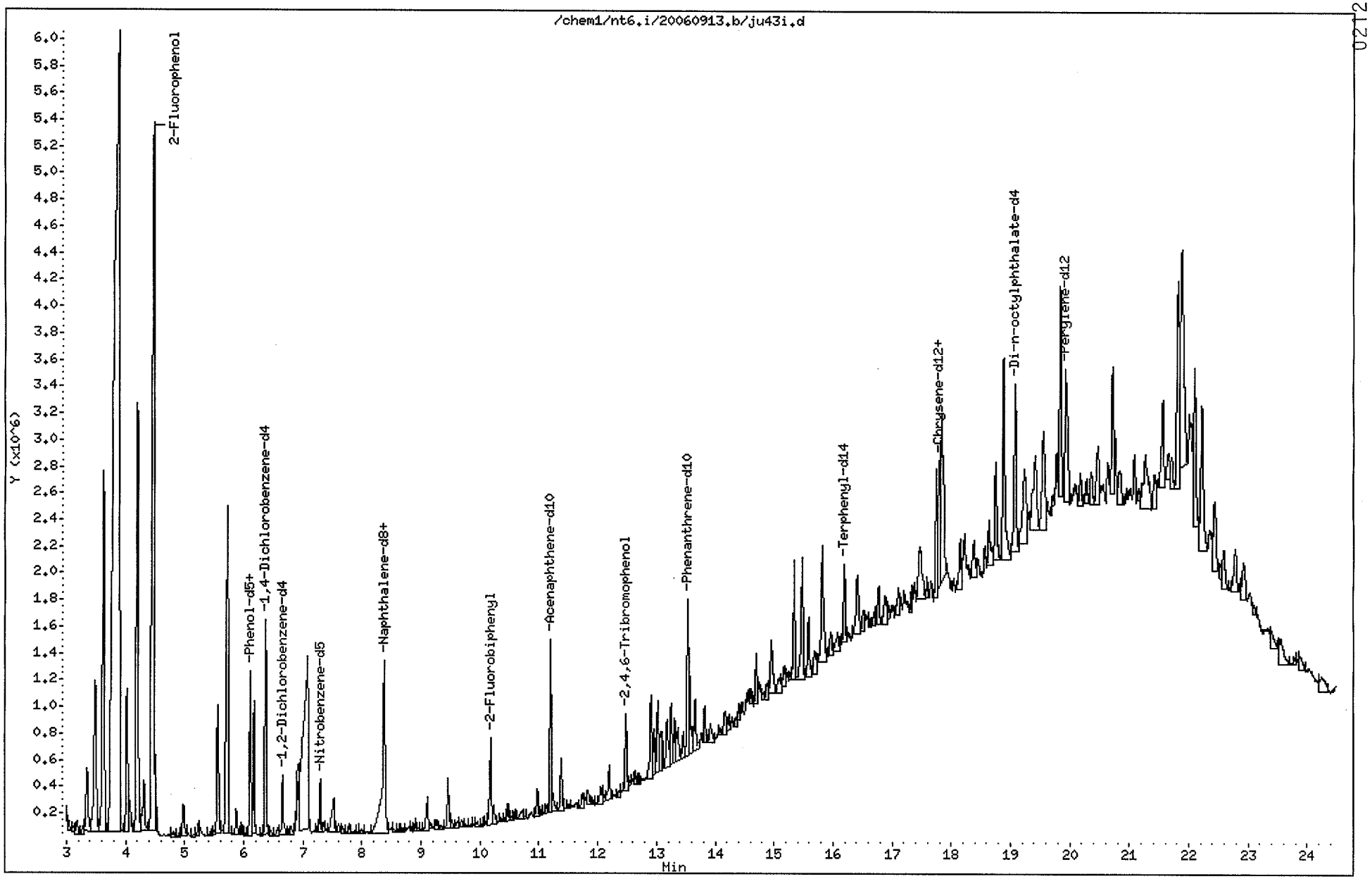
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43I
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15853

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-B414-04-F
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	742.9	288.2	38.80	22-91
$ 2 Phenol-d5	742.9	300.7	40.48	26-99
$ 5 2-Chlorophenol-d4	742.9	314.3	42.30	29-96
$ 10 1,2-Dichlorobenzen	495.3	202.9	40.97	24-87
$ 18 Nitrobenzene-d5	495.3	182.6	36.86	27-101
$ 36 2-Fluorobiphenyl	495.3	205.8	41.54	30-100
$ 55 2,4,6-Tribromophen	742.9	367.0	49.40	20-114
$ 66 Terphenyl-d14	495.3	204.7	41.33	12-120

Data File: /chem1/nt6.i/20060913.b/ju43i.d
Date : 13-SEP-2006 21:53
Client ID: T4-B414-04-F
Sample Info: JU43I
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43i.d

Date : 13-SEP-2006 21:53

Client ID: T4-B414-04-F

Instrument: nt6.i

Sample Info: JU43I

Volume Injected (uL): 1.0

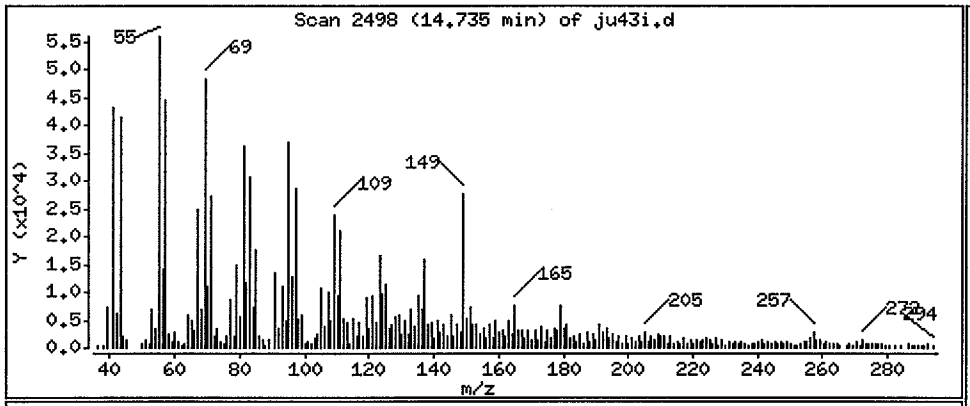
Operator: LJR/vts

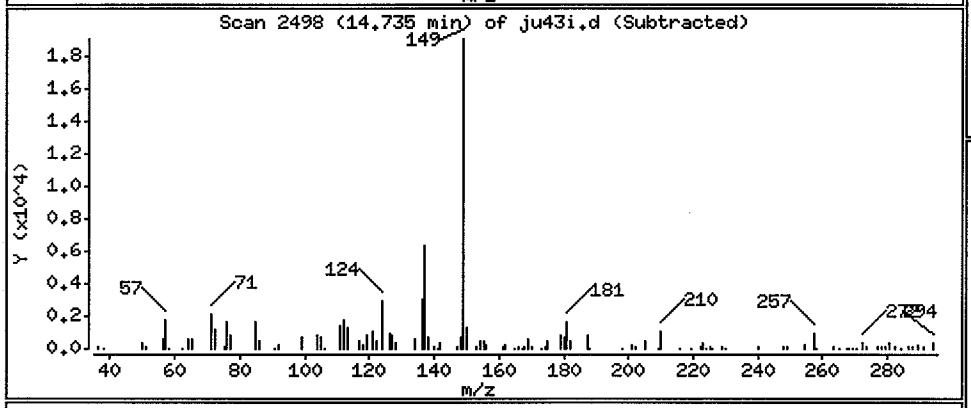
Column phase: ZB-5

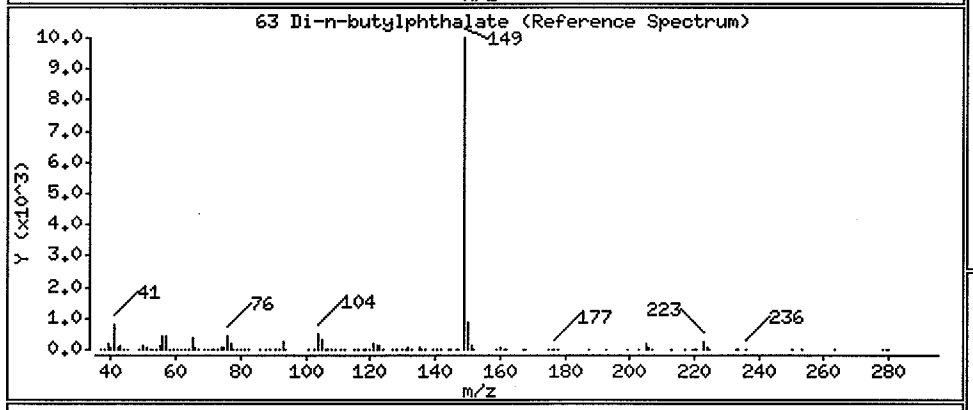
Column diameter: 0.32

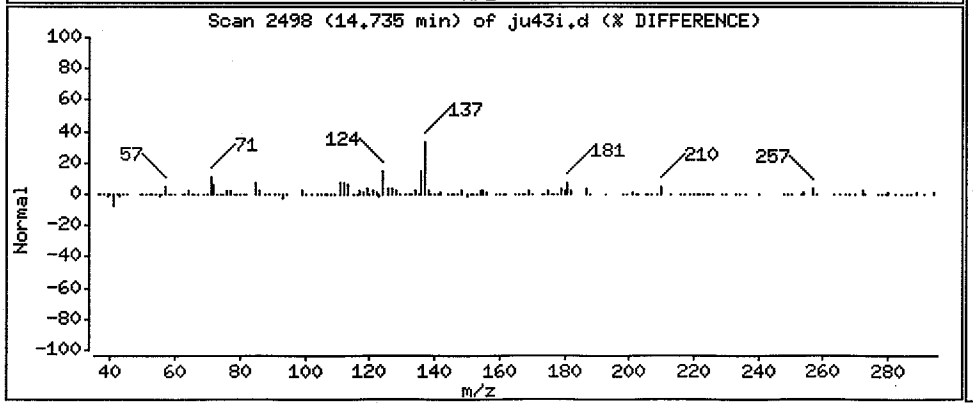
63 Di-n-butylphthalate

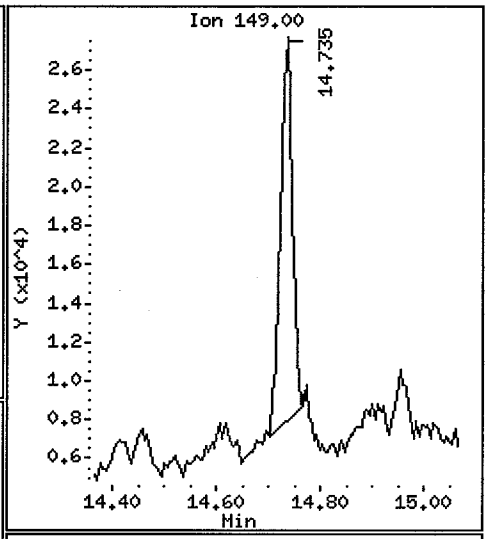
Concentration: 12.57 ug/kg

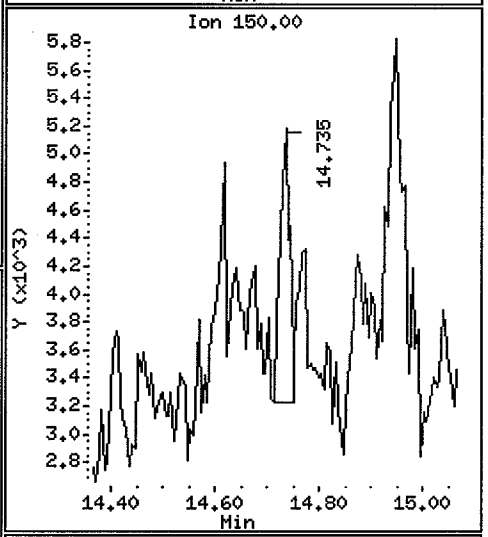


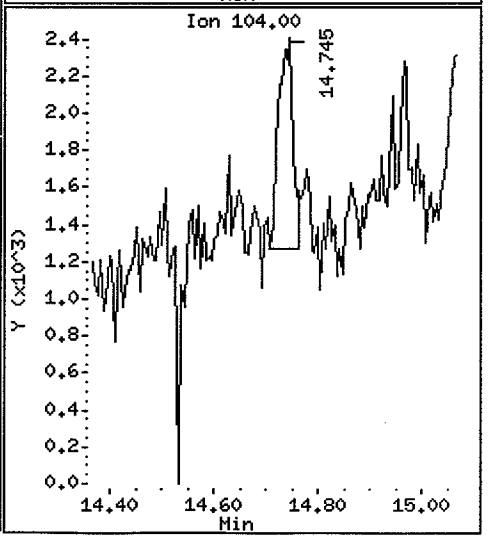












Data File: /chem1/nt6.i/20060913.b/ju43i.d

Date : 13-SEP-2006 21:53

Client ID: T4-B414-04-F

Instrument: nt6.i

Sample Info: JU43I

Volume Injected (uL): 1.0

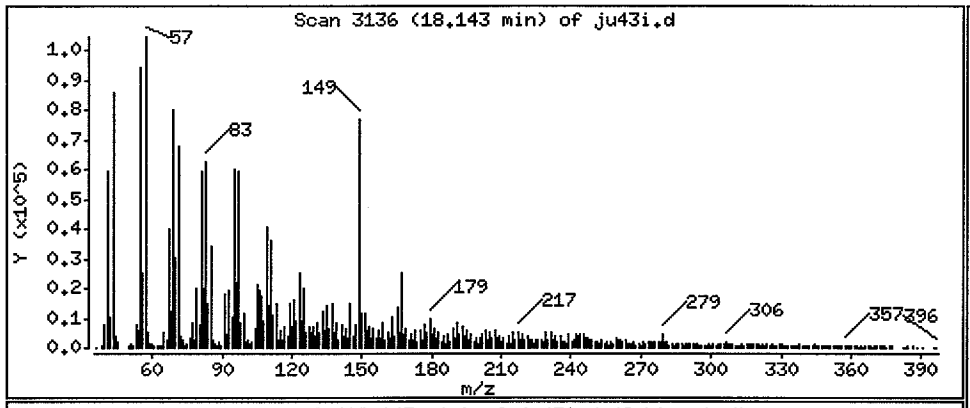
Operator: LJR/vts

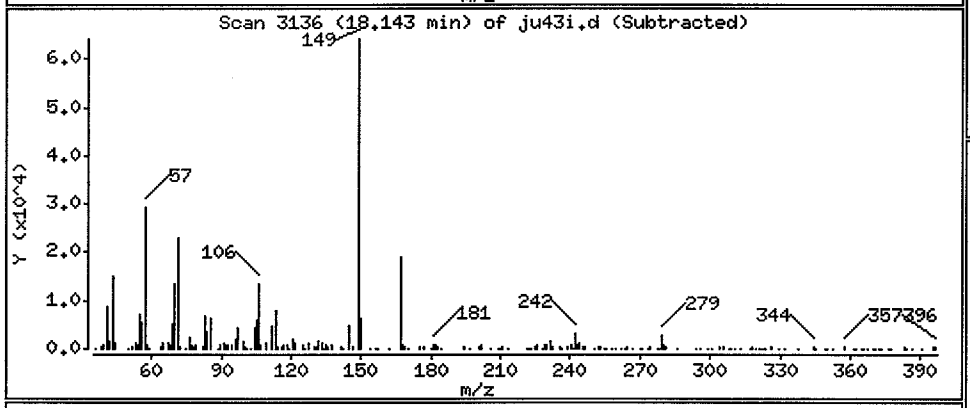
Column phase: ZB-5

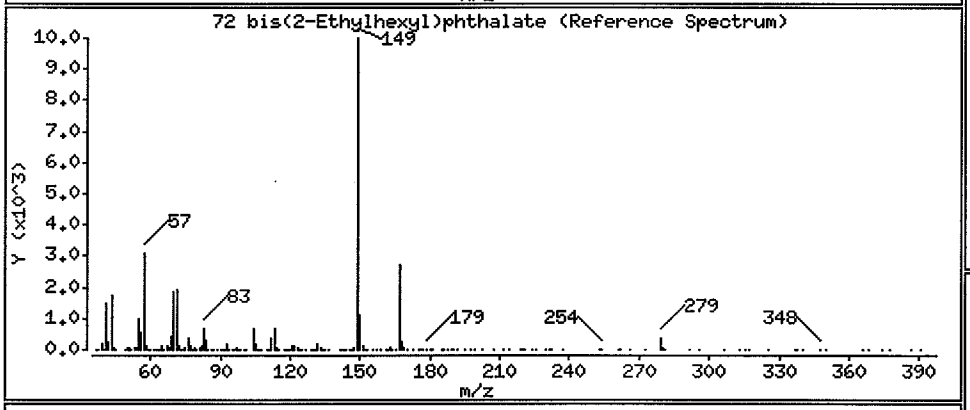
Column diameter: 0.32

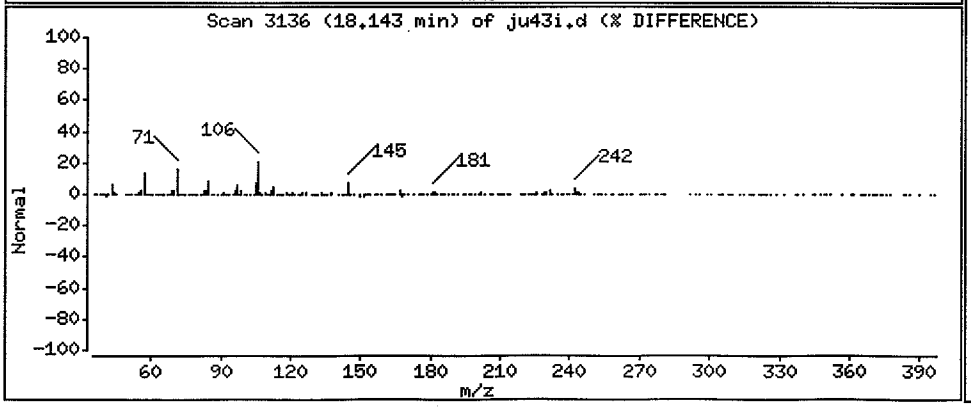
72 bis(2-Ethylhexyl)phthalate

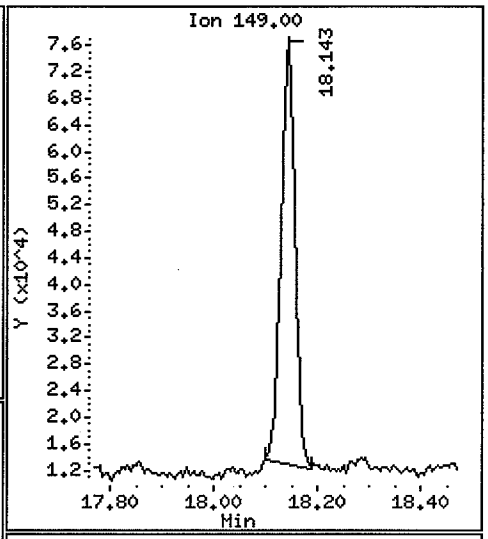
Concentration: 76.43 ug/kg

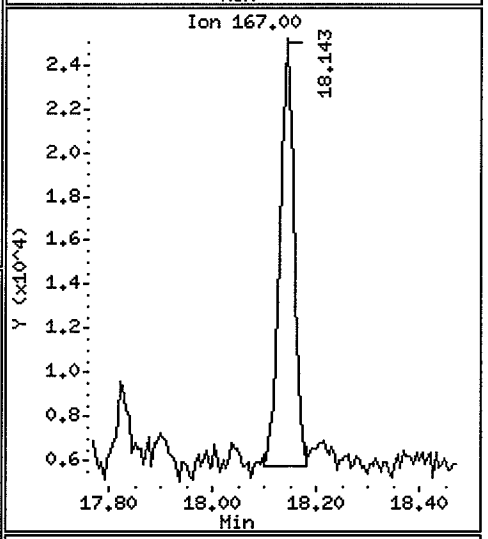


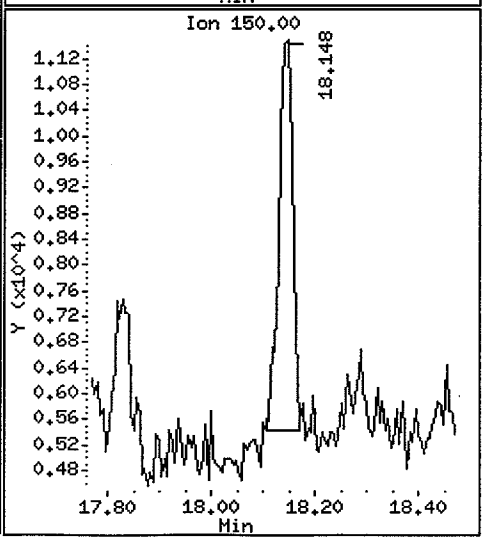












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-02-K**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43J
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 22:25
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 25.8%
pH: 6.2

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	64.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43j.d
Lab Smp Id: JU43J Client Smp ID: T4-S3-02-K
Inj Date : 13-SEP-2006 22:25
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43J
Misc Info : 06-15854
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m LJR 9/14/06
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	68.50000	Weight of sample extracted (g)
M	25.80000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.500	4.455	(0.707)	444909	21.9396	431.7
$	2 Phenol-d5	99	6.097	6.068	(0.958)	546079	23.2033	456.5
	3 Phenol	94	6.119	6.084	(0.961)	202702	7.34271 B	144.5
$	5 2-Chlorophenol-d4	132	6.108	6.084	(0.960)	459054	24.0292	472.8
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.365	6.357	(1.000)	261966	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.653	6.645	(1.045)	190212	16.2410	319.5
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.294	7.286	(0.871)	340789	14.4900	285.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.266	8.355	(0.987)	73505	5.49429 LPK	108.1(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.379	8.371	(1.000)	955644	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.184	10.177	(0.909)	590511	15.9983	314.8
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.199	11.186	(1.000)	573164	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.242	11.240	(1.004)	20224	0.61932 LOL	12.18(M)
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.481	12.474	(1.114)	117042	28.9525	569.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.528	13.515	(1.000)	852857	20.0000	
	60 Phenanthrene	178	13.560	13.553	(1.002)	96438	1.77588	34.94
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	14.730	14.717	(1.089)	44686	0.76509	15.05(M)
64	Fluoranthene	202	15.468	15.449	(1.143)	132333	2.62941	51.73
65	Pyrene	202	15.804	15.786	(0.889)	179151	3.14639	61.90
$ 66	Terphenyl-d14	244	16.183	16.170	(0.910)	553065	15.9985	314.8
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.754	17.736	(0.999)	59815	1.35214	26.60
* 69	Chrysene-d12	240	17.775	17.762	(1.000)	669053	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.813	17.800	(1.002)	79354	1.78062	35.03
72	bis(2-Ethylhexyl)phthalate	149	18.128	18.120	(0.951)	20424	0.53449	10.52(M)
* 134	Di-n-octylphthalate-d4	153	19.058	19.044	(1.000)	1463774	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.389	19.365	(0.974)	76577	1.74955	34.42(M)
75	Benzo(k)fluoranthene	252	19.399	19.402	(0.975)	53890	0.92313	18.16(M)
76	Benzo(a)pyrene	252	19.811	19.792	(0.995)	66696	1.67369	32.93
* 77	Perylene-d12	264	19.902	19.872	(1.000)	703705	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.232	21.213	(1.067)	56850	1.13865	22.40(M)
79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80	Benzo(g,h,i)perylene	276	21.520	21.502	(1.081)	64429	1.39684	27.48(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43j.d
Lab Smp Id: JU43J
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15854

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-S3-02-K
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	261966	10.36
27 Naphthalene-d8	860372	430186	1720744	955644	11.07
42 Acenaphthene-d10	494619	247310	989238	573164	15.88
59 Phenanthrene-d10	763854	381927	1527708	852857	11.65
69 Chrysene-d12	565991	282996	1131982	669053	18.21
134 Di-n-octylphthala	1274966	637483	2549932	1463774	14.81
77 Perylene-d12	631478	315739	1262956	703705	11.44

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.12
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.09
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.12
59 Phenanthrene-d10	13.52	13.02	14.02	13.53	0.10
69 Chrysene-d12	17.76	17.26	18.26	17.78	0.07
134 Di-n-octylphthala	19.04	18.54	19.54	19.06	0.07
77 Perylene-d12	19.87	19.37	20.37	19.90	0.15

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

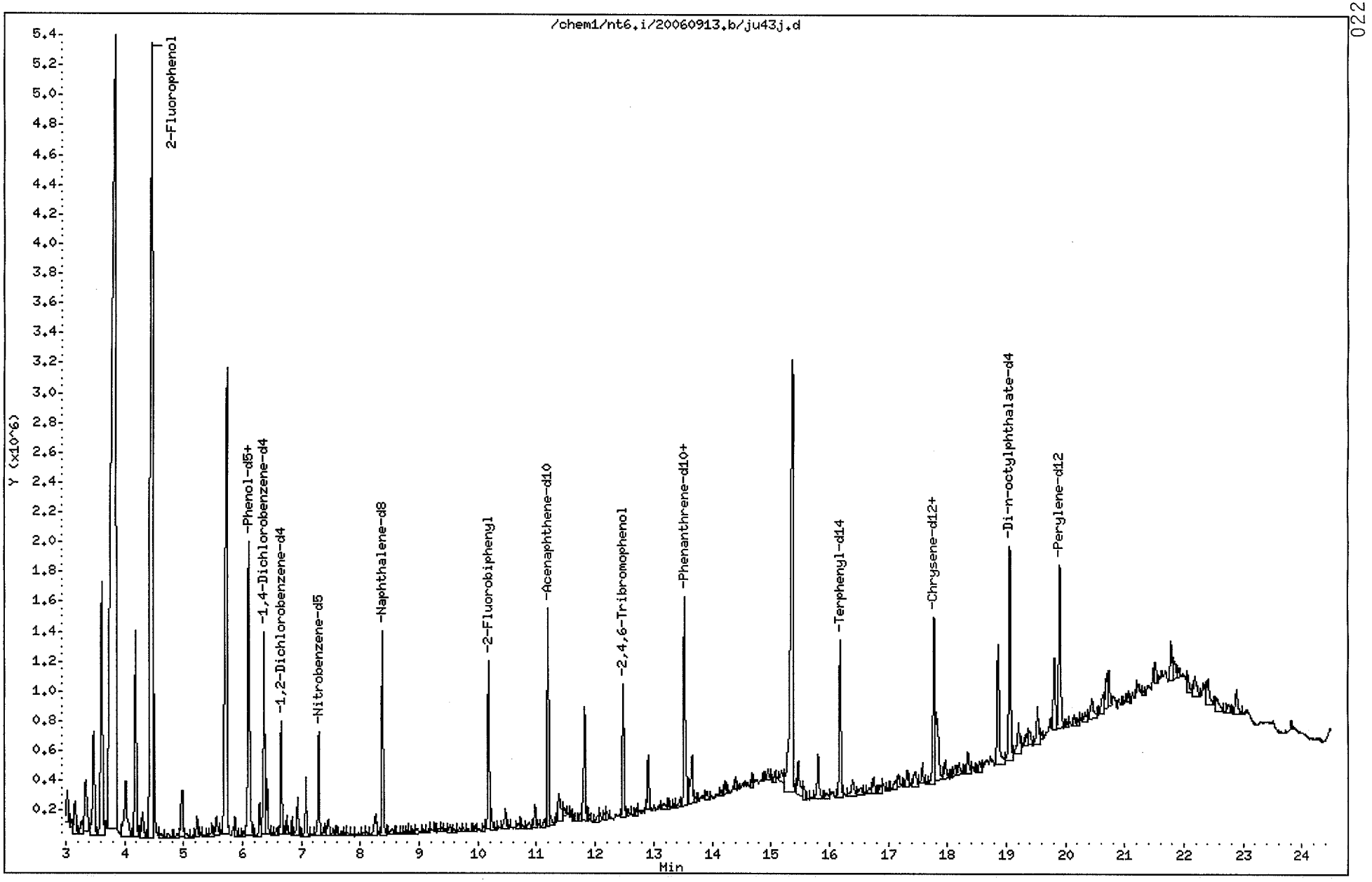
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43J
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15854

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-S3-02-K
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	737.8	431.7	58.51	22-91
$ 2 Phenol-d5	737.8	456.5	61.88	26-99
$ 5 2-Chlorophenol-d4	737.8	472.8	64.08	29-96
$ 10 1,2-Dichlorobenzen	491.9	319.5	64.96	24-87
$ 18 Nitrobenzene-d5	491.9	285.1	57.96	27-101
$ 36 2-Fluorobiphenyl	491.9	314.8	63.99	30-100
$ 55 2,4,6-Tribromophen	737.8	569.6	77.21	20-114
$ 66 Terphenyl-d14	491.9	314.8	63.99	12-120

Data File: /chem1/nt6.i/20060913.b/ju43j.d
Date : 13-SEP-2006 22:25
Client ID: T4-S3-02-K
Sample Info: JU43J
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43j.d

Date : 13-SEP-2006 22:25

Client ID: T4-S3-02-K

Instrument: nt6.i

Sample Info: JU43J

Volume Injected (uL): 1.0

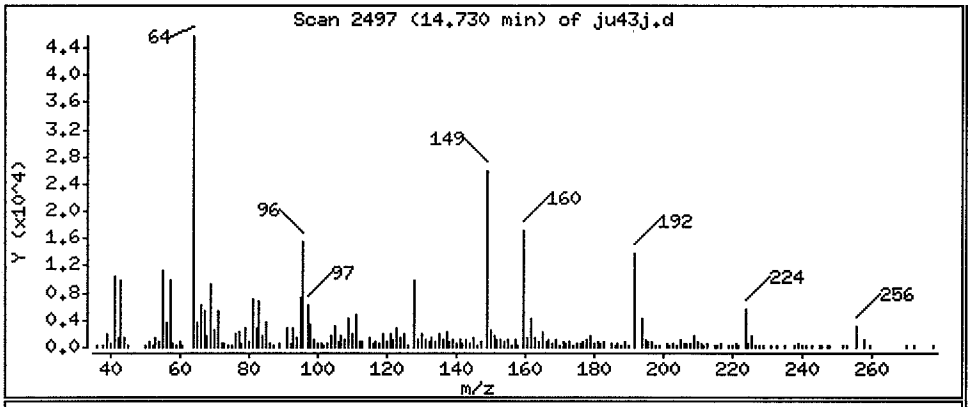
Operator: LJR/vts

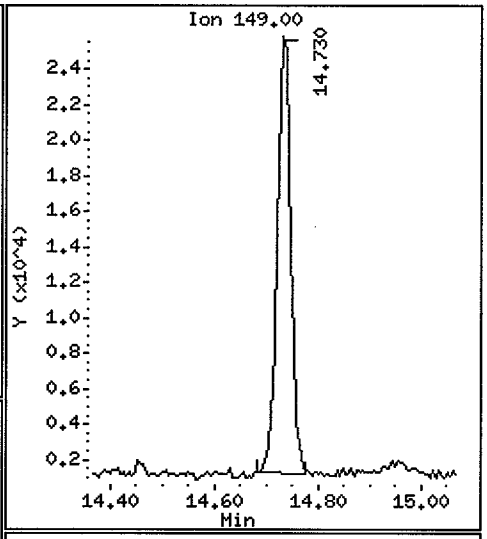
Column phase: ZB-5

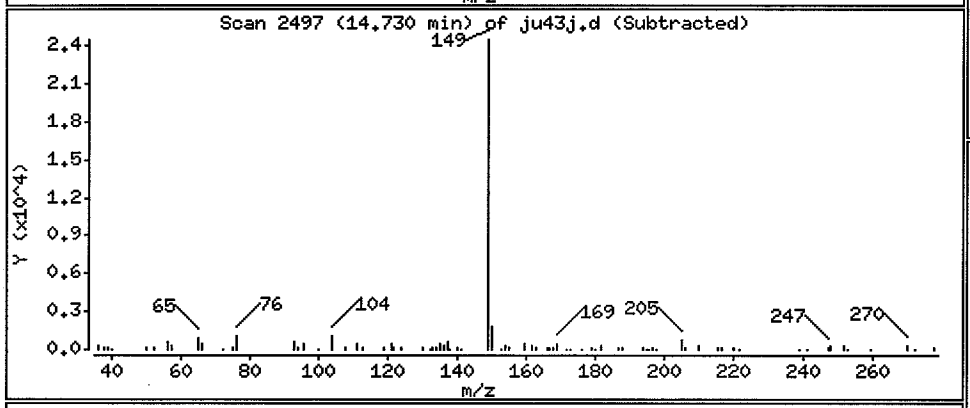
Column diameter: 0.32

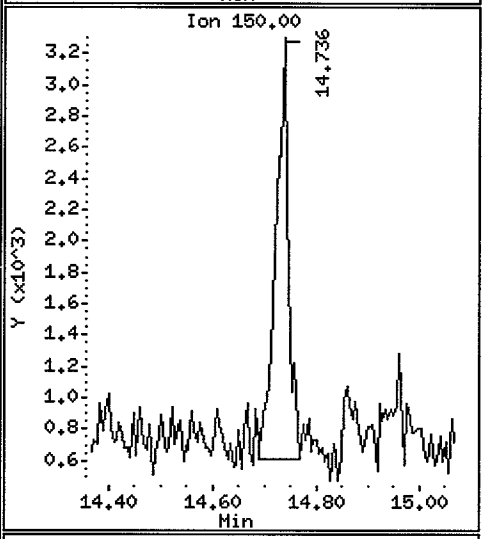
63 Di-n-butylphthalate

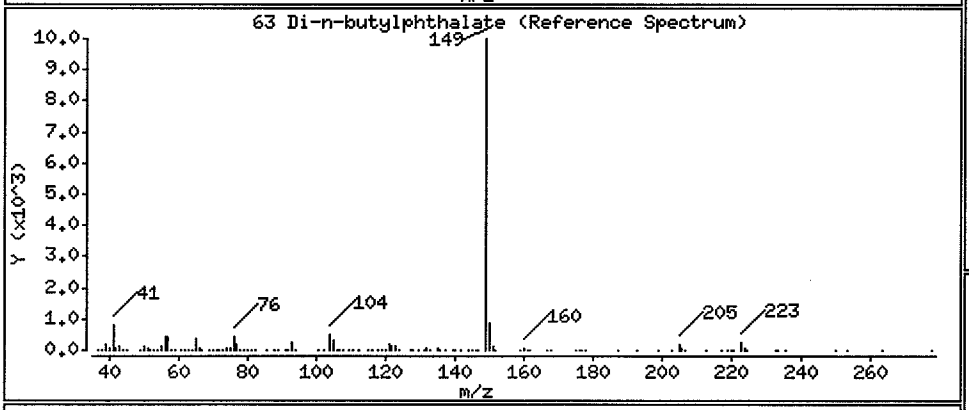
Concentration: 15.05 ug/kg

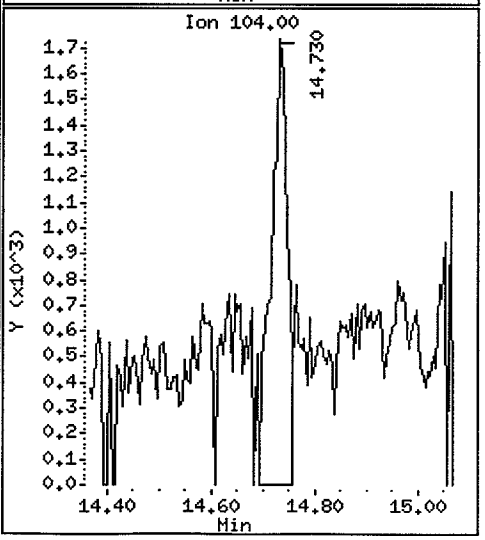


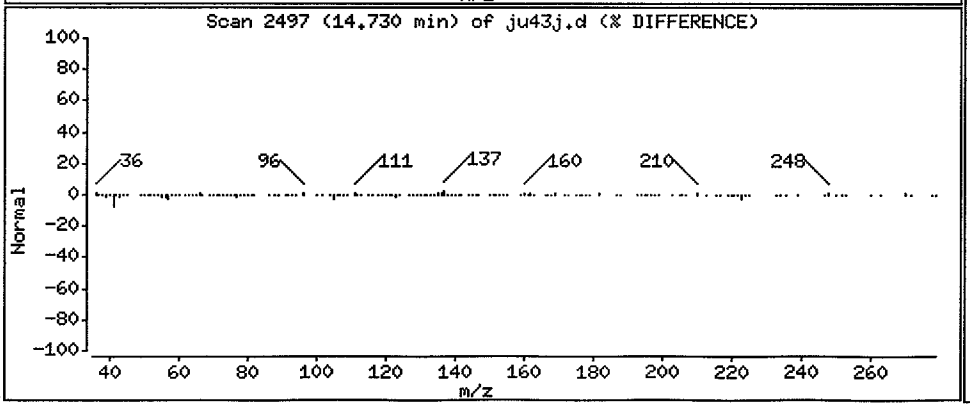












Data File: /chem1/nt6.i/20060913.b/ju43j.d

Date : 13-SEP-2006 22:25

Client ID: T4-S3-02-K

Instrument: nt6.i

Sample Info: JU43J

Volume Injected (uL): 1.0

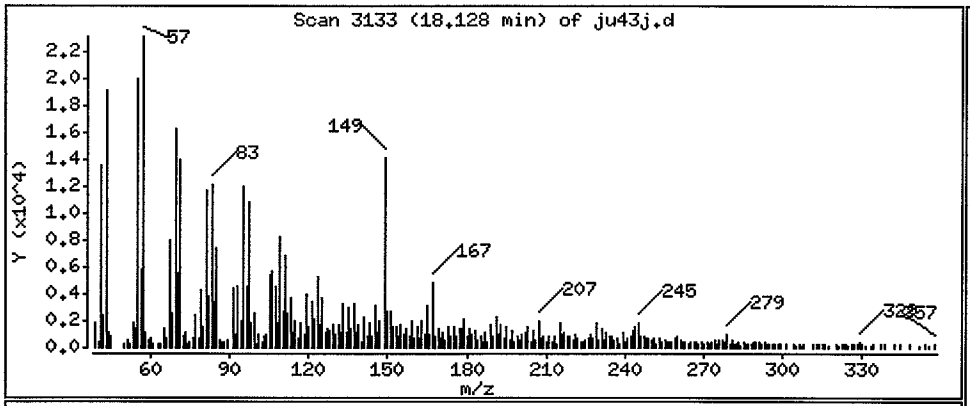
Operator: LJR/vts

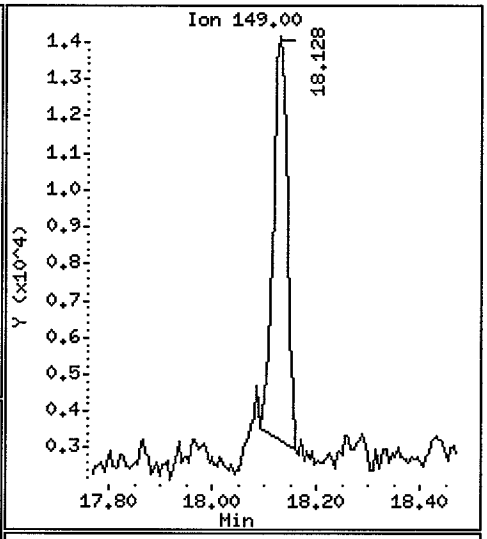
Column phase: ZB-5

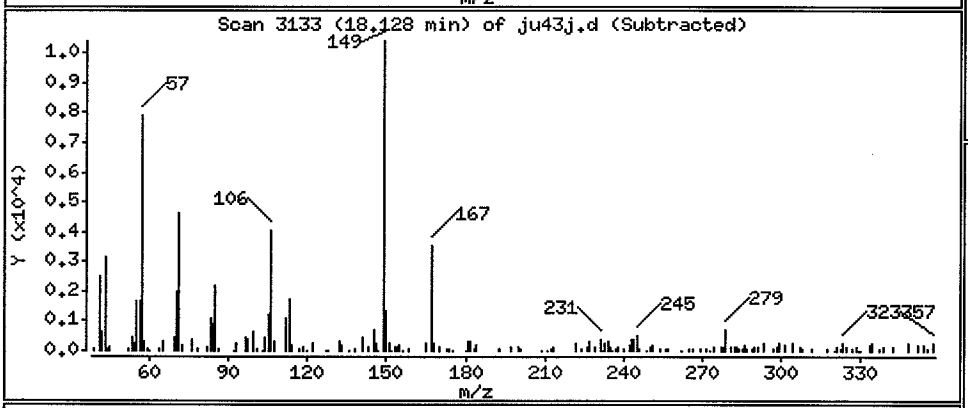
Column diameter: 0.32

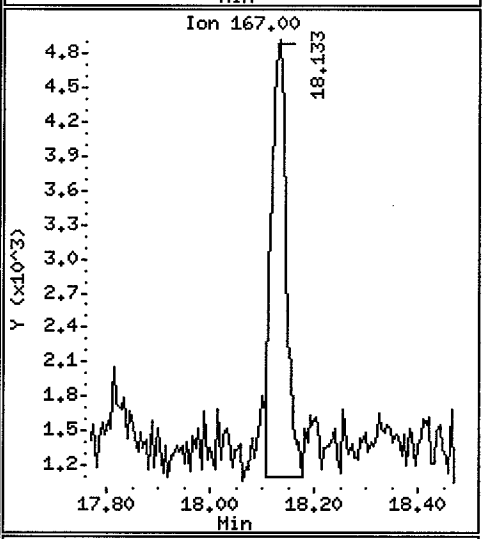
72 bis(2-Ethylhexyl)phthalate

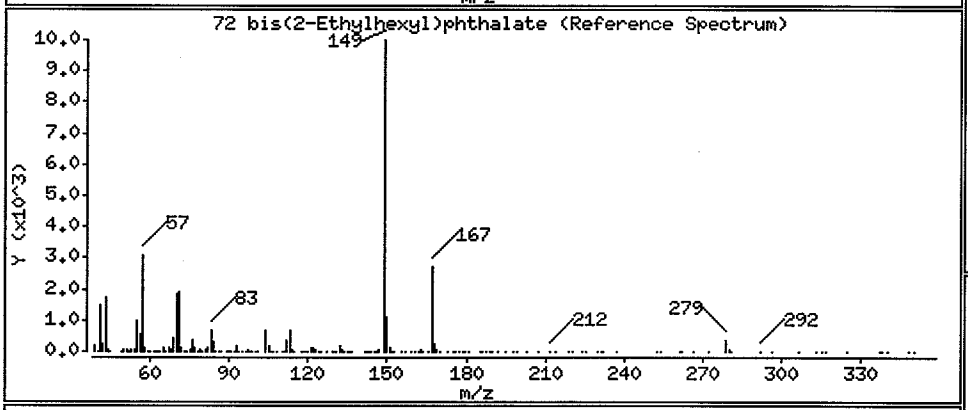
Concentration: 10.52 ug/kg

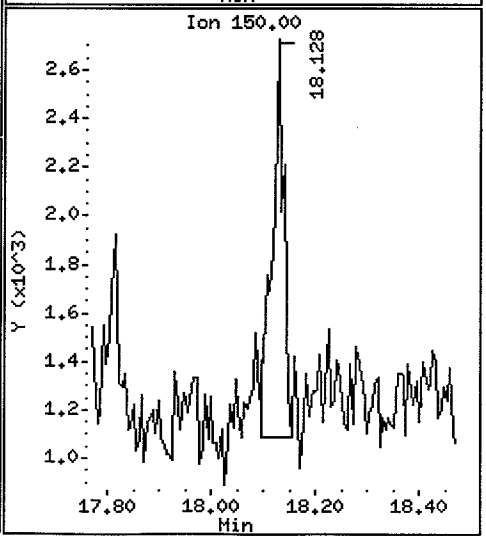


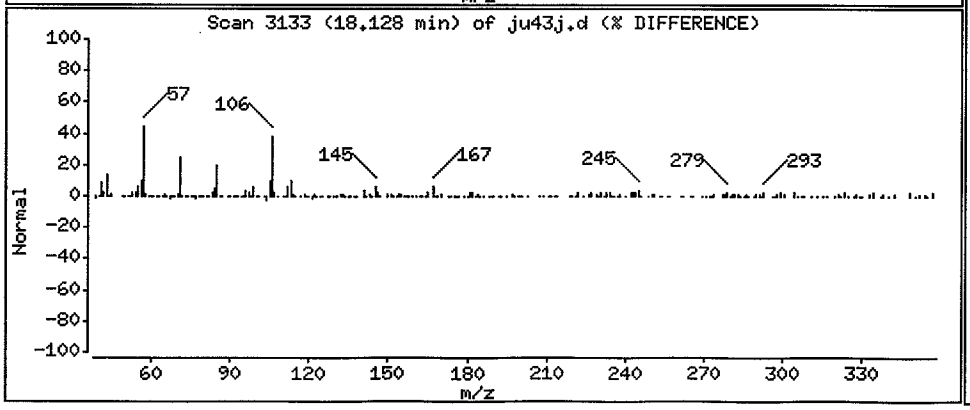












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-08-D**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43K
LIMS ID: 06-15855
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 22:57
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 24.7%
pH: 6.3

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	65.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43k.d
Lab Smp Id: JU43K Client Smp ID: T4-S3-08-D
Inj Date : 13-SEP-2006 22:57
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43K
Misc Info : 06-15855
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	67.30000	Weight of sample extracted (g)
M	24.70000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.500	4.455	(0.707)	449664	22.4408	442.8
$	2 Phenol-d5	99	6.097	6.068	(0.958)	546156	23.4857	463.4
	3 Phenol	94	6.113	6.084	(0.961)	364468	13.3613 B	263.7
$	5 2-Chlorophenol-d4	132	6.108	6.084	(0.960)	452377	23.9645	472.9
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.364	6.357	(1.000)	258853	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.653	6.645	(1.045)	190382	16.4510	324.6
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.294	7.286	(0.871)	340721	14.7051	290.2
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.266	8.355	(0.987)	82129	6.23129 LDL	123.0
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.378	8.371	(1.000)	941476	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.184	10.177	(0.910)	577751	16.2591	320.8
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.194	11.186	(1.000)	551783	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.242	11.240	(1.004)	38770	1.23326	24.34
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	12.048	12.046	(1.076)	20992	0.60135 LDL	11.87
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.481	12.474	(1.115)	114704	29.4736	581.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.523	13.515	(1.000)	819796	20.0000	
	60 Phenanthrene	178	13.555	13.553	(1.002)	238949	4.66040	91.96
	61 Anthracene	178	13.624	13.622	(1.008)	45855	0.93564 LDL	18.46
	62 Carbazole	167	13.945	13.937	(1.031)	42745	0.89720 ↓	17.70

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	14.730	14.717	(1.089)	47995	0.85489 LDL	16.87
64	Fluoranthene	202	15.462	15.449	(1.143)	522439	10.7993	213.1
65	Pyrene	202	15.799	15.786	(0.889)	506655	9.43394	186.2
$ 66	Terphenyl-d14	244	16.178	16.170	(0.910)	535541	16.4242	324.1
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.749	17.736	(0.998)	307000	7.35765	145.2
* 69	Chrysene-d12	240	17.775	17.762	(1.000)	631063	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.807	17.800	(1.002)	343425	8.17001	161.2
72	bis(2-Ethylhexyl)phthalate	149	18.128	18.120	(0.951)	20960	0.56856 LDL	11.22(M)
* 134	Di-n-octylphthalate-d4	153	19.057	19.044	(1.000)	1412179	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.383	19.365	(0.974)	415210	10.2967	203.2(M)
75	Benzo(k)fluoranthene	252	19.394	19.402	(0.975)	352229	7.34337	144.9(M)
76	Benzo(a)pyrene	252	19.811	19.792	(0.996)	306899	8.35935	165.0
* 77	Perylene-d12	264	19.896	19.872	(1.000)	648319	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.232	21.213	(1.067)	299399	6.50898	128.4(M)
79	Dibenzo(a,h)anthracene	278	21.264	21.251	(1.069)	116991	3.06904	60.56(M)
80	Benzo(g,h,i)perylene	276	21.515	21.502	(1.081)	272701	6.41734	126.6(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43k.d
Lab Smp Id: JU43K
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15855

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-S3-08-D
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	258853	9.05
27 Naphthalene-d8	860372	430186	1720744	941476	9.43
42 Acenaphthene-d10	494619	247310	989238	551783	11.56
59 Phenanthrene-d10	763854	381927	1527708	819796	7.32
69 Chrysene-d12	565991	282996	1131982	631063	11.50
134 Di-n-octylphthala	1274966	637483	2549932	1412179	10.76
77 Perylene-d12	631478	315739	1262956	648319	2.67

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.12
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.09
42 Acenaphthene-d10	11.19	10.69	11.69	11.19	0.07
59 Phenanthrene-d10	13.52	13.02	14.02	13.52	0.06
69 Chrysene-d12	17.76	17.26	18.26	17.78	0.07
134 Di-n-octylphthala	19.04	18.54	19.54	19.06	0.07
77 Perylene-d12	19.87	19.37	20.37	19.90	0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43K
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15855

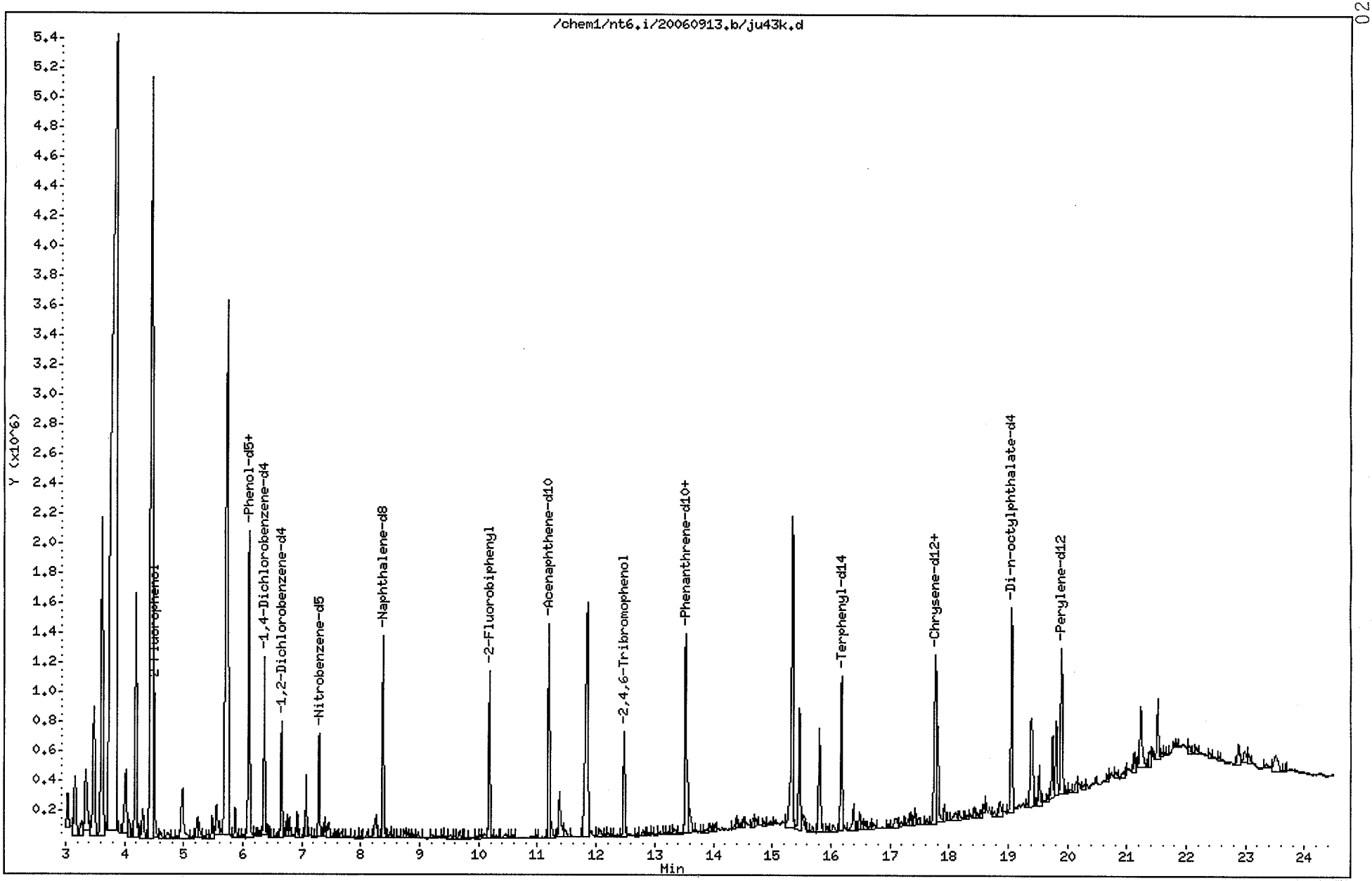
Client SDG: JU43
Fraction: SV
Client Smp ID: T4-S3-08-D
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	740.0	442.8	59.84	22-91
$ 2 Phenol-d5	740.0	463.4	62.63	26-99
$ 5 2-Chlorophenol-d4	740.0	472.9	63.91	29-96
$ 10 1,2-Dichlorobenzen	493.3	324.6	65.80	24-87
$ 18 Nitrobenzene-d5	493.3	290.2	58.82	27-101
$ 36 2-Fluorobiphenyl	493.3	320.8	65.04	30-100
$ 55 2,4,6-Tribromophen	740.0	581.6	78.60	20-114
$ 66 Terphenyl-d14	493.3	324.1	65.70	12-120

Data File: /chem1/nt6.i/20060913.b/ju43k.d
Date : 13-SEP-2006 22:57
Client ID: T4-S3-08-D
Sample Info: JU43K
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32

0230



Data File: /chem1/nt6.i/20060913.b/ju43k.d

Date : 13-SEP-2006 22:57

Client ID: T4-S3-08-D

Instrument: nt6.i

Sample Info: JU43K

Volume Injected (uL): 1.0

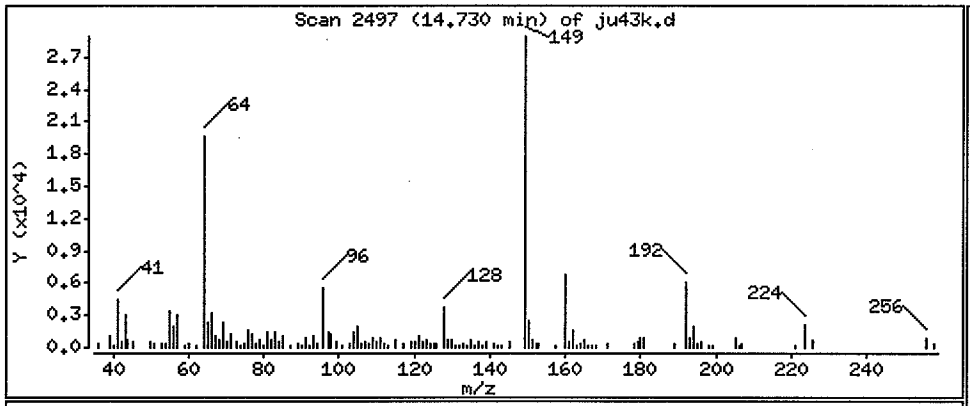
Operator: LJR/vts

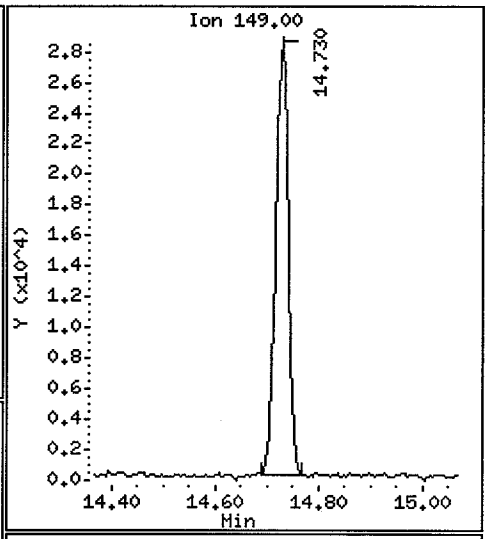
Column phase: ZB-5

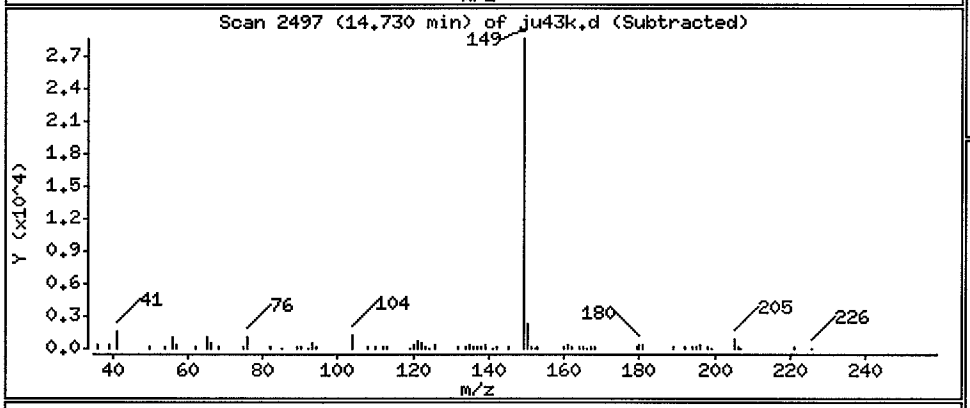
Column diameter: 0.32

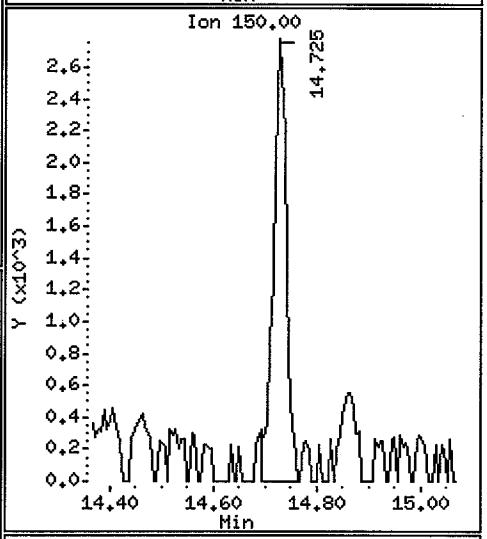
63 Di-n-butylphthalate

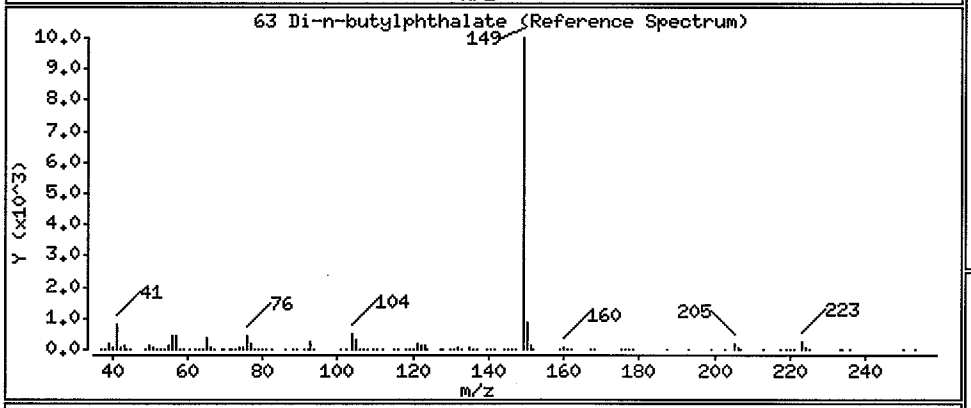
Concentration: 16.87 ug/kg

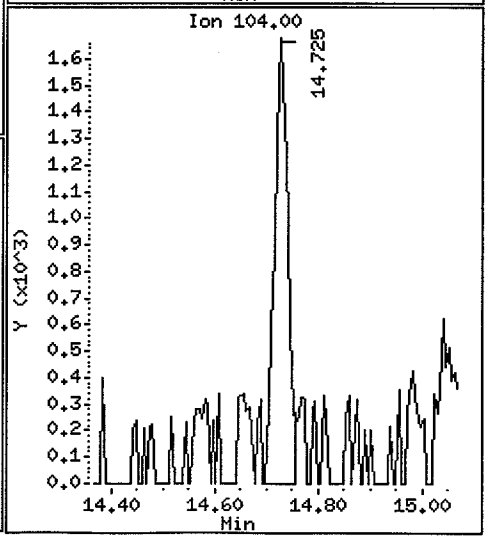


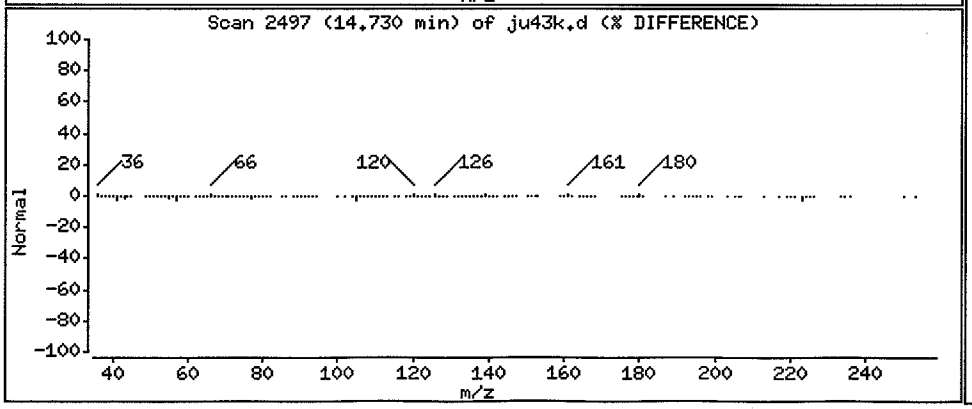












Data File: /chem1/nt6.i/20060913.b/ju43k.d

Date : 13-SEP-2006 22:57

Client ID: T4-S3-08-D

Instrument: nt6.i

Sample Info: JU43K

Volume Injected (uL): 1.0

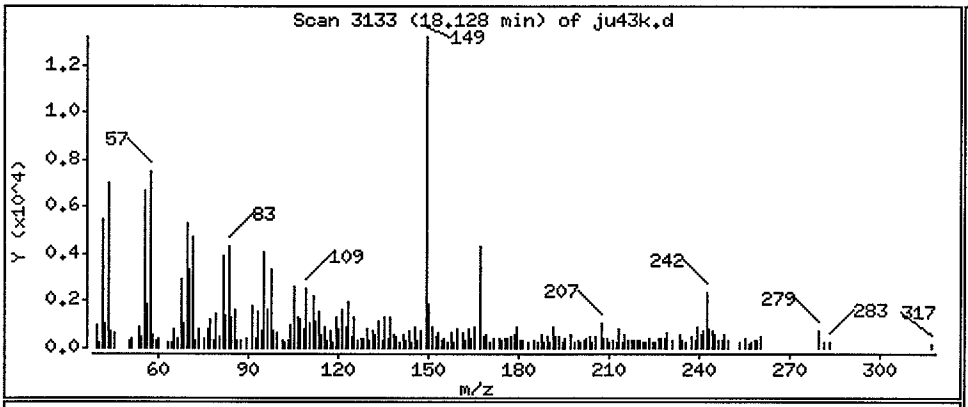
Operator: LJR/vts

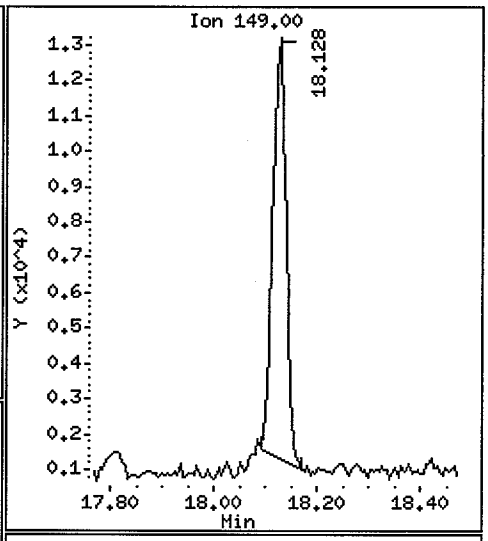
Column phase: ZB-5

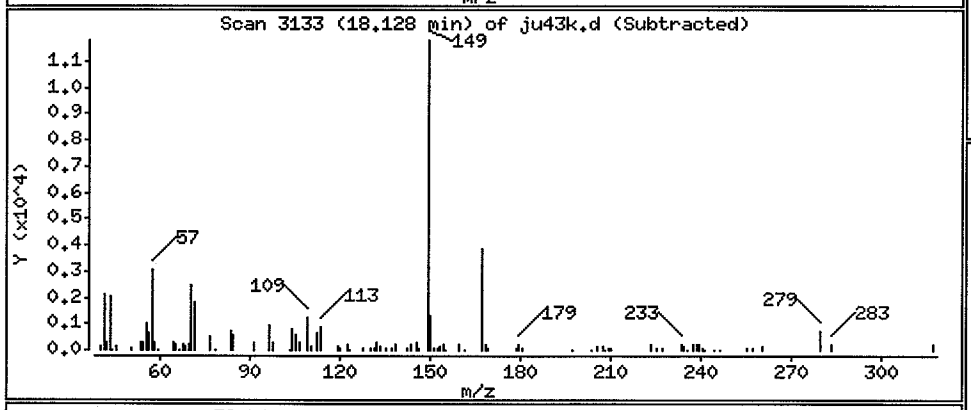
Column diameter: 0.32

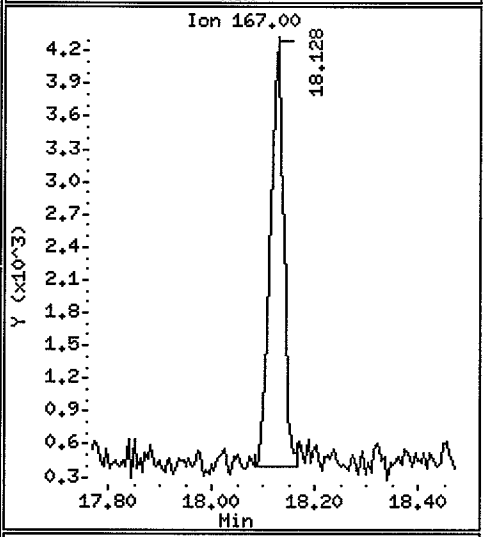
72 bis(2-Ethylhexyl)phthalate

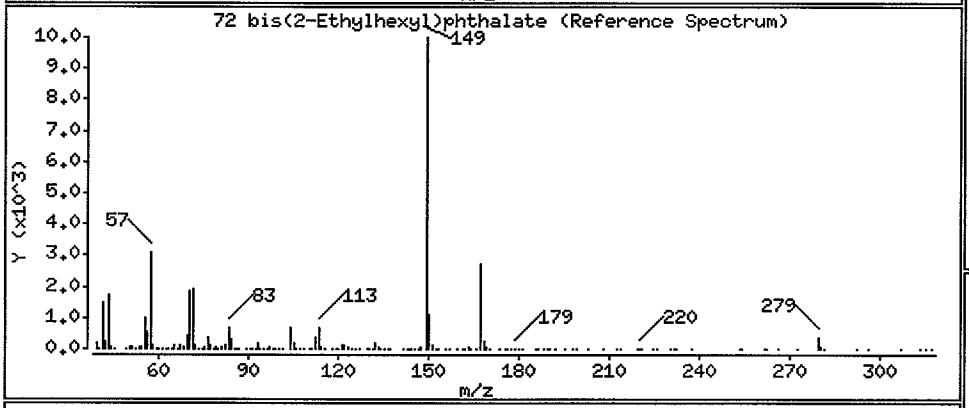
Concentration: 11.22 ug/kg

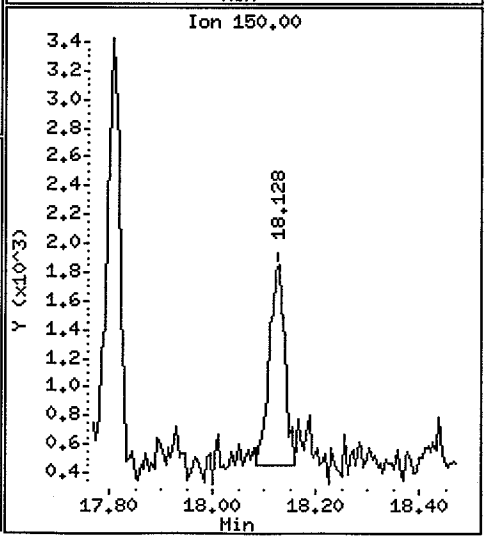


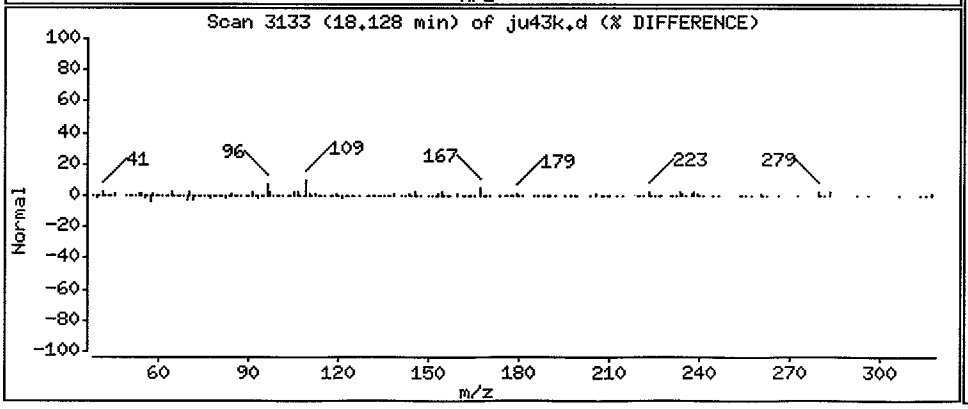












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-05-K**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43L
LIMS ID: 06-15856
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 23:29
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 28.0%
pH: 6.3

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	56.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43l.d
Lab Smp Id: JU43L Client Smp ID: T4-S3-05-K
Inj Date : 13-SEP-2006 23:29
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43L
Misc Info : 06-15856
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	70.20000	Weight of sample extracted (g)
M	28.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.497	4.455	(0.707)	412407	19.2452	380.8
$	2 Phenol-d5	99	6.095	6.068	(0.958)	504046	20.2676	401.0
	3 Phenol	94	6.111	6.084	(0.961)	64655	2.21635 (B)	43.85
$	5 2-Chlorophenol-d4	132	6.105	6.084	(0.960)	422959	20.9514	414.5
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.362	6.357	(1.000)	276826	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.650	6.645	(1.045)	177736	14.3611	284.1
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.291	7.286	(0.871)	317663	12.8762	254.8
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.258	8.355	(0.986)	77318	5.50954 LDL	109.0(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.376	8.371	(1.000)	1002435	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.181	10.177	(0.909)	526842	14.0504	278.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.196	11.186	(1.000)	582260	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.479	12.474	(1.115)	102128	24.8686	492.0
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.520	13.515	(1.000)	866213	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	14.722	14.717	(1.089)	32898	0.55458 LQL	10.97(M)
	64 Fluoranthene	202	Compound Not Detected.					
	65 Pyrene	202	Compound Not Detected.					
$	66 Terphenyl-d14	244	16.175	16.170	(0.910)	485000	14.0496	278.0
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	17.767	17.762	(1.000)	668097	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	Compound Not Detected.					
	72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
*	134 Di-n-octylphthalate-d4	153	19.055	19.044	(1.000)	1477395	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	Compound Not Detected.					
	75 Benzo(k)fluoranthene	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	19.893	19.872	(1.000)	683119	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43l.d
Lab Smp Id: JU43L
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15856

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-S3-05-K
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	276826	16.62
27 Naphthalene-d8	860372	430186	1720744	1002435	16.51
42 Acenaphthene-d10	494619	247310	989238	582260	17.72
59 Phenanthrene-d10	763854	381927	1527708	866213	13.40
69 Chrysene-d12	565991	282996	1131982	668097	18.04
134 Di-n-octylphthala	1274966	637483	2549932	1477395	15.88
77 Perylene-d12	631478	315739	1262956	683119	8.18

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.08
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.06
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.09
59 Phenanthrene-d10	13.52	13.02	14.02	13.52	0.04
69 Chrysene-d12	17.76	17.26	18.26	17.77	0.03
134 Di-n-octylphthala	19.04	18.54	19.54	19.05	0.05
77 Perylene-d12	19.87	19.37	20.37	19.89	0.11

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43L
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15856

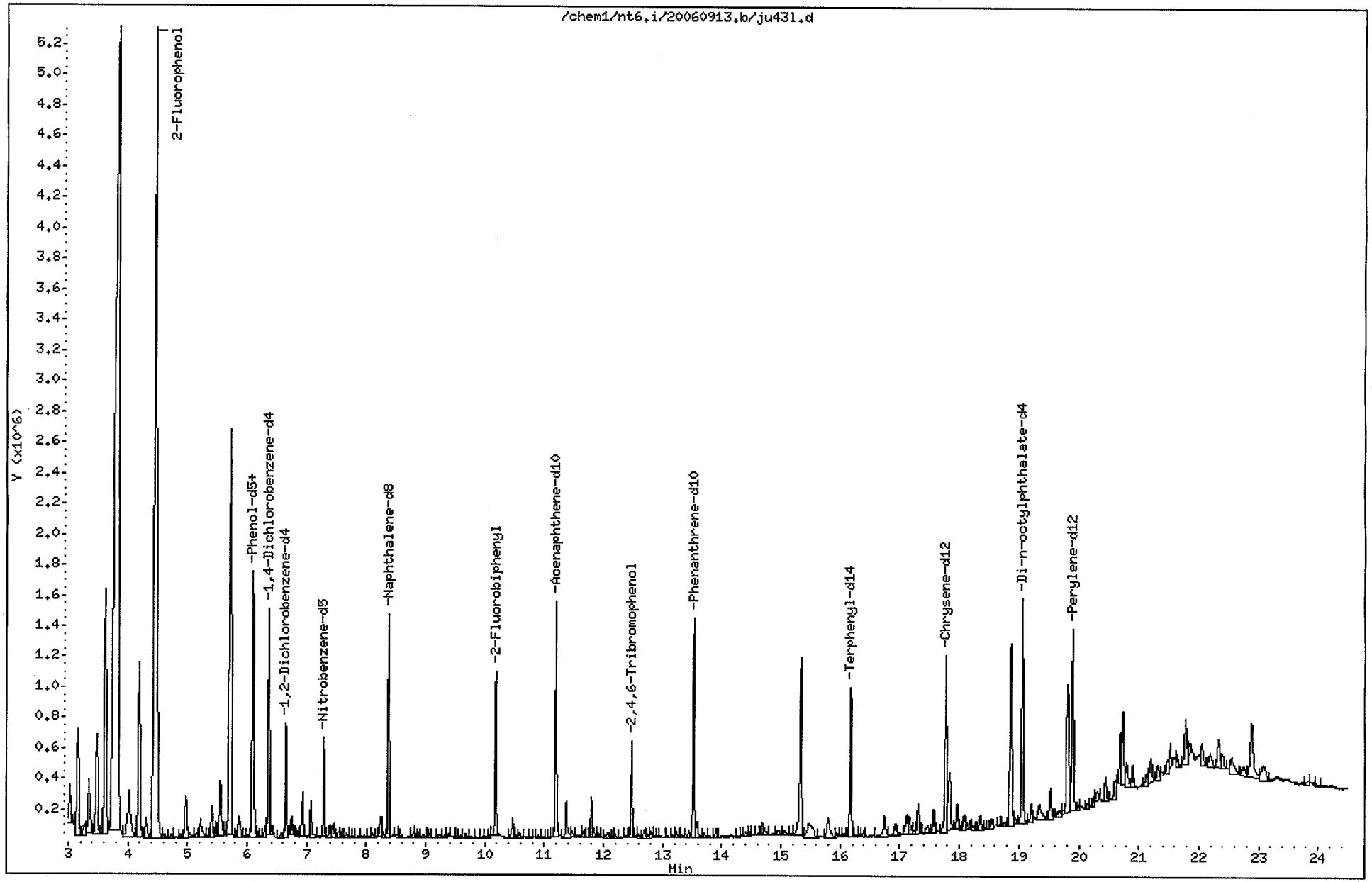
Client SDG: JU43
Fraction: SV
Client Smp ID: T4-S3-05-K
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$	1 2-Fluorophenol	741.9	380.8	51.32	22-91
$	2 Phenol-d5	741.9	401.0	54.05	26-99
$	5 2-Chlorophenol-d4	741.9	414.5	55.87	29-96
$	10 1,2-Dichlorobenzen	494.6	284.1	57.44	24-87
$	18 Nitrobenzene-d5	494.6	254.8	51.50	27-101
$	36 2-Fluorobiphenyl	494.6	278.0	56.20	30-100
$	55 2,4,6-Tribromophen	741.9	492.0	66.32	20-114
$	66 Terphenyl-d14	494.6	278.0	56.20	12-120

Data File: /chem1/nt6.i/20060913.b/ju431.d
Date : 13-SEP-2006 23:29
Client ID: T4-S3-05-K
Sample Info: JU43L
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32

0239



Data File: /chem1/nt6.i/20060913.b/ju43l.d

Date : 13-SEP-2006 23:29

Client ID: T4-S3-05-K

Instrument: nt6.i

Sample Info: JU43L

Volume Injected (uL): 1.0

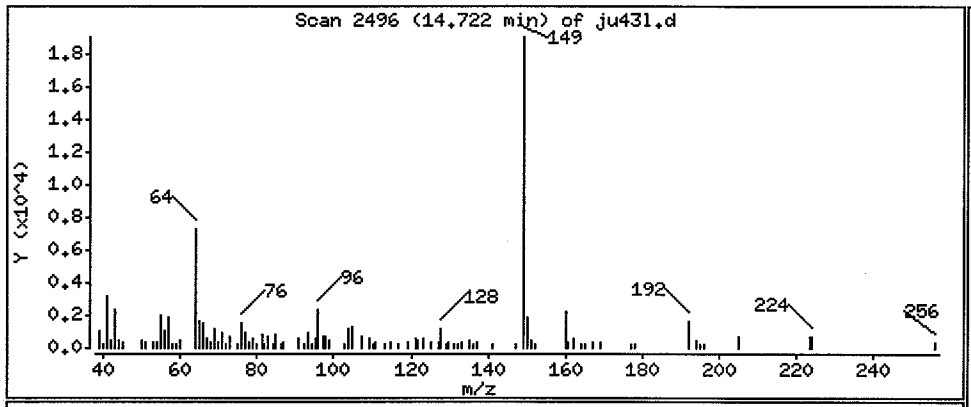
Operator: LJR/vts

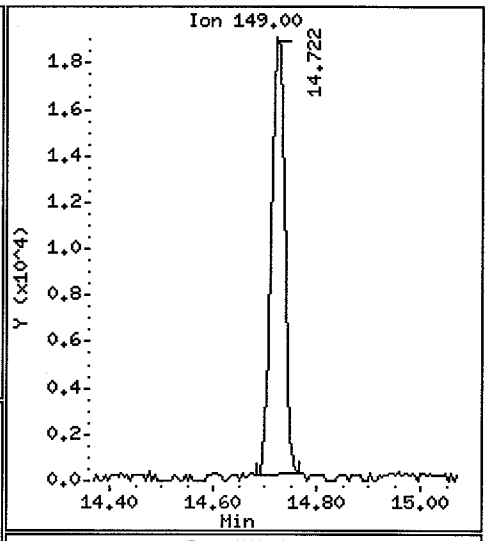
Column phase: ZB-5

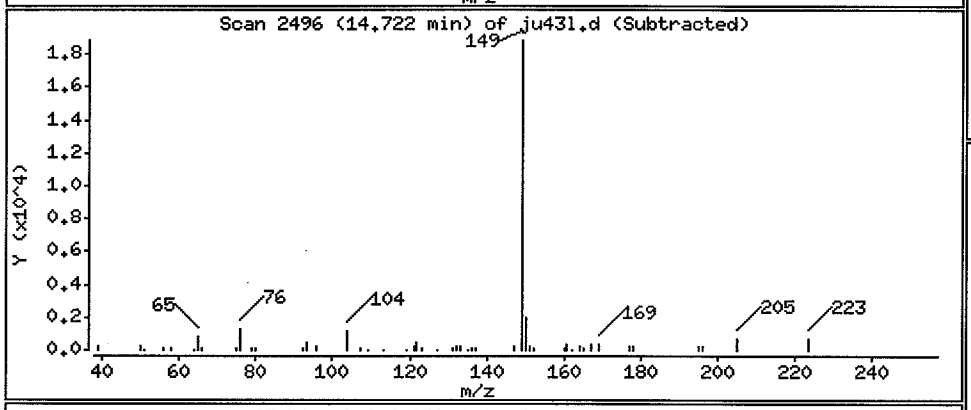
Column diameter: 0.32

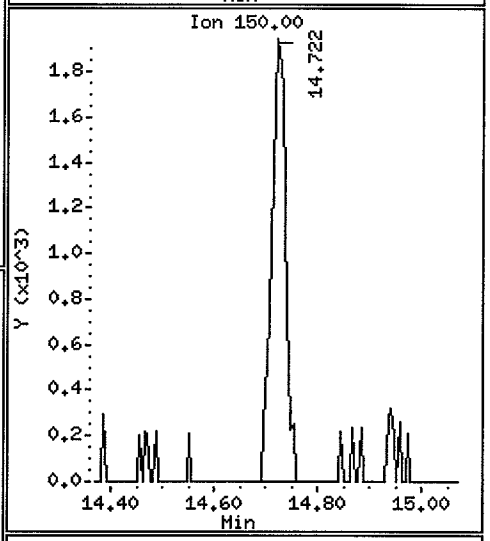
63 Di-n-butylphthalate

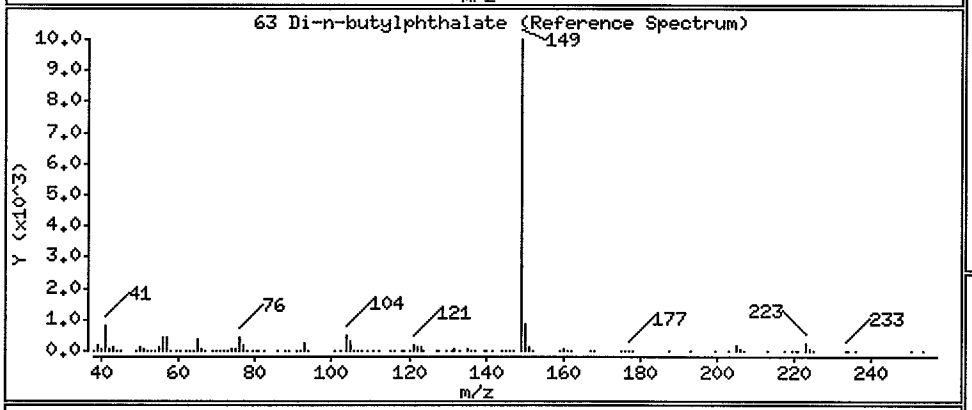
Concentration: 10.97 ug/kg

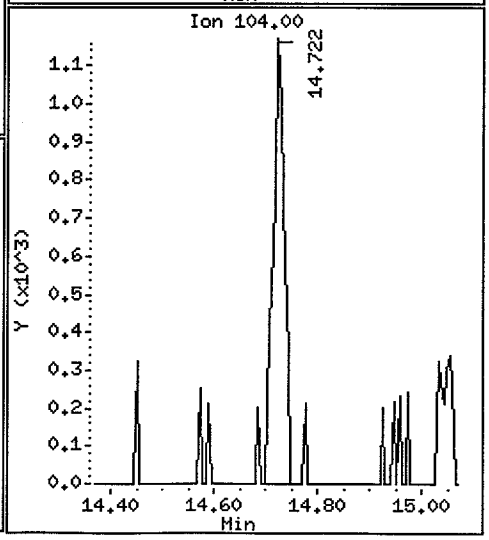


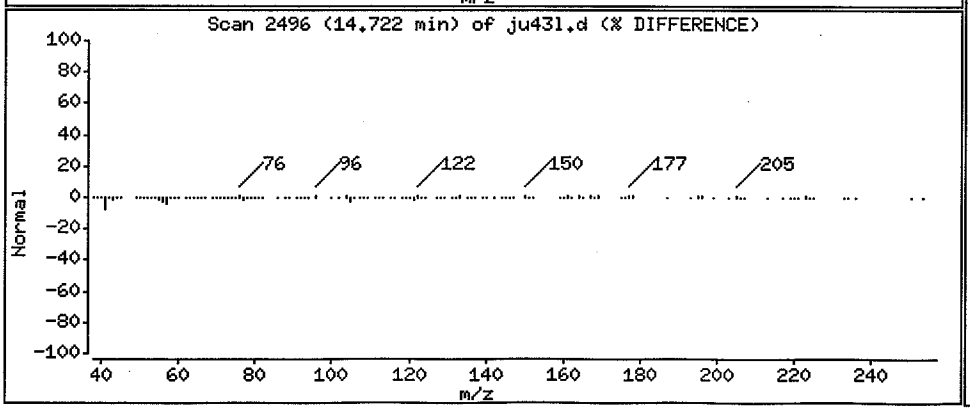












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-07-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43M
LIMS ID: 06-15857
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 00:00
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 26.8%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	62.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43m.d
Lab Smp Id: JU43M Client Smp ID: T4-S3-07-F
Inj Date : 14-SEP-2006 00:00
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43M
Misc Info : 06-15857
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	69.10000	Weight of sample extracted (g)
M	26.80000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.481	4.455	(0.704)	394987	18.6065	367.9
$	2 Phenol-d5	99	6.089	6.068	(0.957)	508566	20.6426	408.1
	3 Phenol	94	6.105	6.084	(0.960)	33979	1.17580	23.25
$	5 2-Chlorophenol-d4	132	6.099	6.084	(0.959)	428232	21.4130	423.3
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.361	6.357	(1.000)	274234	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.649	6.645	(1.045)	178979	14.5982	288.6
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.291	7.286	(0.870)	322711	13.3348	263.6
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.236	8.355	(0.983)	52065	3.78208	74.77(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.375	8.371	(1.000)	983346	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.181	10.177	(0.909)	559184	14.8702	294.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.196	11.186	(1.000)	583933	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.478	12.474	(1.115)	112823	27.3942	541.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.519	13.515	(1.000)	868573	20.0000	
	60 Phenanthrene	178	13.557	13.553	(1.003)	68336	1.23131	24.34
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
63	Di-n-butylphthalate	149	14.727	14.717	(1.089)	34548	0.58081	11.48
64	Fluoranthene	202	15.459	15.449	(1.143)	132537	2.58581	51.12
65	Pyrene	202	15.795	15.786	(0.889)	119031	2.06677	40.86
$ 66	Terphenyl-d14	244	16.175	16.170	(0.910)	549255	15.7078	310.5
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.745	17.736	(0.998)	65982	1.47461	29.15
* 69	Chrysene-d12	240	17.772	17.762	(1.000)	676741	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.804	17.800	(1.002)	81760	1.81377	35.86
72	bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134	Di-n-octylphthalate-d4	153	19.054	19.044	(1.000)	1521544	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.374	19.365	(0.974)	92384	2.06443	40.81(M)
75	Benzo(k)fluoranthene	252	19.385	19.402	(0.974)	75982	1.28263	25.36(M)
76	Benzo(a)pyrene	252	19.802	19.792	(0.995)	74176	1.82059	35.99
* 77	Perylene-d12	264	19.893	19.872	(1.000)	719477	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.223	21.213	(1.067)	58193	1.14000	22.54(M)
79	Dibenzo(a,h)anthracene	278	21.260	21.251	(1.069)	23195	0.54830	10.84(M)
80	Benzo(g,h,i)perylene	276	21.506	21.502	(1.081)	57138	1.21162	23.95(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43m.d
Lab Smp Id: JU43M
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15857

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-S3-07-F
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	274234	15.53
27 Naphthalene-d8	860372	430186	1720744	983346	14.29
42 Acenaphthene-d10	494619	247310	989238	583933	18.06
59 Phenanthrene-d10	763854	381927	1527708	868573	13.71
69 Chrysene-d12	565991	282996	1131982	676741	19.57
134 Di-n-octylphthala	1274966	637483	2549932	1521544	19.34
77 Perylene-d12	631478	315739	1262956	719477	13.94

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.07
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.05
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.08
59 Phenanthrene-d10	13.52	13.02	14.02	13.52	0.03
69 Chrysene-d12	17.76	17.26	18.26	17.77	0.05
134 Di-n-octylphthala	19.04	18.54	19.54	19.05	0.05
77 Perylene-d12	19.87	19.37	20.37	19.89	0.10

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43M
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15857

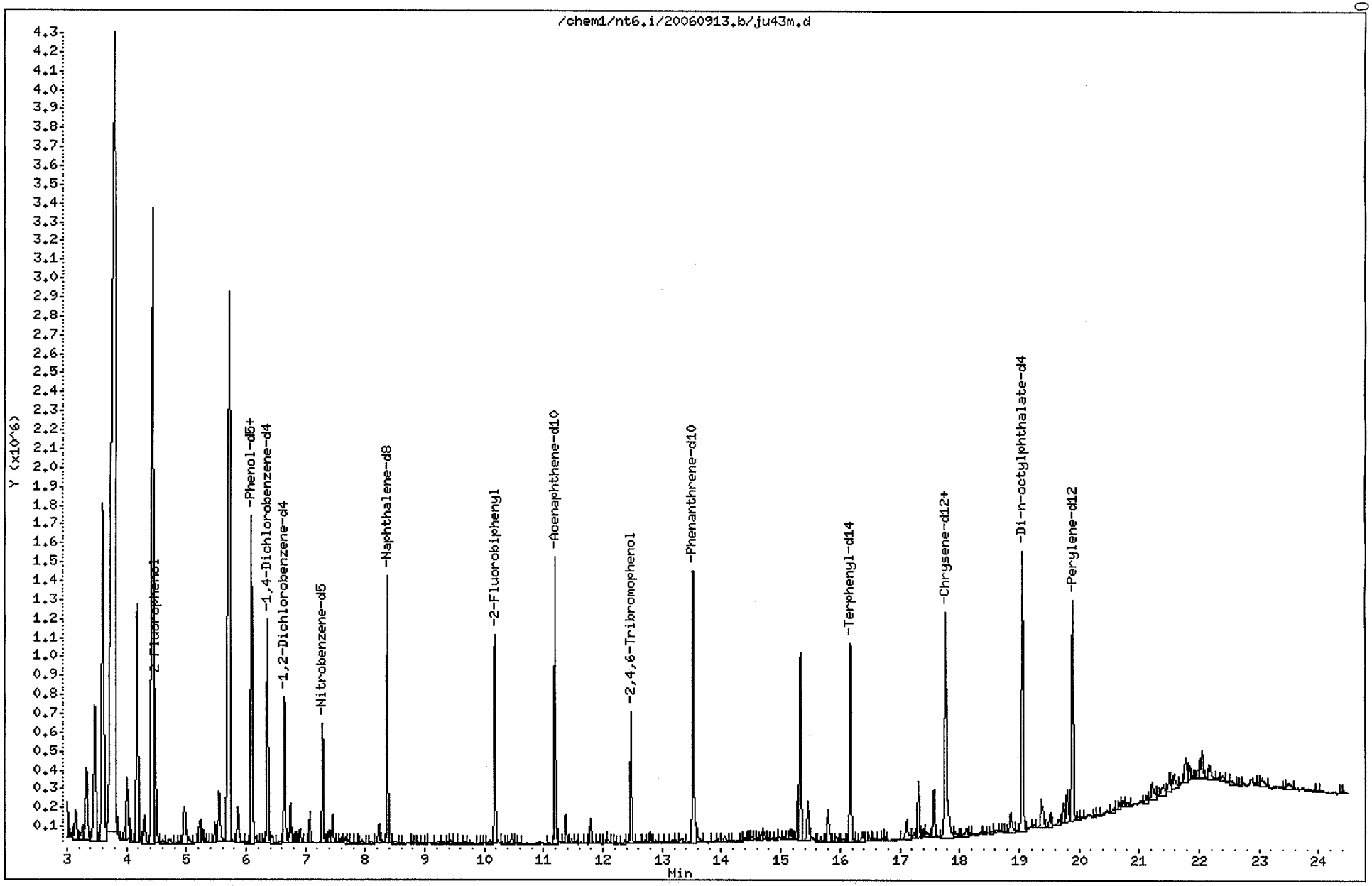
Client SDG: JU43
Fraction: SV
Client Smp ID: T4-S3-07-F
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	741.4	367.9	49.62	22-91
$ 2 Phenol-d5	741.4	408.1	55.05	26-99
$ 5 2-Chlorophenol-d4	741.4	423.3	57.10	29-96
$ 10 1,2-Dichlorobenzen	494.3	288.6	58.39	24-87
$ 18 Nitrobenzene-d5	494.3	263.6	53.34	27-101
$ 36 2-Fluorobiphenyl	494.3	294.0	59.48	30-100
$ 55 2,4,6-Tribromophen	741.4	541.6	73.05	20-114
$ 66 Terphenyl-d14	494.3	310.5	62.83	12-120

Data File: /chem1/nt6.i/20060913.b/ju43m.d
Date : 14-SEP-2006 00:00
Client ID: T4-S3-07-F
Sample Info: JU43M
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32

0247



Data File: /chem1/nt6.i/20060913.b/ju43m.d

Date : 14-SEP-2006 00:00

Client ID: T4-S3-07-F

Instrument: nt6.i

Sample Info: JU43M

Volume Injected (uL): 1.0

Operator: LJR/vts

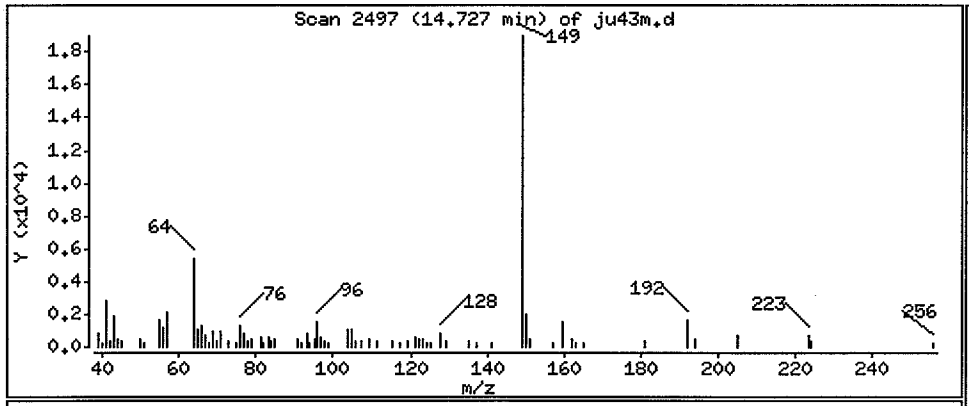
Column phase: ZB-5

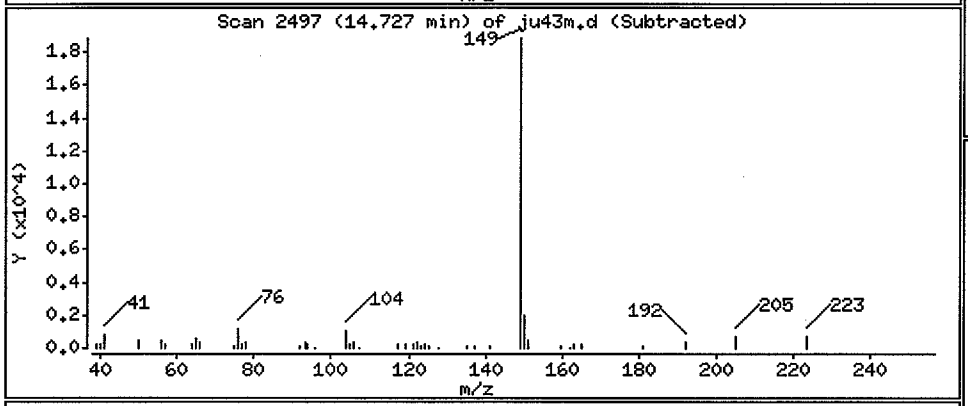
Column diameter: 0.32

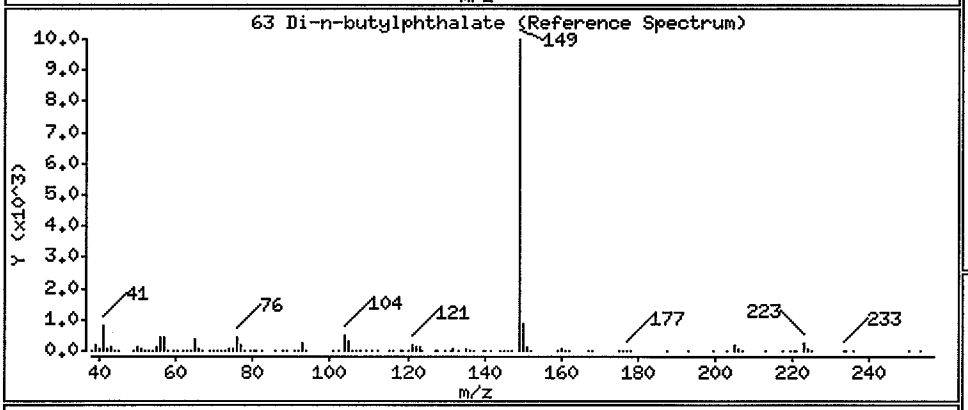
63 Di-n-butylphthalate

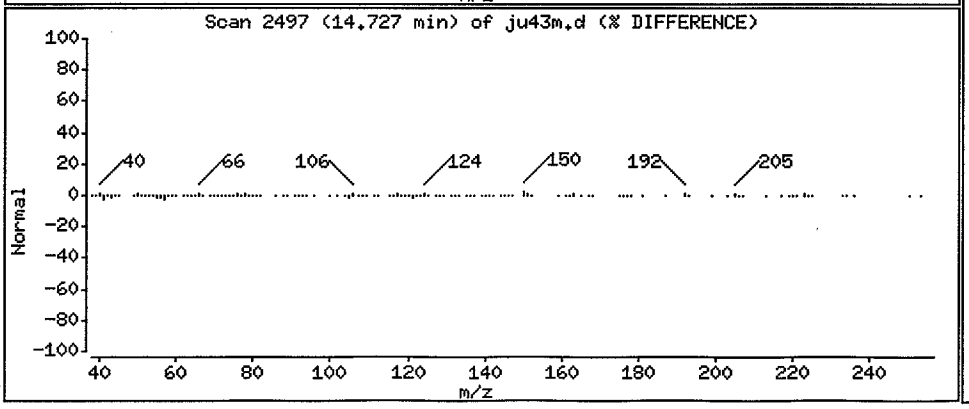
Concentration: 11.48 ug/kg

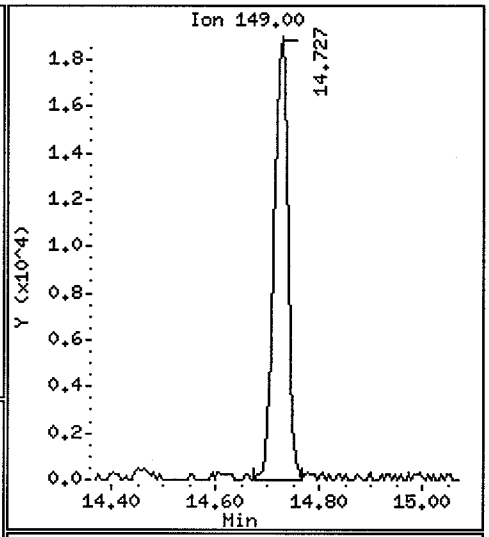
LRL

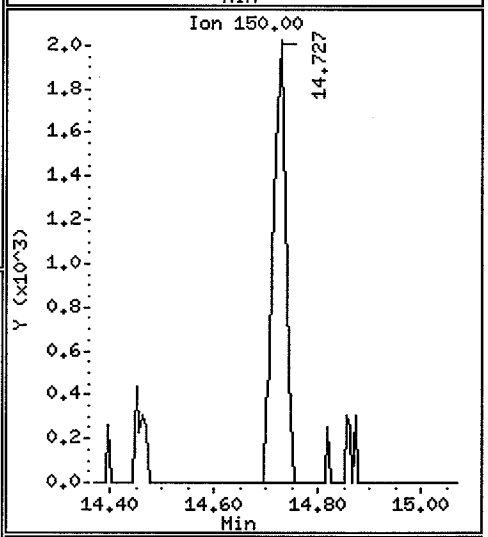


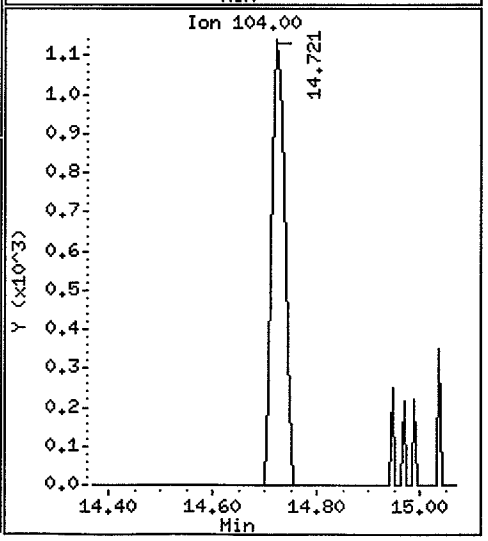












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-04-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43N
LIMS ID: 06-15858
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 00:32
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 23.9%
pH: 6.3

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	69.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43n.d
Lab Smp Id: JU43N Client Smp ID: T4-S3-04-E
Inj Date : 14-SEP-2006 00:32
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43N
Misc Info : 06-15858
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	66.30000	Weight of sample extracted (g)
M	23.90000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.493	4.455	(0.706)	438695	21.6946	430.0
$	2 Phenol-d5	99	6.090	6.068	(0.957)	551254	23.4896	465.6
	3 Phenol	94	6.106	6.084	(0.960)	38348	1.39306 B	27.61
$	5 2-Chlorophenol-d4	132	6.101	6.084	(0.959)	456760	23.9770	475.2
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.363	6.357	(1.000)	261225	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.651	6.645	(1.045)	197089	16.8759	334.5
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.287	7.286	(0.870)	357291	15.3269	303.8
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.243	8.355	(0.984)	62200	4.69067 LDL	92.97(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.377	8.371	(1.000)	947211	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.182	10.177	(0.910)	592003	16.5658	328.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.192	11.186	(1.000)	554928	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.474	12.474	(1.115)	110780	28.3040	561.0
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.521	13.515	(1.000)	828137	20.0000	
	60 Phenanthrene	178	13.553	13.553	(1.002)	43992	0.82921 LDL	16.43
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	14.723	14.717	(1.089)	37118	0.65449 LDL	12.97
64	Fluoranthene	202	15.455	15.449	(1.143)	81712	1.67205	33.14
65	Pyrene	202	15.791	15.786	(0.889)	78238	1.46742	29.08
$ 66	Terphenyl-d14	244	16.176	16.170	(0.910)	563177	17.3976	344.8
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.741	17.736	(0.998)	48539	1.17178	23.22
* 69	Chrysene-d12	240	17.768	17.762	(1.000)	626496	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.800	17.800	(1.002)	52920	1.26813	25.13
72	bis(2-Ethylhexyl)phthalate	149	18.121	18.120	(0.951)	20344	0.55171 LDL	10.93
* 134	Di-n-octylphthalate-d4	153	19.050	19.044	(1.000)	1412544	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.376	19.365	(0.974)	52754	1.30464	25.86(M)
75	Benzo(k)fluoranthene	252	19.387	19.402	(0.975)	55943	1.03986	20.61(M)
76	Benzo(a)pyrene	252	19.798	19.792	(0.995)	46836	1.27222	25.22
* 77	Perylene-d12	264	19.889	19.872	(1.000)	650104	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.224	21.213	(1.067)	41548	0.90078 LDL	17.85(M)
79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80	Benzo(g,h,i)perylene	276	21.507	21.502	(1.081)	39332	0.92304	18.29(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43n.d
Lab Smp Id: JU43N
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15858

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-S3-04-E
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	261225	10.05
27 Naphthalene-d8	860372	430186	1720744	947211	10.09
42 Acenaphthene-d10	494619	247310	989238	554928	12.19
59 Phenanthrene-d10	763854	381927	1527708	828137	8.42
69 Chrysene-d12	565991	282996	1131982	626496	10.69
134 Di-n-octylphthala	1274966	637483	2549932	1412544	10.79
77 Perylene-d12	631478	315739	1262956	650104	2.95

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.09
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.07
42 Acenaphthene-d10	11.19	10.69	11.69	11.19	0.05
59 Phenanthrene-d10	13.52	13.02	14.02	13.52	0.04
69 Chrysene-d12	17.76	17.26	18.26	17.77	0.03
134 Di-n-octylphthala	19.04	18.54	19.54	19.05	0.03
77 Perylene-d12	19.87	19.37	20.37	19.89	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

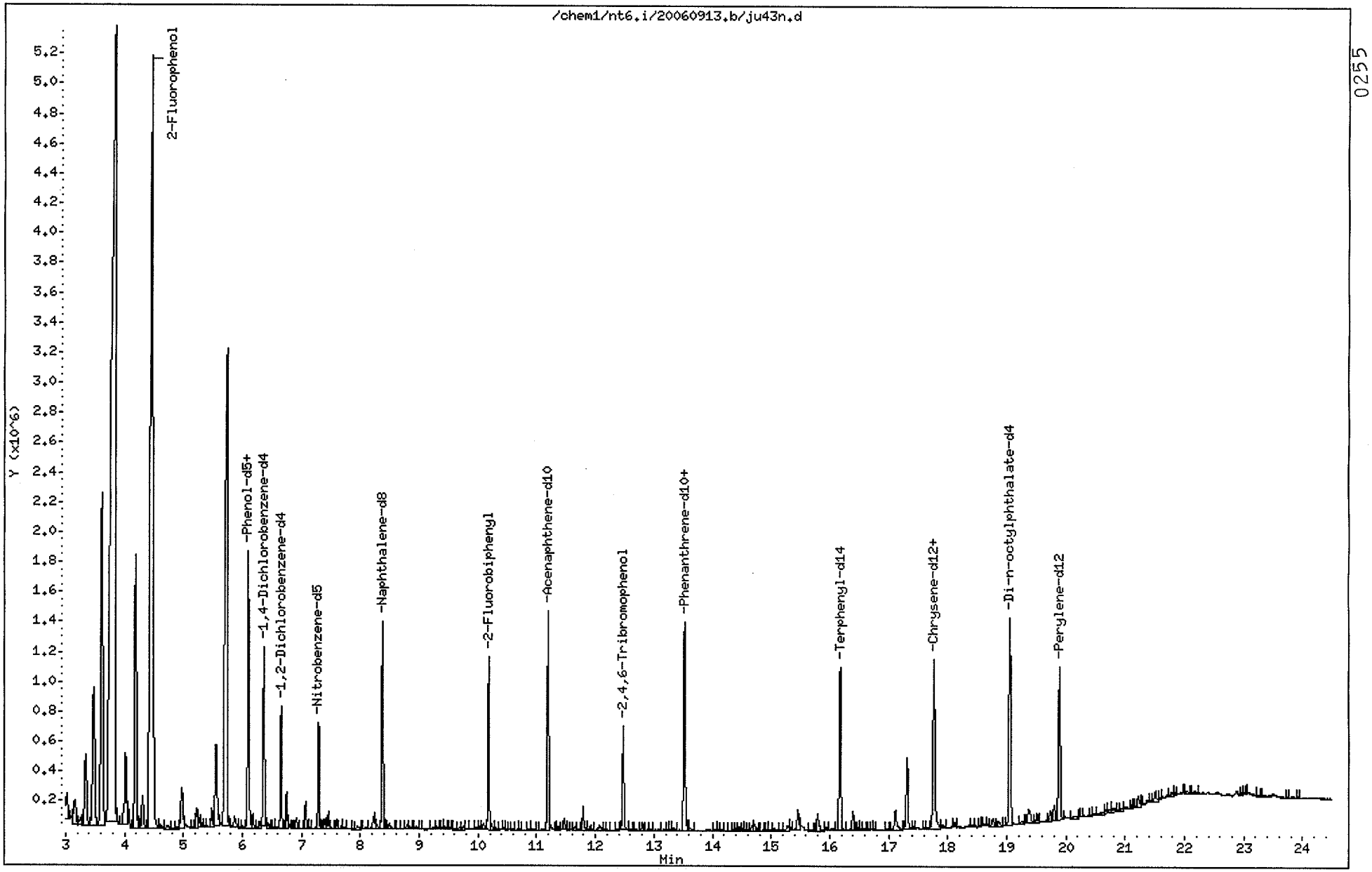
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43N
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15858

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-S3-04-E
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	743.2	430.0	57.85	22-91
$ 2 Phenol-d5	743.2	465.6	62.64	26-99
$ 5 2-Chlorophenol-d4	743.2	475.2	63.94	29-96
$ 10 1,2-Dichlorobenzen	495.5	334.5	67.50	24-87
$ 18 Nitrobenzene-d5	495.5	303.8	61.31	27-101
$ 36 2-Fluorobiphenyl	495.5	328.3	66.26	30-100
$ 55 2,4,6-Tribromophen	743.2	561.0	75.48	20-114
$ 66 Terphenyl-d14	495.5	344.8	69.59	12-120

Data File: /chem1/nt6.i/20060913.b/ju43n.d
Date : 14-SEP-2006 00:32
Client ID: T4-S3-04-E
Sample Info: JU43N
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



0255

Data File: /chem1/nt6.i/20060913.b/ju43n.d

Date : 14-SEP-2006 00:32

Client ID: T4-S3-04-E

Instrument: nt6.i

Sample Info: JU43N

Volume Injected (uL): 1.0

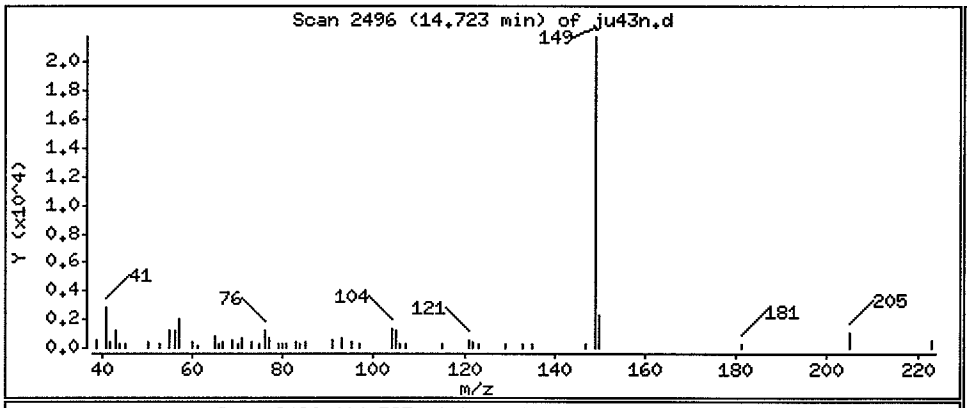
Operator: LJR/vts

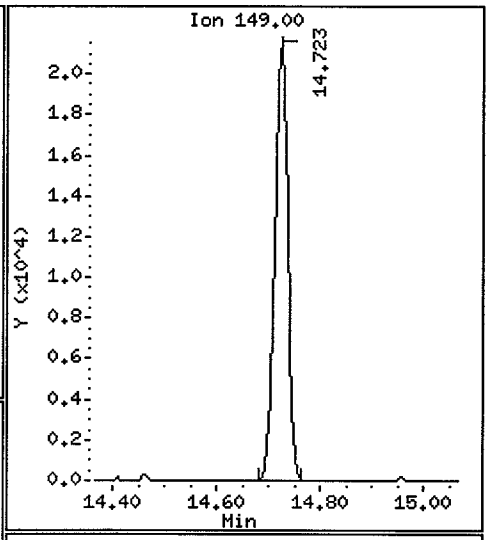
Column phase: ZB-5

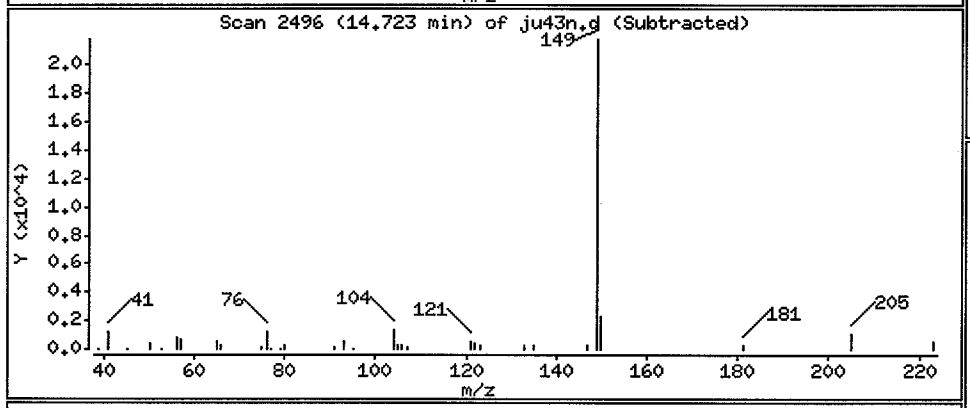
Column diameter: 0.32

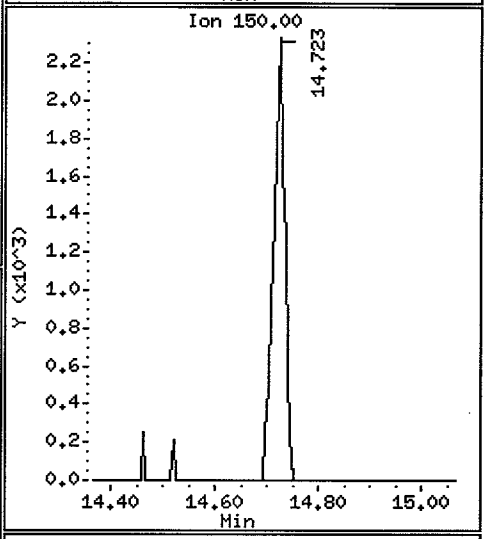
63 Di-n-butylphthalate

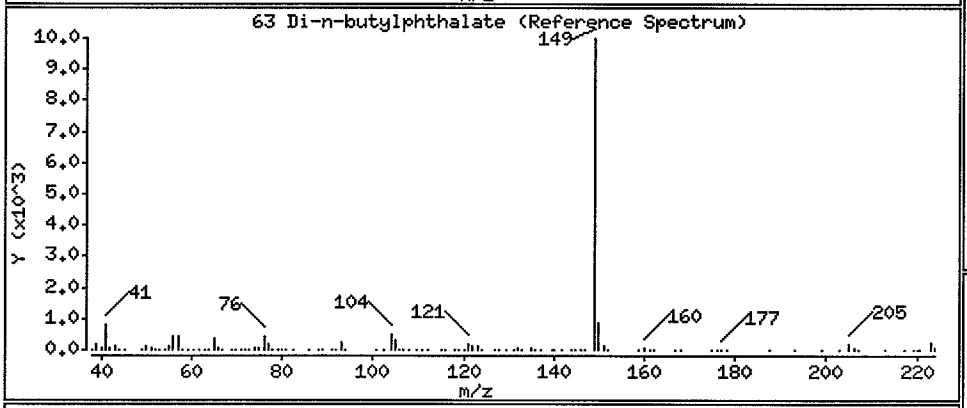
Concentration: 12.97 ug/kg

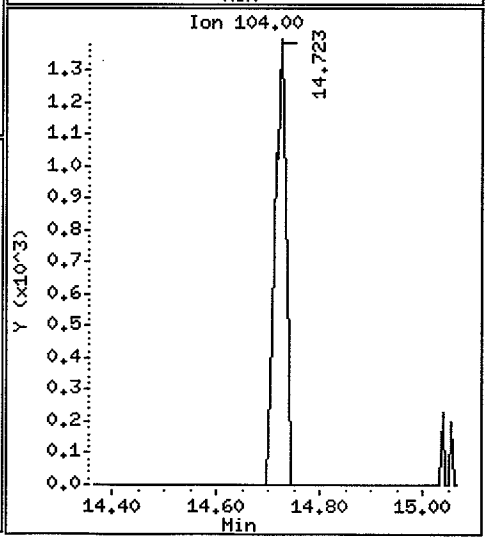


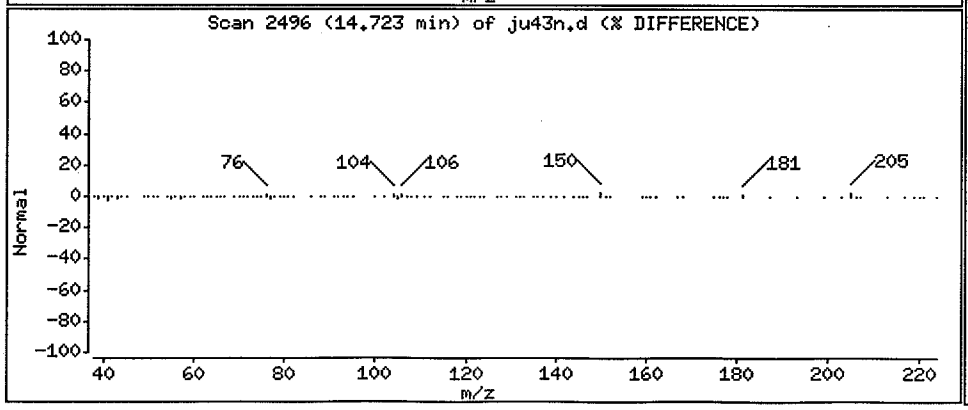












Data File: /chem1/nt6.i/20060913.b/ju43n.d

Date : 14-SEP-2006 00:32

Client ID: T4-S3-04-E

Instrument: nt6.i

Sample Info: JU43N

Volume Injected (uL): 1.0

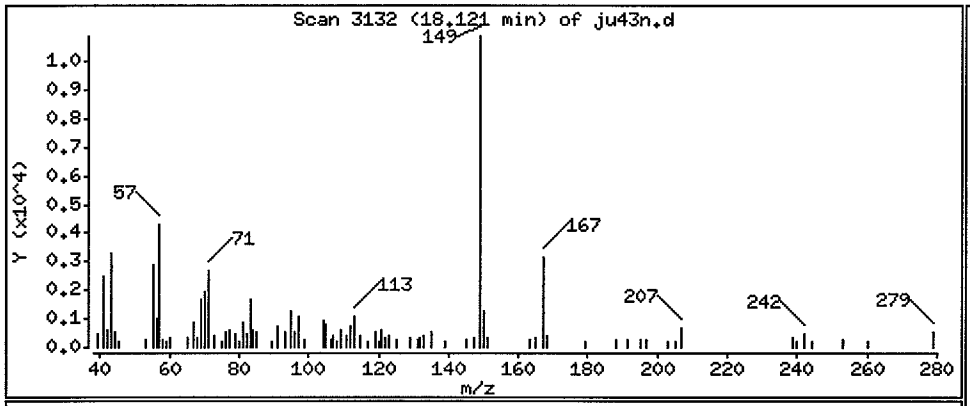
Operator: LJR/vts

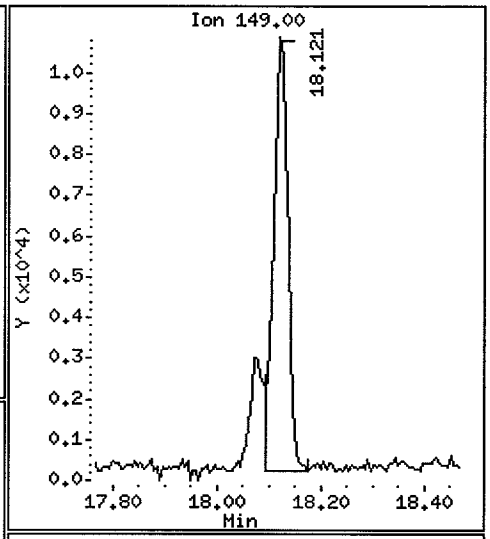
Column phase: ZB-5

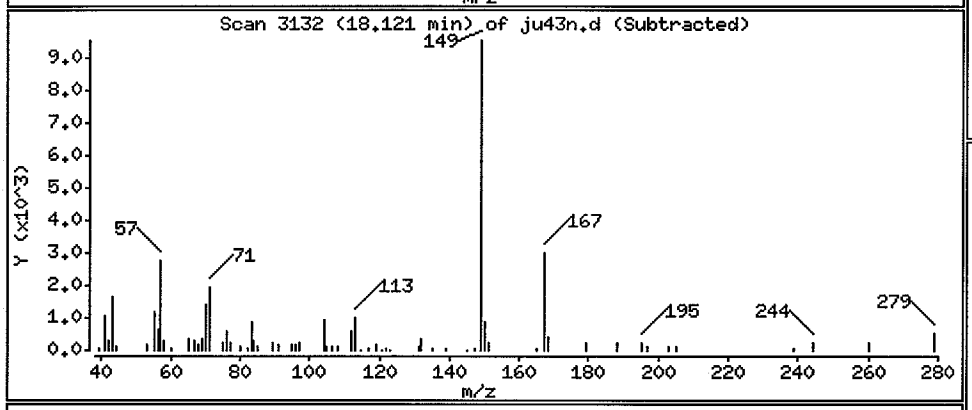
Column diameter: 0.32

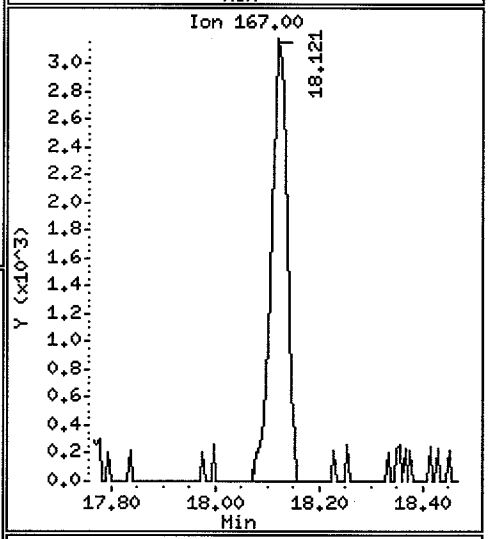
72 bis(2-Ethylhexyl)phthalate

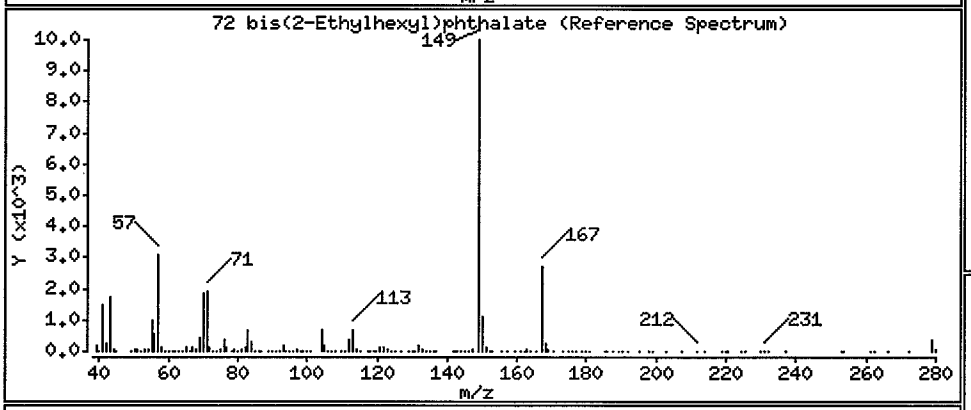
Concentration: 10.93 ug/kg

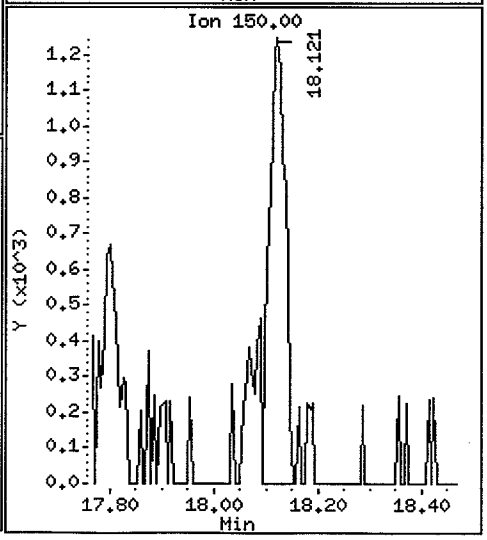


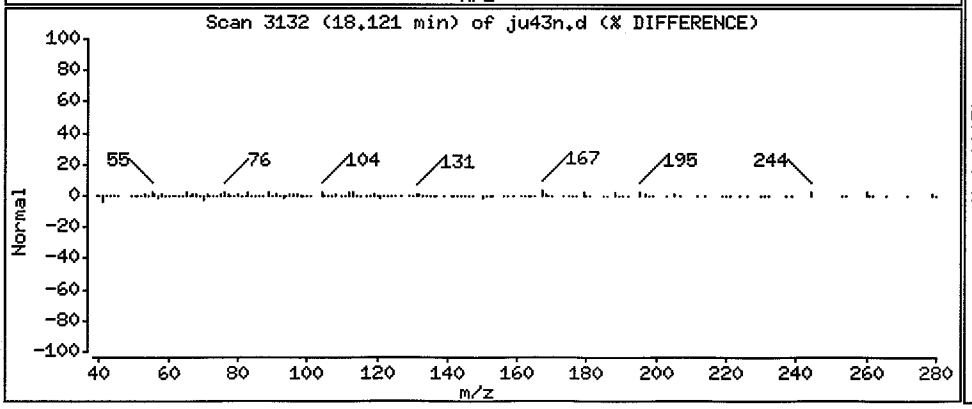












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-04-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU430
LIMS ID: 06-15859
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 01:04
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 24.6%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	63.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43o.d
Lab Smp Id: JU43O Client Smp ID: T4-S3-04-F
Inj Date : 14-SEP-2006 01:04
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43O
Misc Info : 06-15859
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LTK 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	67.80000	Weight of sample extracted (g)
M	24.60000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.490	4.455	(0.705)	429774	20.5105	401.2
$	2 Phenol-d5	99	6.098	6.068	(0.958)	527331	21.6848	424.2
	3 Phenol	94	6.114	6.084	(0.961)	69303	2.42956 B	47.53
$	5 2-Chlorophenol-d4	132	6.114	6.084	(0.961)	442420	22.4124	438.4
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.365	6.357	(1.000)	270687	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.653	6.645	(1.045)	192248	15.8860	310.8
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.289	7.286	(0.870)	349774	14.3112	279.9
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.245	8.355	(0.985)	74370	5.34933 LOL	104.6
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.374	8.371	(1.000)	993092	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.179	10.177	(0.909)	570828	15.6448	306.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.194	11.186	(1.000)	566579	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.476	12.474	(1.115)	99674	24.9428	487.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.518	13.515	(1.000)	859101	20.0000	
	60 Phenanthrene	178	13.550	13.553	(1.002)	31339	0.56846 LOL	11.12
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	15.457	15.449	(1.143)	69495	1.37081	26.81
	65 Pyrene	202	15.794	15.786	(0.889)	66511	1.19242	23.33
$	66 Terphenyl-d14	244	16.173	16.170	(0.910)	533554	15.7552	308.2
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	17.744	17.736	(0.999)	37012	0.85408 LDL	16.71
*	69 Chrysene-d12	240	17.765	17.762	(1.000)	655419	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	17.802	17.800	(1.002)	46119	1.05639	20.66
	72 bis(2-Ethylhexyl)phthalate	149	18.123	18.120	(0.951)	19435	0.50125 LDL	9.805 (MH)
*	134 Di-n-octylphthalate-d4	153	19.053	19.044	(1.000)	1485271	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	19.373	19.365	(0.974)	58901	1.56410	30.60 (M)
	75 Benzo(k)fluoranthene	252	19.389	19.402	(0.975)	34656	0.68653 LDL	13.43 (M)
	76 Benzo(a)pyrene	252	19.800	19.792	(0.996)	25163	0.73392 J	14.36
*	77 Perylene-d12	264	19.886	19.872	(1.000)	605448	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.221	21.213	(1.067)	32146	0.74834 LDL	14.64 (M)
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	21.505	21.502	(1.081)	31210	0.78645	15.38 (M)
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43o.d
Lab Smp Id: JU43O
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15859

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-S3-04-F
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	270687	14.03
27 Naphthalene-d8	860372	430186	1720744	993092	15.43
42 Acenaphthene-d10	494619	247310	989238	566579	14.55
59 Phenanthrene-d10	763854	381927	1527708	859101	12.47
69 Chrysene-d12	565991	282996	1131982	655419	15.80
134 Di-n-octylphthala	1274966	637483	2549932	1485271	16.49
77 Perylene-d12	631478	315739	1262956	605448	-4.12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.13
27 Naphthalene-d8	8.37	7.87	8.87	8.37	0.03
42 Acenaphthene-d10	11.19	10.69	11.69	11.19	0.07
59 Phenanthrene-d10	13.52	13.02	14.02	13.52	0.02
69 Chrysene-d12	17.76	17.26	18.26	17.77	0.02
134 Di-n-octylphthala	19.04	18.54	19.54	19.05	0.04
77 Perylene-d12	19.87	19.37	20.37	19.89	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

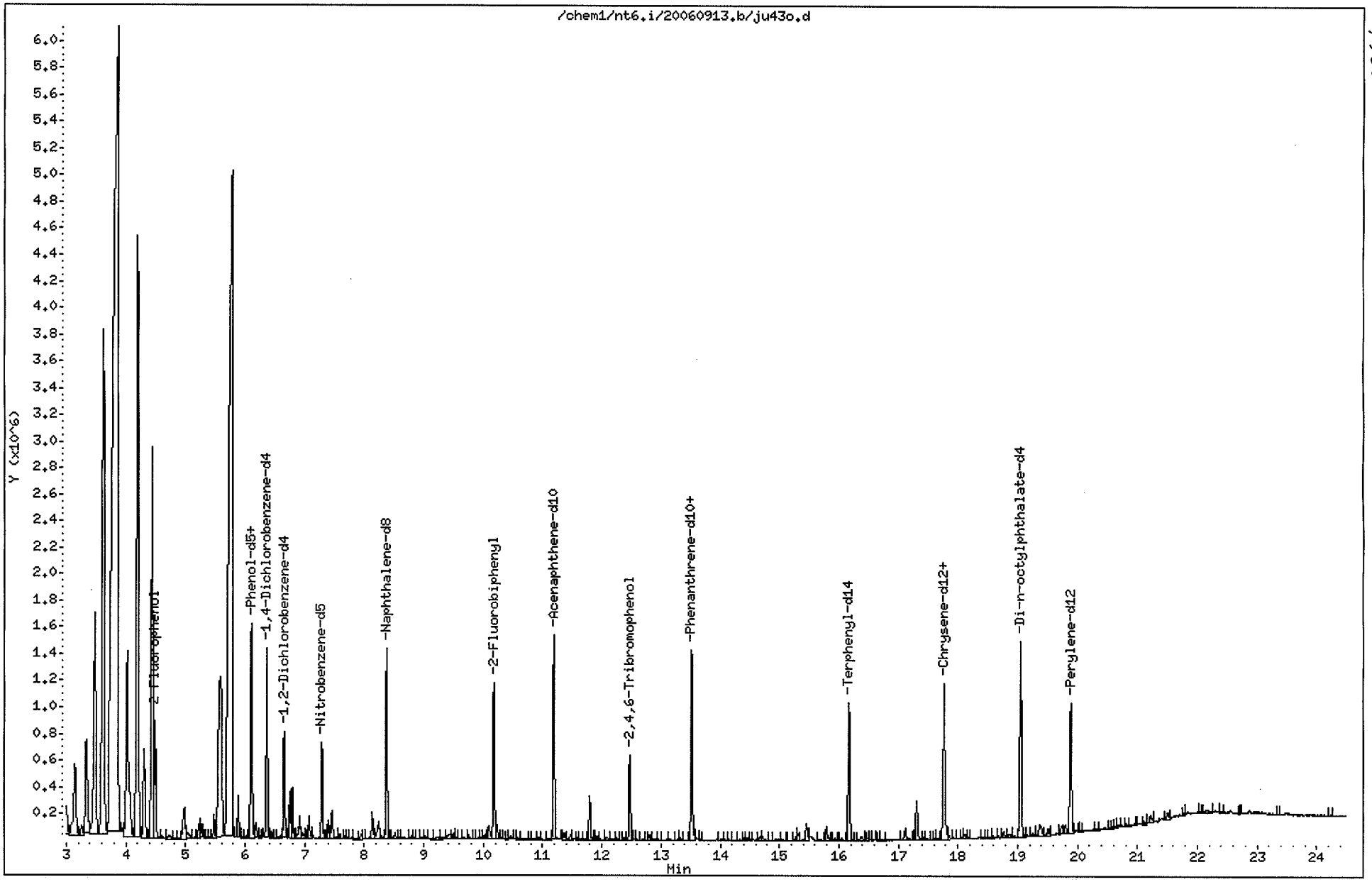
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43O
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15859

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-S3-04-F
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	733.6	401.2	54.69	22-91
$ 2 Phenol-d5	733.6	424.2	57.83	26-99
$ 5 2-Chlorophenol-d4	733.6	438.4	59.77	29-96
$ 10 1,2-Dichlorobenzen	489.0	310.8	63.54	24-87
$ 18 Nitrobenzene-d5	489.0	279.9	57.24	27-101
$ 36 2-Fluorobiphenyl	489.0	306.0	62.58	30-100
$ 55 2,4,6-Tribromophen	733.6	487.9	66.51	20-114
$ 66 Terphenyl-d14	489.0	308.2	63.02	12-120

Data File: /chem1/nt6.i/20060913.b/ju43o.d
Date : 14-SEP-2006 01:04
Client ID: T4-S3-04-F
Sample Info: JU430
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



0264

Data File: /chem1/nt6.i/20060913.b/ju43o.d

Date : 14-SEP-2006 01:04

Client ID: T4-S3-04-F

Instrument: nt6.i

Sample Info: JU430

Volume Injected (uL): 1.0

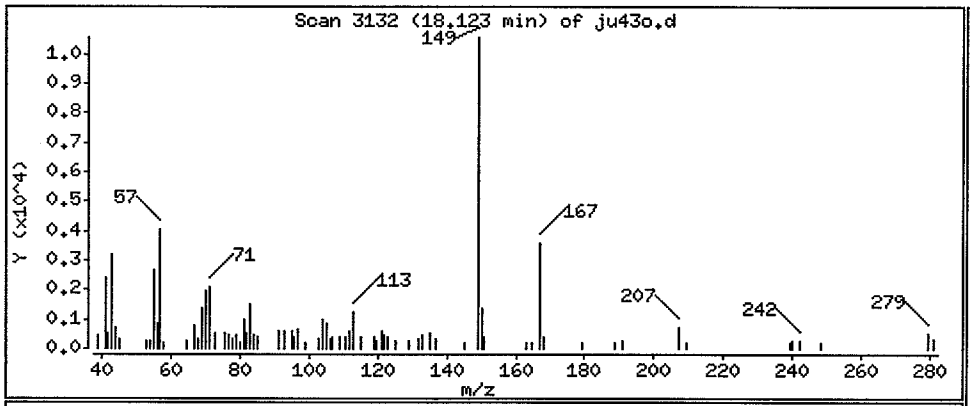
Operator: LJR/vts

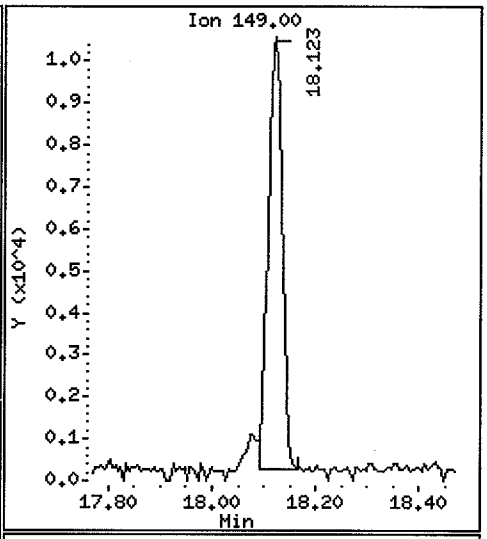
Column phase: ZB-5

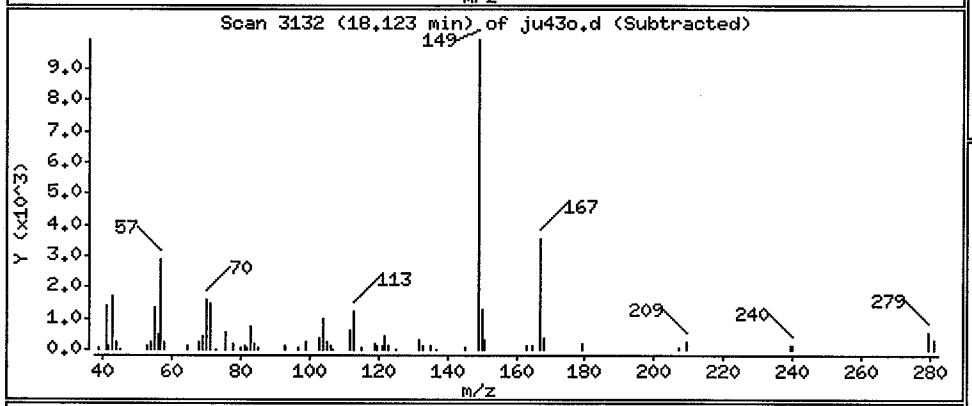
Column diameter: 0.32

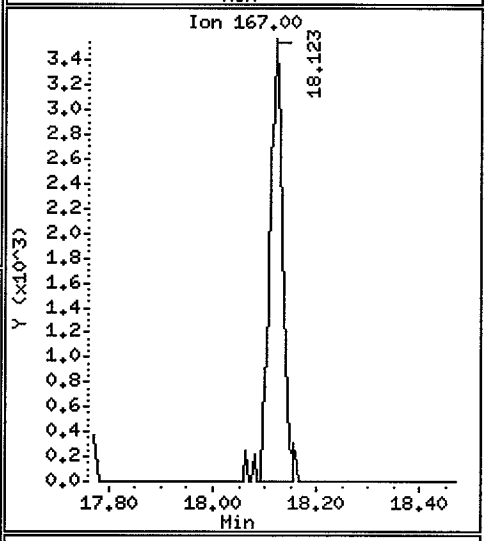
72 bis(2-Ethylhexyl)phthalate

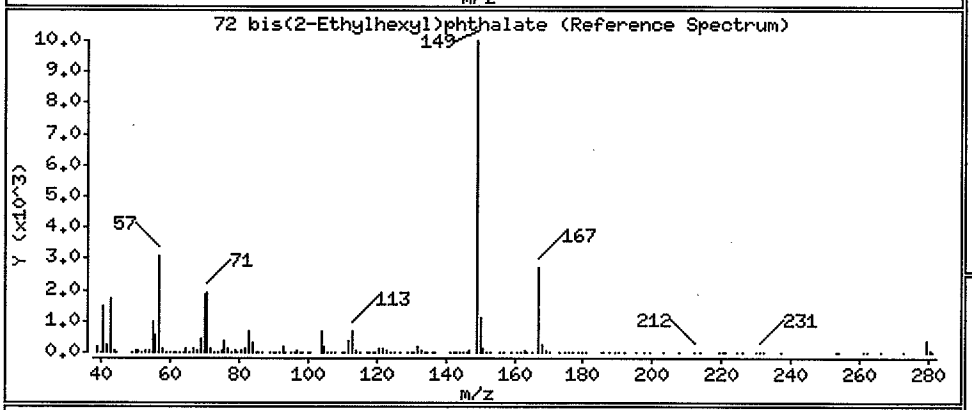
Concentration: 9.805 ug/kg

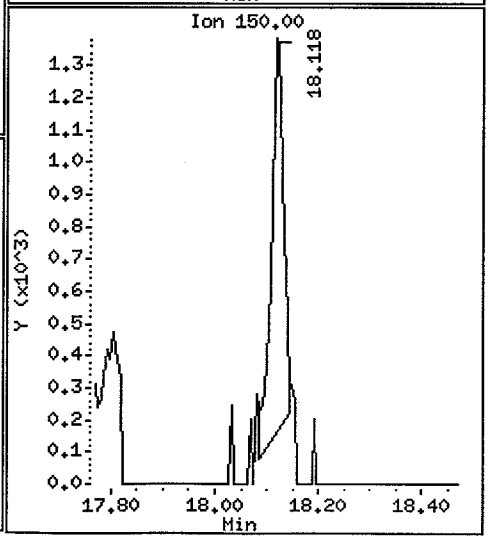


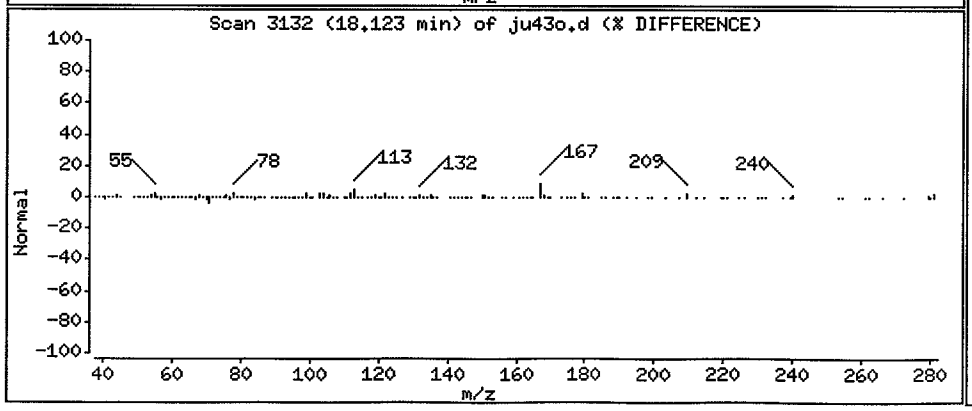












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-E**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43P
LIMS ID: 06-15860
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 01:36
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.8%
pH: 6.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**22**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	56.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43p.d
Lab Smp Id: JU43P Client Smp ID: T4-S3-03-E
Inj Date : 14-SEP-2006 01:36
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43P
Misc Info : 06-15860
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	65.70000	Weight of sample extracted (g)
M	22.80000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.495	4.455	(0.706)	405482	20.8455	411.0
$	2 Phenol-d5	99	6.108	6.068	(0.960)	480090	21.2666	419.3
	3 Phenol	94	6.124	6.084	(0.962)	29369	1.10910 (b)	21.87
$	5 2-Chlorophenol-d4	132	6.108	6.084	(0.960)	405644	22.1362	436.4
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.364	6.357	(1.000)	251283	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.653	6.645	(1.045)	166090	14.7843	291.5
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.288	7.286	(0.870)	302995	13.4422	265.0
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.261	8.355	(0.986)	94809	7.39428 LOL	145.8
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.378	8.371	(1.000)	915892	20.0000	
	28 Naphthalene	128	8.405	8.403	(1.003)	117094	2.28714	45.09
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	9.521	9.514	(1.136)	42459	1.67862	33.10
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.184	10.177	(0.909)	487401	14.4215	284.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	10.942	10.935	(0.977)	42733	0.89221 LOL	17.59
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.199	11.186	(1.000)	524808	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.247	11.240	(1.004)	92388	3.08989	60.92
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	12.054	12.046	(1.076)	47960	1.44451	28.48(M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	12.347	12.324	(0.912)	18523	1.22720 Y	24.20(M)
$	55 2,4,6-Tribromophenol	330	12.486	12.474	(1.115)	93138	25.1623	496.1
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.533	13.515	(1.000)	724256	20.0000	
	60 Phenanthrene	178	13.571	13.553	(1.003)	702881	16.5662	326.6(M)
	61 Anthracene	178	13.635	13.622	(1.008)	126382	2.91892	57.55
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	15.542	15.449	(1.148)	906001	21.1984	417.9
	65 Pyrene	202	15.852	15.786	(0.891)	1441209	29.0557	572.9
$	66 Terphenyl-d14	244	16.199	16.170	(0.910)	421274	13.9888	275.8
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	17.775	17.736	(0.999)	404458	10.4954	206.9
*	69 Chrysene-d12	240	17.796	17.762	(1.000)	582839	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	17.834	17.800	(1.002)	571224	14.7137	290.1
	72 bis(2-Ethylhexyl)phthalate	149	18.138	18.120	(0.951)	35353	1.12903	22.26
*	134 Di-n-octylphthalate-d4	153	19.073	19.044	(1.000)	1199486	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	19.426	19.365	(0.975)	505015	12.8651	253.6(M)
	75 Benzo(k)fluoranthene	252	19.431	19.402	(0.975)	319793	6.79080	133.9(M)
	76 Benzo(a)pyrene	252	19.848	19.792	(0.996)	491738	13.7591	271.3
*	77 Perylene-d12	264	19.933	19.872	(1.000)	631116	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.274	21.213	(1.067)	352925	7.88178	155.4(M)
	79 Dibenzo(a,h)anthracene	278	21.301	21.251	(1.069)	92889	2.50319	49.35(M)
	80 Benzo(g,h,i)perylene	276	21.563	21.502	(1.082)	421671	10.1935	201.0(M)
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	9.687	9.680	(1.156)	24541	0.95284 LBC	18.79(M)
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43p.d
Lab Smp Id: JU43P
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15860

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-S3-03-E
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	251283	5.86
27 Naphthalene-d8	860372	430186	1720744	915892	6.45
42 Acenaphthene-d10	494619	247310	989238	524808	6.10
59 Phenanthrene-d10	763854	381927	1527708	724256	-5.18
69 Chrysene-d12	565991	282996	1131982	582839	2.98
134 Di-n-octylphthala	1274966	637483	2549932	1199486	-5.92
77 Perylene-d12	631478	315739	1262956	631116	-0.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.12
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.09
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.11
59 Phenanthrene-d10	13.52	13.02	14.02	13.53	0.13
69 Chrysene-d12	17.76	17.26	18.26	17.80	0.19
134 Di-n-octylphthala	19.04	18.54	19.54	19.07	0.15
77 Perylene-d12	19.87	19.37	20.37	19.93	0.31

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

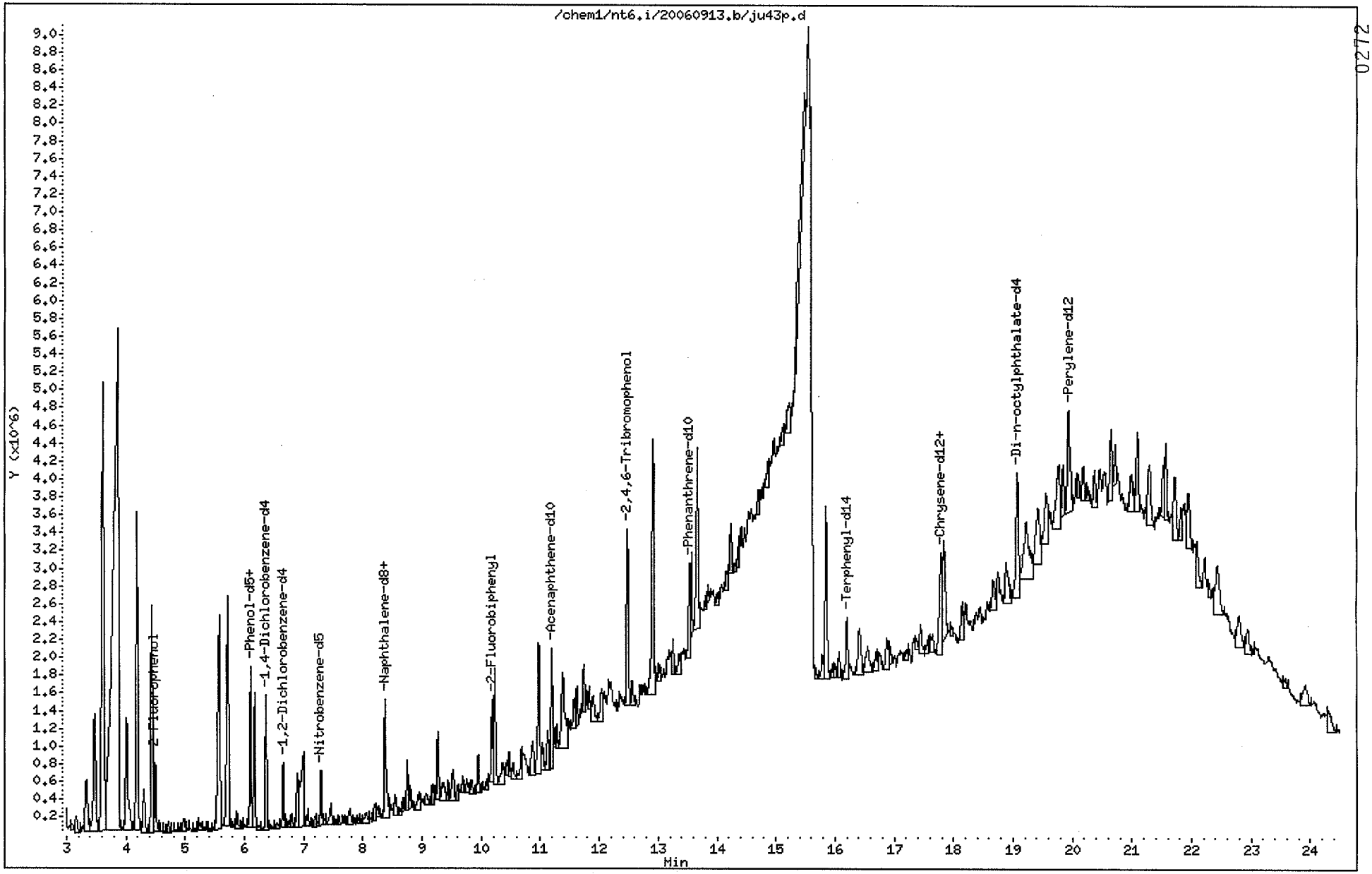
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43P
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15860

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-S3-03-E
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	739.3	411.0	55.59	22-91
$ 2 Phenol-d5	739.3	419.3	56.71	26-99
$ 5 2-Chlorophenol-d4	739.3	436.4	59.03	29-96
$ 10 1,2-Dichlorobenzen	492.9	291.5	59.14	24-87
$ 18 Nitrobenzene-d5	492.9	265.0	53.77	27-101
$ 36 2-Fluorobiphenyl	492.9	284.3	57.69	30-100
$ 55 2,4,6-Tribromophen	739.3	496.1	67.10	20-114
$ 66 Terphenyl-d14	492.9	275.8	55.96	12-120

Data File: /chem1/nt6.i/20060913.b/ju43p.d
Date : 14-SEP-2006 01:36
Client ID: T4-S3-03-E
Sample Info: JU43P
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43p.d

Date : 14-SEP-2006 01:36

Client ID: T4-S3-03-E

Instrument: nt6.i

Sample Info: JU43P

Volume Injected (uL): 1.0

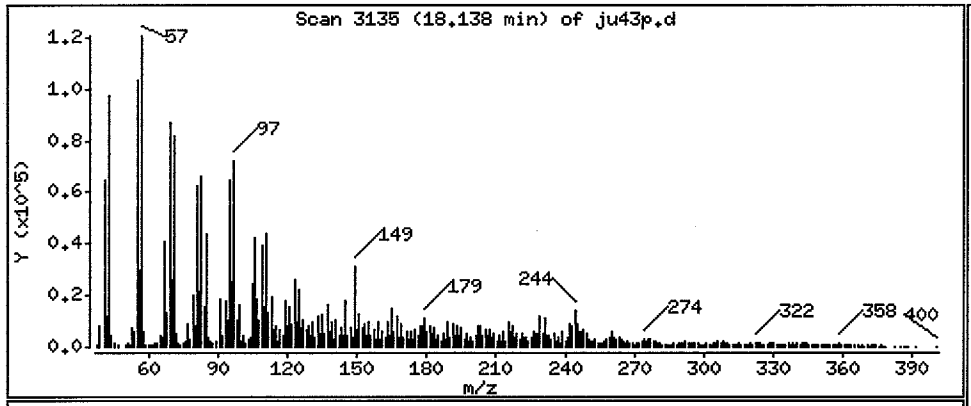
Operator: LJR/vts

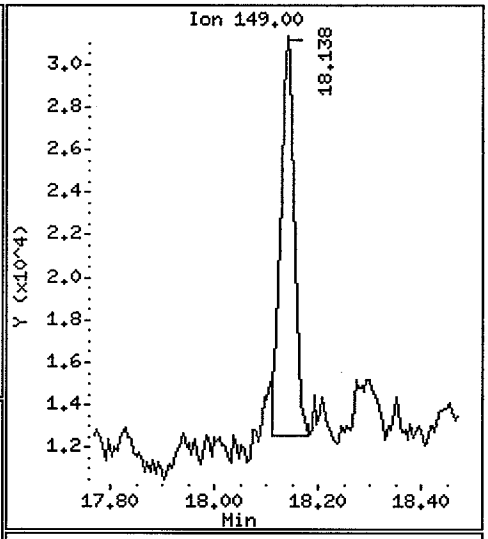
Column phase: ZB-5

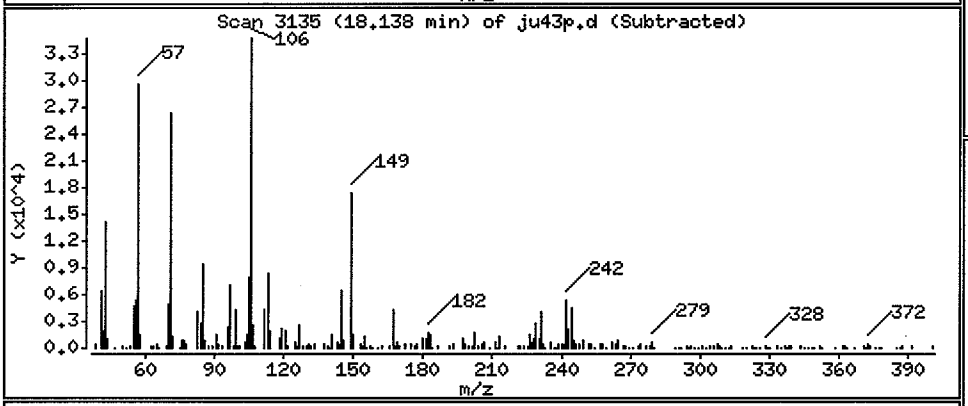
Column diameter: 0.32

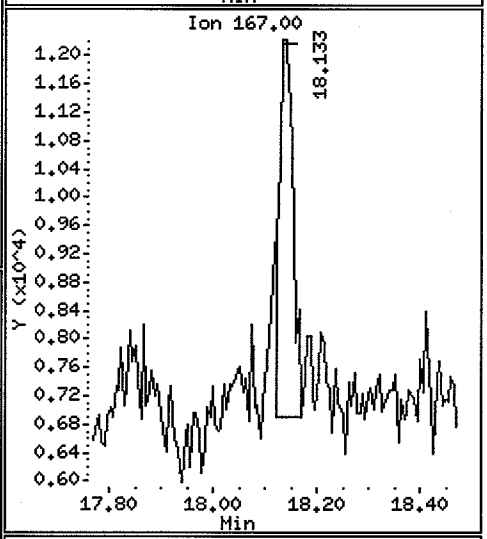
72 bis(2-Ethylhexyl)phthalate

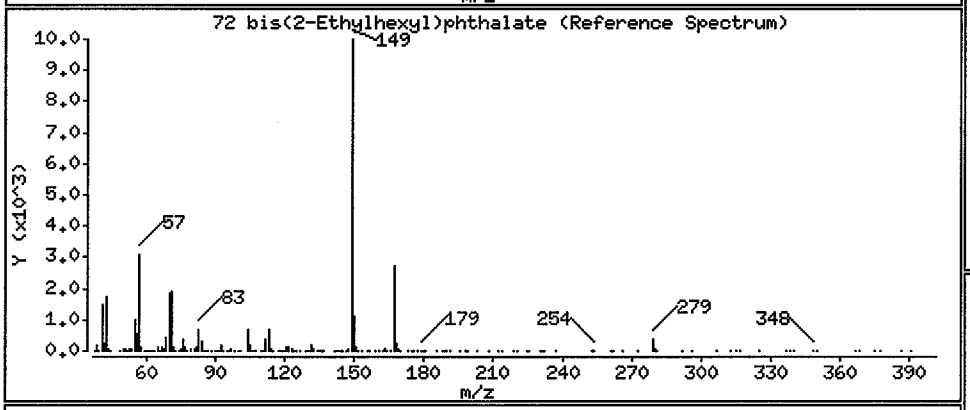
Concentration: 22.26 ug/kg

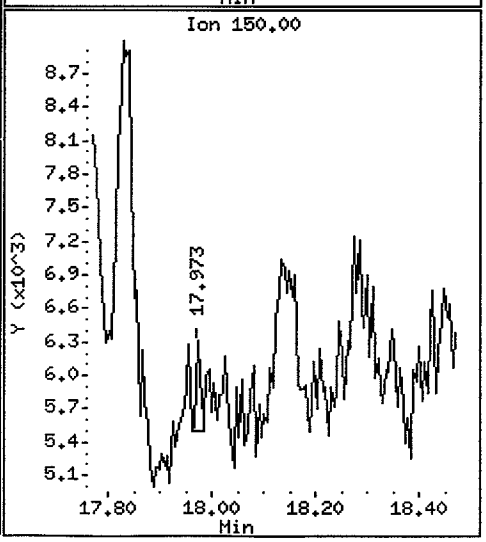


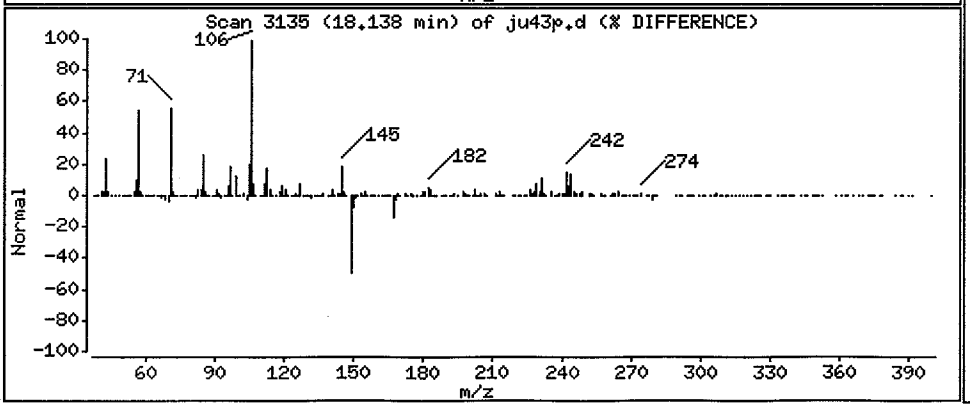












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-F**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43Q
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 02:07
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 19.5%
pH: 5.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	55.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43q.d
Lab Smp Id: JU43Q Client Smp ID: T4-S3-03-F
Inj Date : 14-SEP-2006 02:07
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43Q
Misc Info : 06-15861
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	63.60000	Weight of sample extracted (g)
M	19.50000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.492	4.455	(0.706)	388587	20.0199	391.0
$	2 Phenol-d5	99	6.095	6.068	(0.957)	465341	20.6577	403.5
	3 Phenol	94	6.111	6.084	(0.960)	37177	1.40698 B	27.48
$	5 2-Chlorophenol-d4	132	6.105	6.084	(0.959)	389900	21.3228	416.5
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.367	6.357	(1.000)	250743	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.656	6.645	(1.045)	158906	14.1753	276.9
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.291	7.286	(0.871)	285121	12.7501	249.0
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.253	8.355	(0.985)	53862	4.23427 LOL	82.70(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.376	8.371	(1.000)	908646	20.0000	
	28 Naphthalene	128	8.408	8.403	(1.004)	34577	0.67327 LOL	13.15
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.181	10.177	(0.909)	480414	14.0833	275.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.196	11.186	(1.000)	529705	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.239	11.240	(1.004)	24660	0.81712 LOL	15.96
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.478	12.474	(1.115)	91662	24.5346	479.2
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.525	13.515	(1.000)	773622	20.0000	
	60 Phenanthrene	178	13.563	13.553	(1.003)	201140	4.14410	80.94
	61 Anthracene	178	13.632	13.622	(1.008)	35057	0.75801 LOL	14.81
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	Compound Not Detected.					
64	Fluoranthene	202	15.491	15.449	(1.145)	299923	6.56973	128.3
65	Pyrene	202	15.812	15.786	(0.889)	355069	6.88436	134.5
$ 66	Terphenyl-d14	244	16.181	16.170	(0.910)	433330	13.8382	270.3
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.751	17.736	(0.998)	110748	2.76380	53.98
* 69	Chrysene-d12	240	17.778	17.762	(1.000)	606042	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.810	17.800	(1.002)	144010	3.56741	69.68
72	bis(2-Ethylhexyl)phthalate	149	18.125	18.120	(0.951)	19657	0.56180 LDL	10.97(M)
* 134	Di-n-octylphthalate-d4	153	19.060	19.044	(1.000)	1340328	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.386	19.365	(0.974)	117614	2.93886	57.40(M)
75	Benzo(k)fluoranthene	252	19.396	19.402	(0.974)	111967	2.15077	42.01(M)
76	Benzo(a)pyrene	252	19.819	19.792	(0.996)	113549	3.11638	60.87
* 77	Perylene-d12	264	19.904	19.872	(1.000)	643427	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.234	21.213	(1.067)	95523	2.09247	40.87
79	Dibenzo(a,h)anthracene	278	21.266	21.251	(1.068)	28995	0.76641 LDL	14.97(M)
80	Benzo(g,h,i)perylene	276	21.523	21.502	(1.081)	103094	2.44451	47.75(M)
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43q.d
Lab Smp Id: JU43Q
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15861

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-S3-03-F
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	250743	5.63
27 Naphthalene-d8	860372	430186	1720744	908646	5.61
42 Acenaphthene-d10	494619	247310	989238	529705	7.09
59 Phenanthrene-d10	763854	381927	1527708	773622	1.28
69 Chrysene-d12	565991	282996	1131982	606042	7.08
134 Di-n-octylphthala	1274966	637483	2549932	1340328	5.13
77 Perylene-d12	631478	315739	1262956	643427	1.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.37	0.16
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.06
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.09
59 Phenanthrene-d10	13.52	13.02	14.02	13.53	0.08
69 Chrysene-d12	17.76	17.26	18.26	17.78	0.09
134 Di-n-octylphthala	19.04	18.54	19.54	19.06	0.08
77 Perylene-d12	19.87	19.37	20.37	19.90	0.16

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

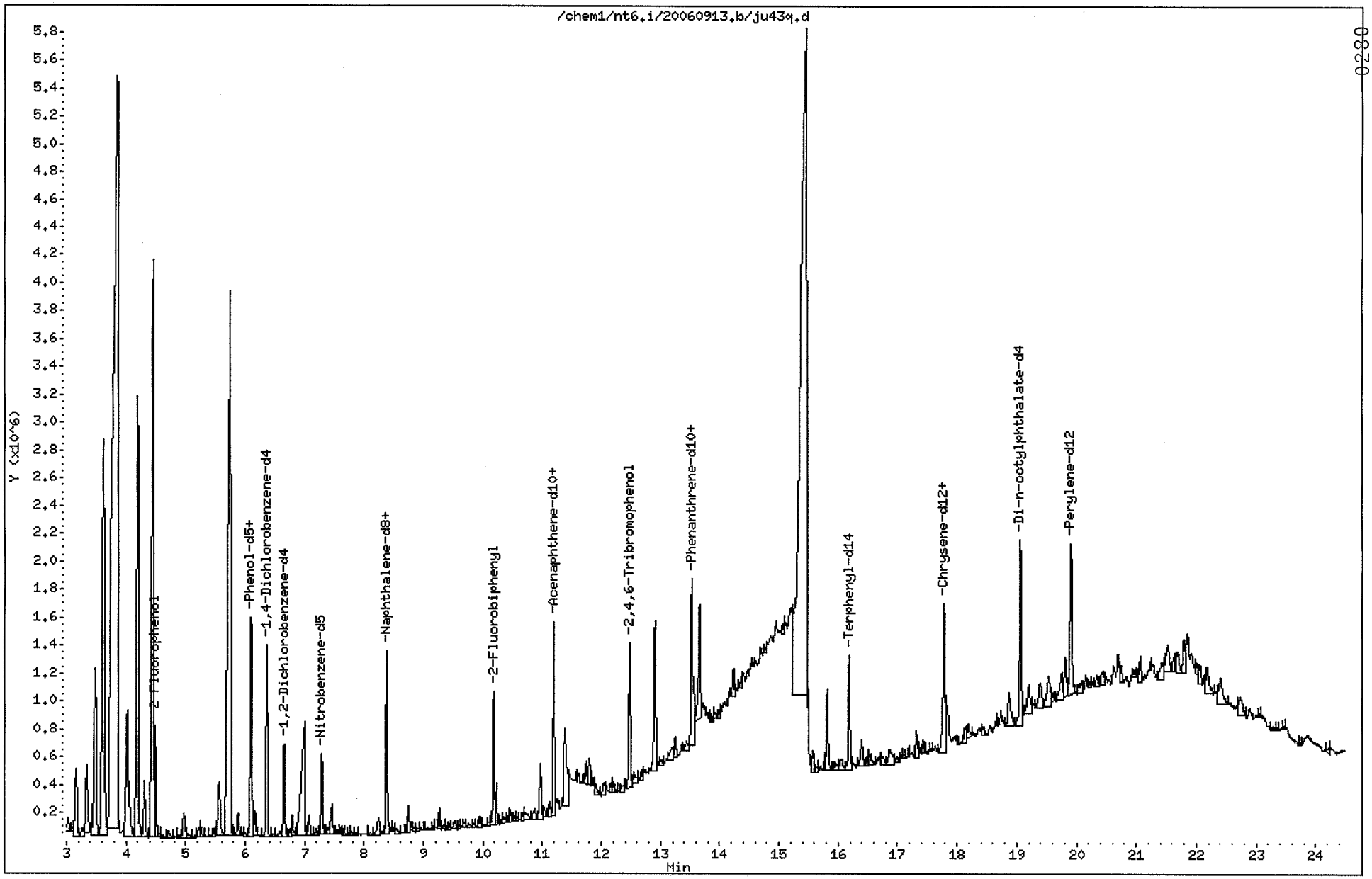
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43Q
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15861

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-S3-03-F
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	732.5	391.0	53.39	22-91
$ 2 Phenol-d5	732.5	403.5	55.09	26-99
$ 5 2-Chlorophenol-d4	732.5	416.5	56.86	29-96
$ 10 1,2-Dichlorobenzen	488.3	276.9	56.70	24-87
$ 18 Nitrobenzene-d5	488.3	249.0	51.00	27-101
$ 36 2-Fluorobiphenyl	488.3	275.1	56.33	30-100
$ 55 2,4,6-Tribromophen	732.5	479.2	65.43	20-114
$ 66 Terphenyl-d14	488.3	270.3	55.35	12-120

Data File: /chem1/nt6.i/20060913.b/ju43q.d
Date : 14-SEP-2006 02:07
Client ID: T4-S3-03-F
Sample Info: JU43Q
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43q.d

Date : 14-SEP-2006 02:07

Client ID: T4-S3-03-F

Instrument: nt6.i

Sample Info: JU43Q

Volume Injected (uL): 1.0

Operator: LJR/vts

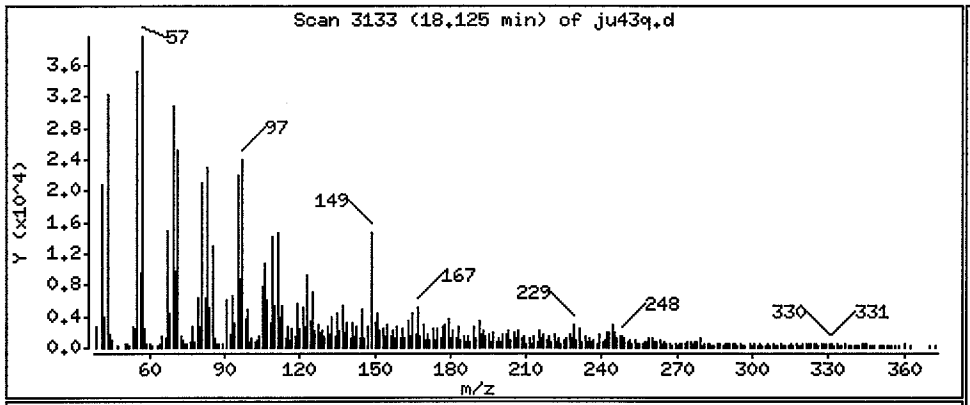
Column phase: ZB-5

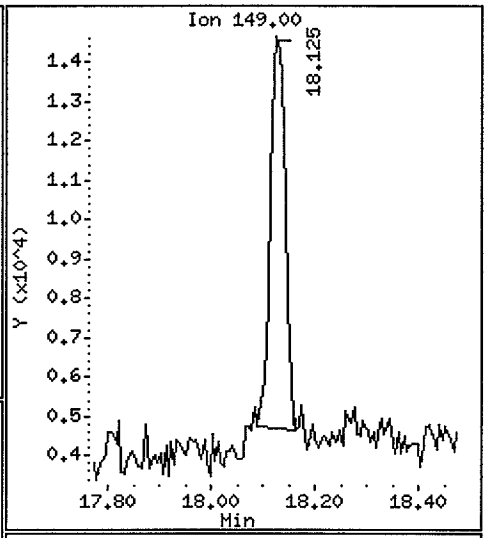
Column diameter: 0.32

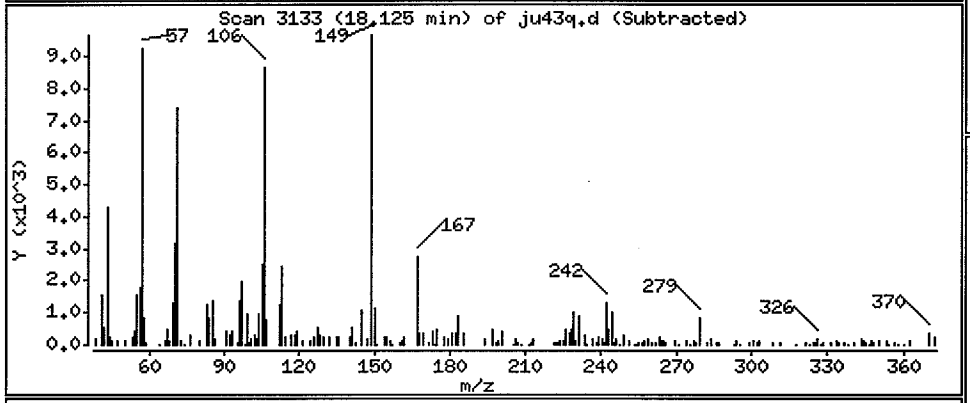
72 bis(2-Ethylhexyl)phthalate

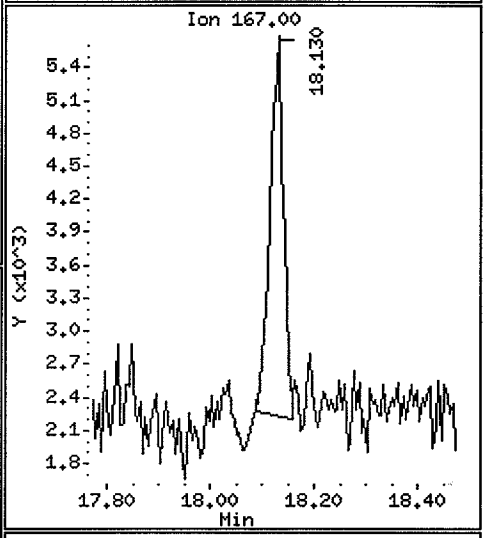
Concentration: 10.97 ug/kg

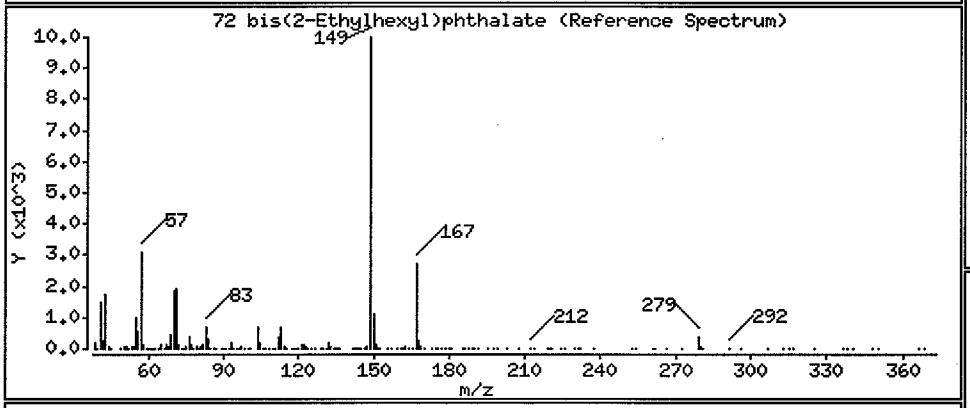
LRL

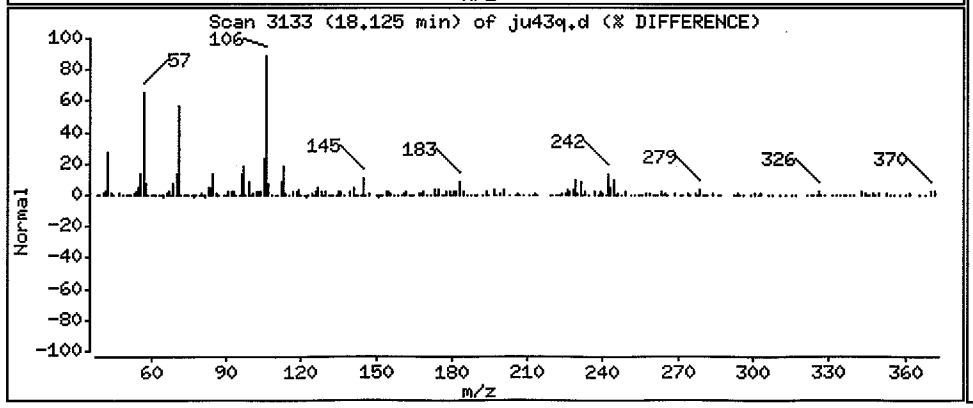


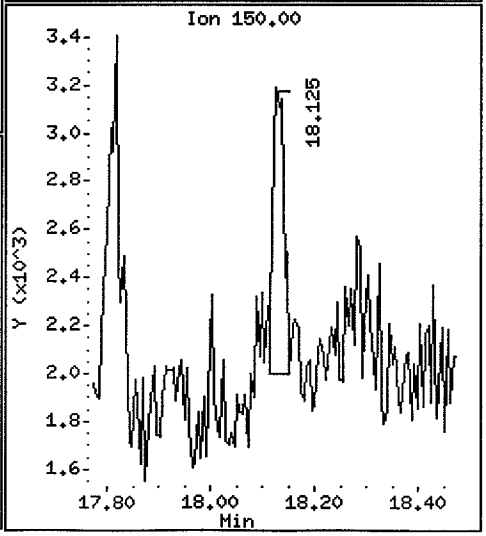












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-G**
Page 1 of 1 **SAMPLE**

Lab Sample ID: JU43R
LIMS ID: 06-15862
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 10:56
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 29.3%
pH: 5.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	46.4%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060914.b/ju43r2.d
Lab Smp Id: JU43R Client Smp ID: T4-S3-03-G
Inj Date : 14-SEP-2006 10:56
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43R
Misc Info : 06-15862
Comment : 1ul Injection
Method : /chem1/nt6.i/20060914.b/SW846.m
Meth Date : 14-Sep-2006 12:30 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	71.50000	Weight of sample extracted (g)
M	29.30000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.336	4.327	(0.695)	207323	13.0698	258.5
$	2 Phenol-d5	99	5.966	5.967	(0.956)	297740	16.1731	319.9
	3 Phenol	94	5.987	5.983	(0.960)	18043	0.83554 LOL	16.53
$	5 2-Chlorophenol-d4	132	5.971	5.972	(0.957)	241157	16.1376	319.2
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.238	6.239	(1.000)	204919	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.527	6.528	(1.046)	99919	10.9065	215.8
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	7.120	7.121	(1.141)	14971	1.02662	20.31
$	18 Nitrobenzene-d5	82	7.168	7.174	(0.869)	181666	10.4875	207.5
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.124	8.243	(0.984)	49761	5.05008 LOL	99.90(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.252	8.259	(1.000)	703852	20.0000	
	28 Naphthalene	128	8.284	8.285	(1.004)	45602	1.15010	22.75
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.063	10.064	(0.909)	312771	12.6922	251.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.067	11.069	(1.000)	382661	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.115	11.117	(1.004)	26464	1.21386	24.01
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.349	12.351	(1.116)	57940	21.4678	424.7
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.391	13.387	(1.000)	530958	20.0000	
	60 Phenanthrene	178	13.423	13.424	(1.002)	227520	6.94494	137.4
	61 Anthracene	178	13.493	13.494	(1.008)	33232	1.04695	20.71
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	14.609	14.600	(1.091)	22568	0.62066	12.28(M)
64	Fluoranthene	202	15.346	15.321	(1.146)	364627	11.6374	230.2
65	Pyrene	202	15.672	15.657	(0.889)	447082	10.7229	212.1
$ 66	Terphenyl-d14	244	16.046	16.042	(0.910)	294346	11.6276	230.0
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.611	17.602	(0.999)	140299	4.33110	85.68
* 69	Chrysene-d12	240	17.633	17.623	(1.000)	489925	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.670	17.666	(1.002)	183176	5.61309	111.0
72	bis(2-Ethylhexyl)phthalate	149	18.007	17.997	(0.951)	27448	0.94365	18.67(M)
* 134	Di-n-octylphthalate-d4	153	18.931	18.922	(1.000)	1114231	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	19.246	19.231	(0.974)	163225	4.56437	90.29(M)
75	Benzo(k)fluoranthene	252	19.257	19.263	(0.975)	116382	2.51988	49.85(M)
76	Benzo(a)pyrene	252	19.668	19.659	(0.995)	157760	4.84548	95.85
* 77	Perylene-d12	264	19.759	19.739	(1.000)	574944	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.084	21.080	(1.067)	118434	2.90337	57.43(M)
79	Dibenzo(a,h)anthracene	278	21.121	21.112	(1.069)	28780	0.85134	16.84(M)
80	Benzo(g,h,i)perylene	276	21.367	21.363	(1.081)	146074	3.87618	76.68
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43r2.d
Lab Smp Id: JU43R
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060914.b/SW846.m
Misc Info: 06-15862

Calibration Date: 14-SEP-2006
Calibration Time: 09:25
Client Smp ID: T4-S3-03-G
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	208683	104342	417366	204919	-1.80
27 Naphthalene-d8	725629	362814	1451258	703852	-3.00
42 Acenaphthene-d10	396823	198412	793646	382661	-3.57
59 Phenanthrene-d10	548113	274056	1096226	530958	-3.13
69 Chrysene-d12	378308	189154	756616	489925	29.50
134 Di-n-octylphthala	920406	460203	1840812	1114231	21.06
77 Perylene-d12	478845	239422	957690	574944	20.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.24	5.74	6.74	6.24	-0.02
27 Naphthalene-d8	8.26	7.76	8.76	8.25	-0.08
42 Acenaphthene-d10	11.07	10.57	11.57	11.07	-0.01
59 Phenanthrene-d10	13.39	12.89	13.89	13.39	0.03
69 Chrysene-d12	17.62	17.12	18.12	17.63	0.05
134 Di-n-octylphthala	18.92	18.42	19.42	18.93	0.05
77 Perylene-d12	19.74	19.24	20.24	19.76	0.10

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

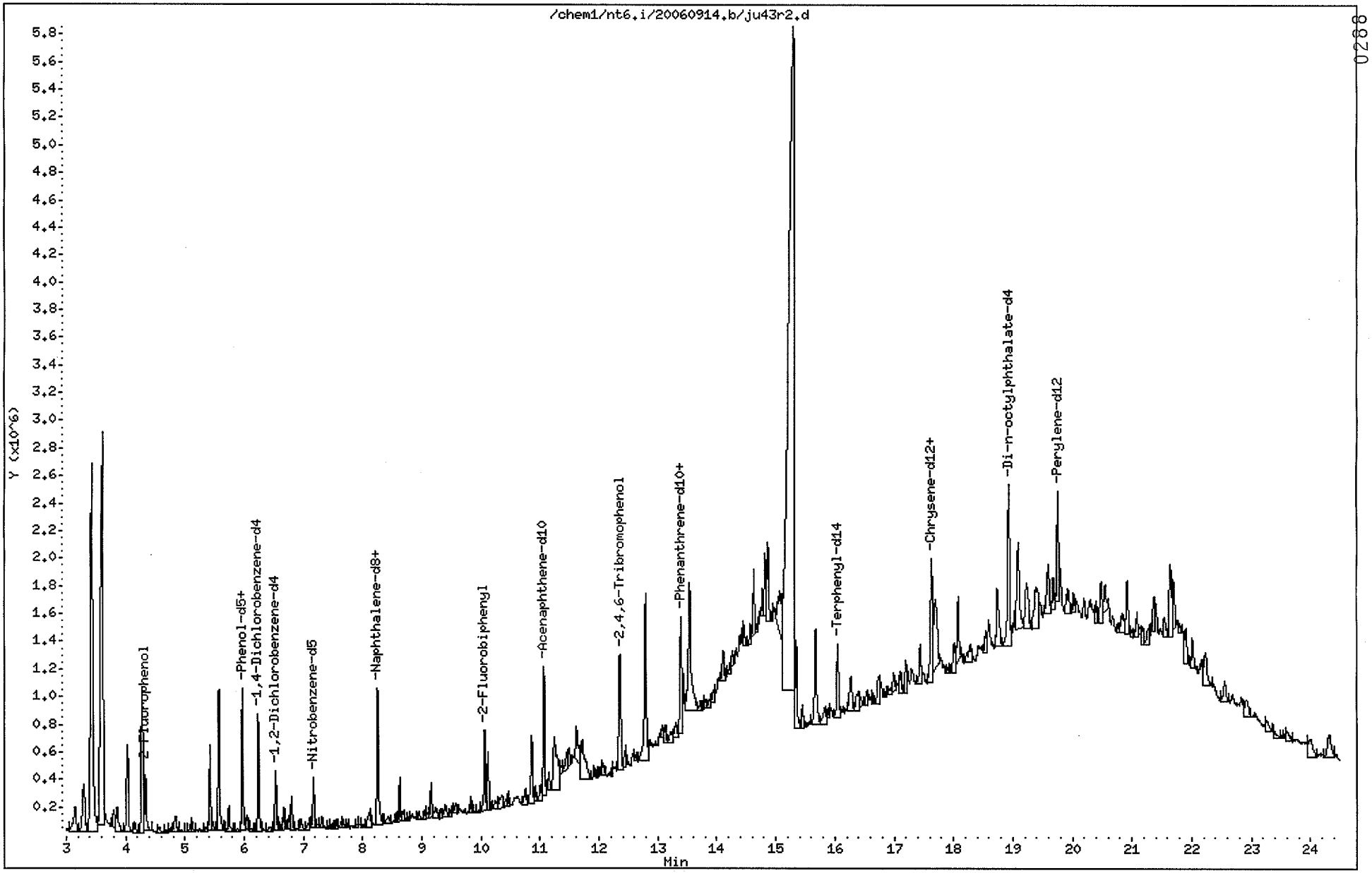
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43R
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060914.b/SW846.m
Misc Info: 06-15862

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-S3-03-G
Operator: LJR/vts
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	741.8	258.5	34.85	22-91
$ 2 Phenol-d5	741.8	319.9	43.13	26-99
$ 5 2-Chlorophenol-d4	741.8	319.2	43.03	29-96
$ 10 1,2-Dichlorobenzen	494.6	215.8	43.63	24-87
$ 18 Nitrobenzene-d5	494.6	207.5	41.95	27-101
$ 36 2-Fluorobiphenyl	494.6	251.1	50.77	30-100
$ 55 2,4,6-Tribromophen	741.8	424.7	57.25	20-114
$ 66 Terphenyl-d14	494.6	230.0	46.51	12-120

Data File: /chem1/nt6.i/20060914.b/ju43r2.d
Date : 14-SEP-2006 10:56
Client ID: T4-S3-03-G
Sample Info: JU43R
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060914.b/ju43r2.d

Date : 14-SEP-2006 10:56

Client ID: T4-S3-03-G

Instrument: nt6.i

Sample Info: JU43R

Volume Injected (uL): 1.0

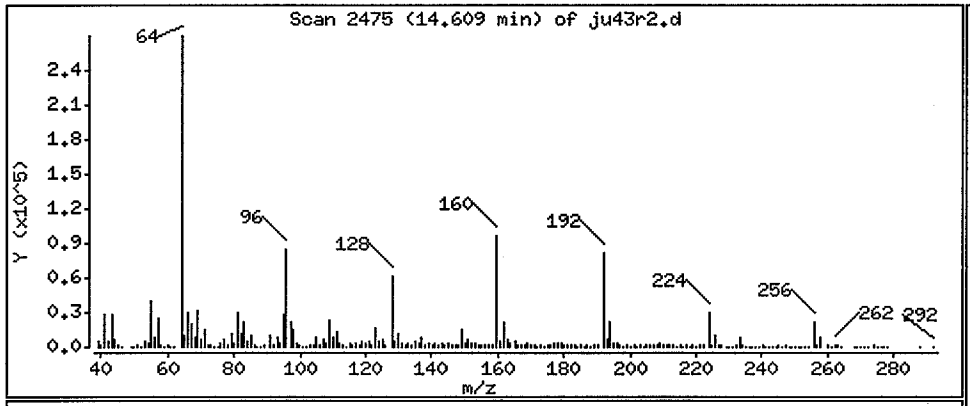
Operator: LJR/vts

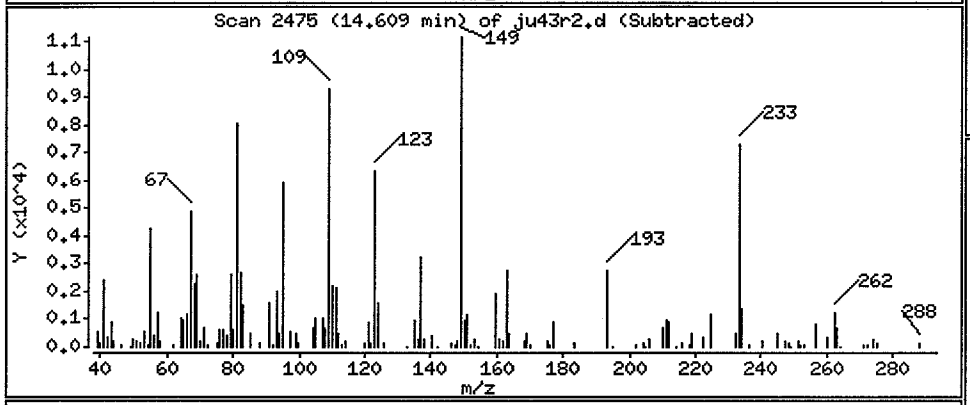
Column phase: ZB-5

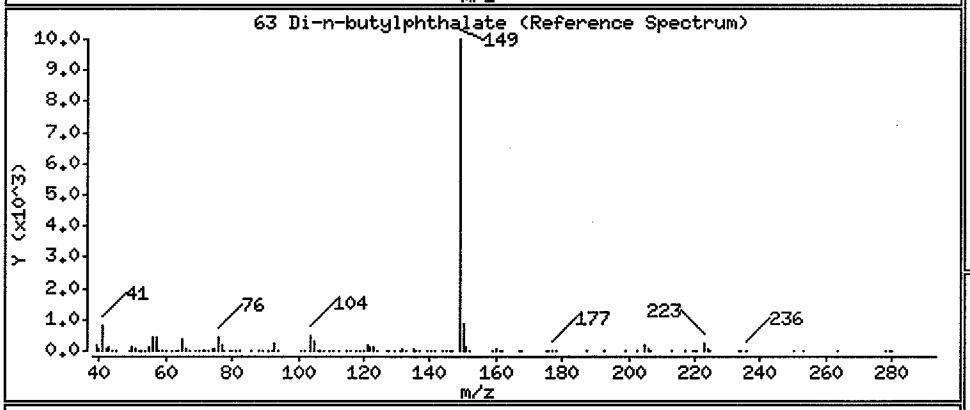
Column diameter: 0.32

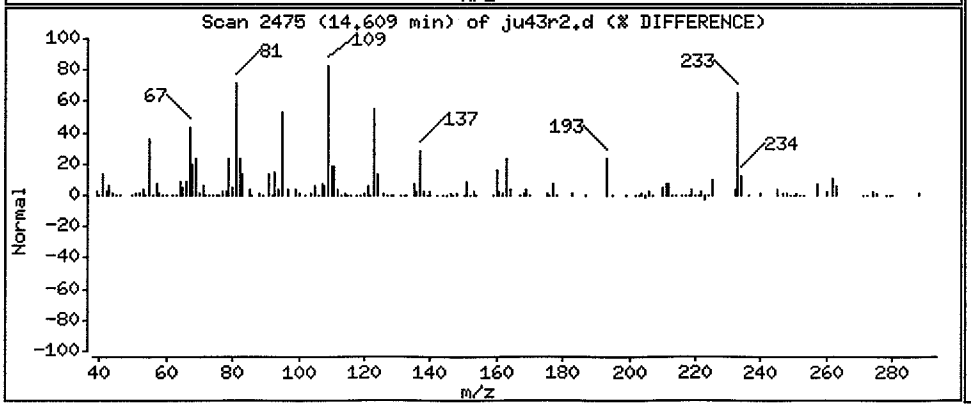
63 Di-n-butylphthalate

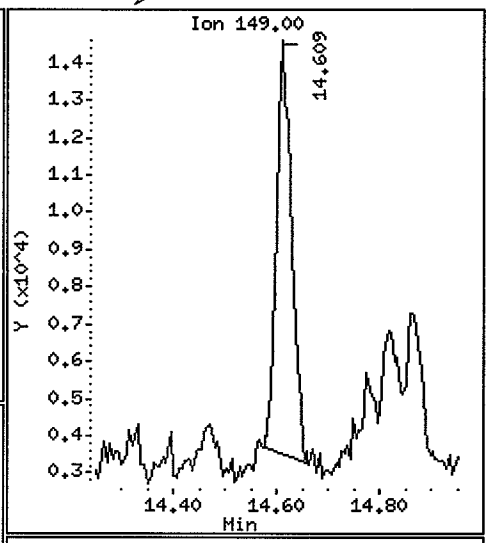
Concentration: 12.28 ug/kg

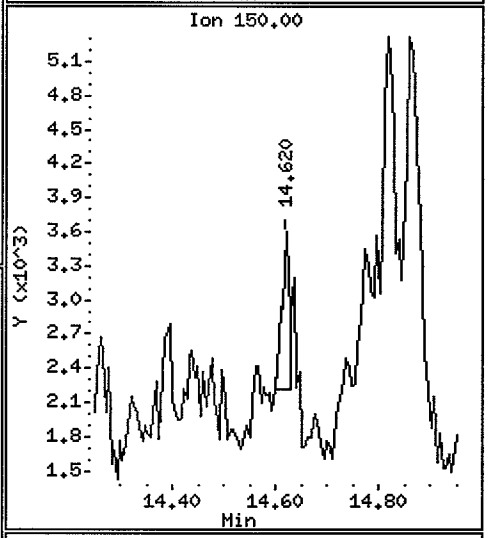


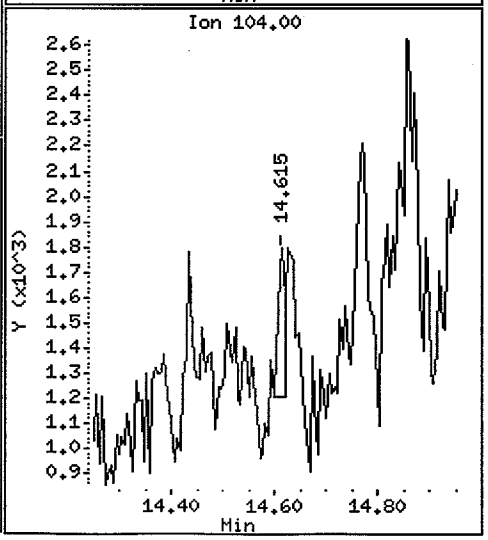












Data File: /chem1/nt6.i/20060914.b/ju43r2.d

Date : 14-SEP-2006 10:56

Client ID: T4-S3-03-G

Instrument: nt6.i

Sample Info: JU43R

Volume Injected (uL): 1.0

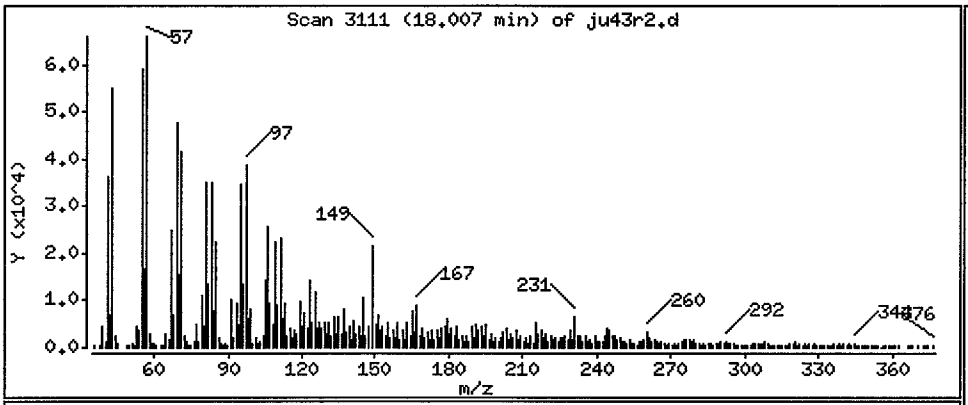
Operator: LJR/vts

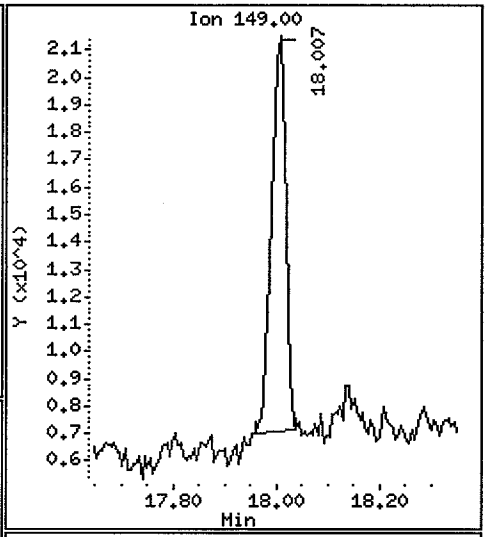
Column phase: ZB-5

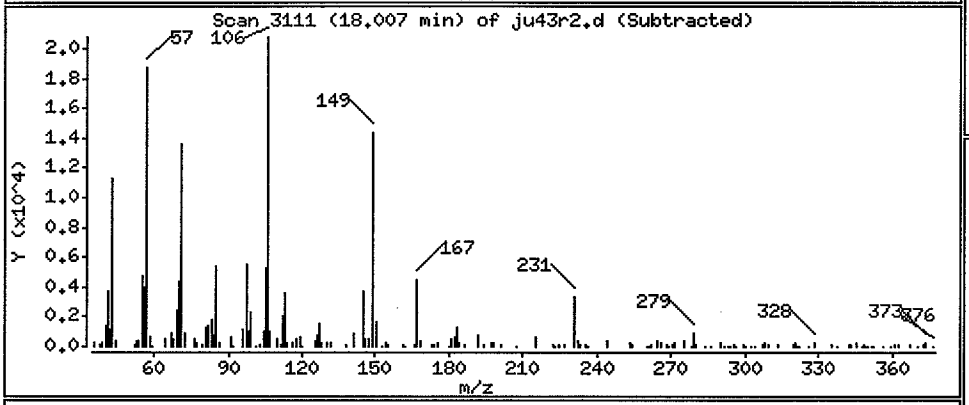
Column diameter: 0.32

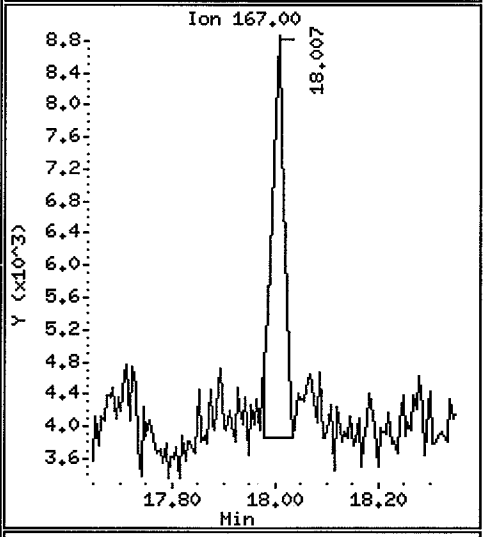
72 bis(2-Ethylhexyl)phthalate

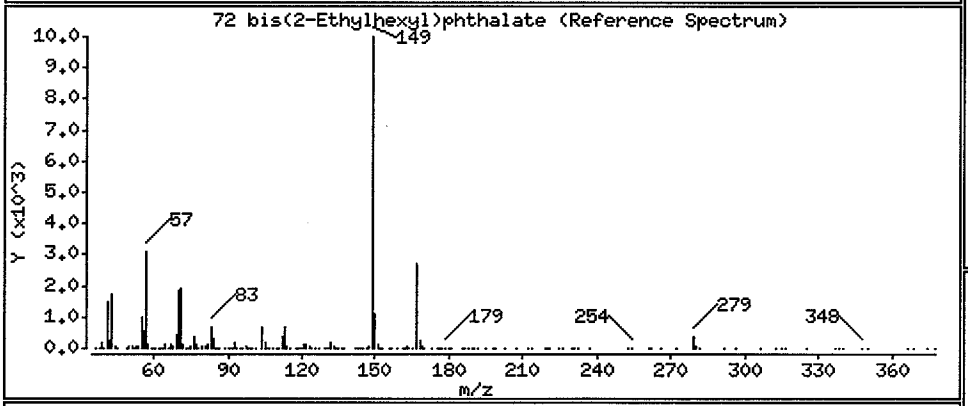
Concentration: 18.67 ug/kg

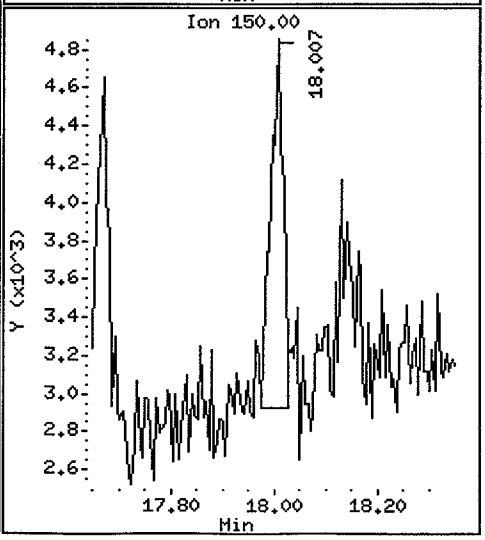


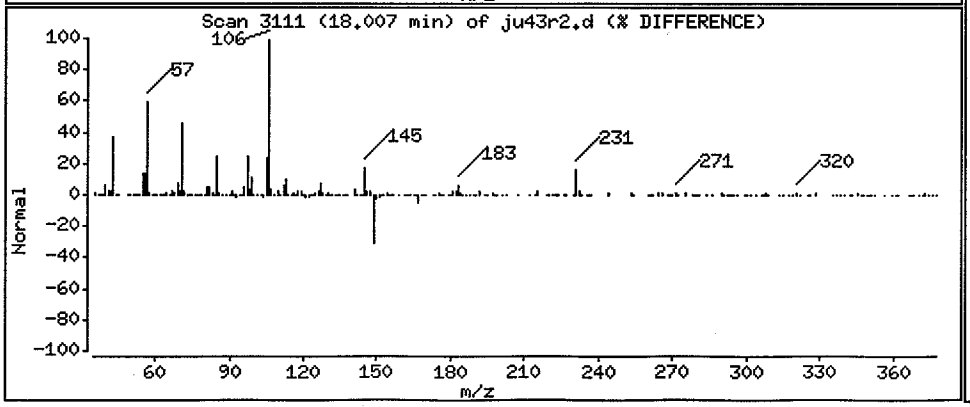












Semivolatile Organics
Standard Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JU43

prepared
by

Analytical Resources, Inc.

6B

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Instrument ID: NT6 Calibration Date: 08/10/06

LAB FILE ID: RRF1 =0010810 RRF5 =0050810 RRF10 =0100810
RRF25 =0250810 RRF40 =0400810 RRF80 =0800810

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2	
Phenol	2.299	2.377	2.193	2.101	1.895	1.781	2.108	11.0	*
Bis(2-Chloroethyl)ether	1.697	1.757	1.567	1.590	1.450	1.353	1.569	9.6	
2-Chlorophenol	1.450	1.575	1.445	1.400	1.274	1.191	1.389	9.9	
1,3-Dichlorobenzene	1.662	1.674	1.490	1.504	1.372	1.277	1.496	10.5	
1,4-Dichlorobenzene	1.646	1.689	1.514	1.529	1.374	1.273	1.504	10.5	*
1,2-Dichlorobenzene	1.591	1.591	1.423	1.407	1.262	1.143	1.403	12.7	
Benzyl alcohol	1.095	1.190	1.059	1.068	0.970	0.918	1.050	9.1	
2,2'-oxybis(1-Chloropropane)	2.541	2.587	2.287	2.387	2.172	2.058	2.339	8.9	
2-Methylphenol	1.407	1.525	1.457	1.422	1.290	1.238	1.390	7.7	
Hexachloroethane	0.616	0.669	0.612	0.633	0.584	0.548	0.610	6.8	
N-Nitroso-di-n-propylamine	1.289	1.385	1.232	1.274	1.172	1.150	1.250	6.9	~
4-Methylphenol	1.445	1.583	1.492	1.454	1.323	1.243	1.423	8.6	
Nitrobenzene	0.491	0.529	0.469	0.473	0.439	0.414	0.469	8.5	
Isophorone	0.885	0.936	0.824	0.833	0.771	0.739	0.831	8.7	
2-Nitrophenol		0.197	0.195	0.196	0.183	0.179	0.190	4.5	*
2,4-Dimethylphenol	0.411	0.447	0.421	0.403	0.368	0.349	0.400	8.9	
Bis(2-Chloroethoxy)methane	0.560	0.571	0.501	0.502	0.460	0.435	0.505	10.7	
2,4-Dichlorophenol		0.305	0.290	0.286	0.260	0.240	0.276	9.5	*
1,2,4-Trichlorobenzene	0.333	0.342	0.301	0.300	0.271	0.252	0.300	11.6	
Naphthalene	1.200	1.205	1.052	1.013	0.906	0.811	1.031	0.999	
Benzoic acid		0.263	0.266	0.292	0.278	0.301	0.280	5.9	
4-Chloroaniline		0.518	0.461	0.452	0.412	0.390	0.447	11.0	
Hexachlorobutadiene	0.159	0.166	0.146	0.144	0.130	0.120	0.144	11.9	*
4-Chloro-3-methylphenol		0.373	0.350	0.339	0.312	0.296	0.334	9.2	*
2-Methylnaphthalene	0.612	0.647	0.570	0.549	0.487	0.449	0.552	13.5	
Hexachlorocyclopentadiene		0.183	0.192	0.223	0.218	0.228	0.209	9.6	~
2,4,6-Trichlorophenol		0.340	0.343	0.341	0.315	0.315	0.331	4.4	*
2,4,5-Trichlorophenol		0.392	0.376	0.357	0.331	0.323	0.356	8.2	
2-Chloronaphthalene	1.266	1.292	1.154	1.125	1.015	0.948	1.133	11.9	
2-Nitroaniline		0.485	0.444	0.450	0.425	0.433	0.447	5.2	
Acenaphthylene	2.026	2.134	1.859	1.810	1.617	1.504	1.825	13.0	
Dimethylphthalate	1.298	1.383	1.228	1.222	1.121	1.081	1.222	9.1	
2,6-Dinitrotoluene		0.286	0.262	0.271	0.256	0.254	0.266	4.9	
Acenaphthene	1.298	1.301	1.162	1.124	1.009	0.942	1.139	12.9	*
3-Nitroaniline		0.373	0.340	0.346	0.318	0.323	0.340	6.4	
2,4-Dinitrophenol		0.017	0.032	0.054	0.070	0.089	0.052	54.3	~
Dibenzofuran	1.722	1.789	1.554	1.480	1.322	1.238	1.518	14.3	

* Compounds with maximum %RSD = 30%

~ Compounds with minimum average RRF = .05

<- Outside QC limits

FORM VI SV-1

6C

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Instrument ID: NT6 Calibration Date: 08/10/06

LAB FILE ID: RRF1 =0010810 RRF5 =0050810 RRF10 =0100810
RRF25 =0250810 RRF40 =0400810 RRF80 =0800810

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2	
4-Nitrophenol		0.170	0.172	0.177	0.169	0.174	0.172	1.8	~
2,4-Dinitrotoluene		0.353	0.338	0.355	0.344	0.344	0.347	2.0	
Fluorene	1.457	1.480	1.299	1.247	1.109	1.000	1.265	15.0	
4-Chlorophenyl-phenylether	0.652	0.660	0.564	0.548	0.491	0.454	0.562	14.8	
Diethylphthalate	1.371	1.406	1.244	1.238	1.131	1.079	1.245	10.3	
4-Nitroaniline		0.373	0.335	0.334	0.293	0.322	0.331	8.7	
4,6-Dinitro-2-methylphenol		0.048	0.065	0.086	0.093	0.103	0.079	28.2	
N-Nitrosodiphenylamine (1)	0.448	0.476	0.417	0.417	0.382	0.361	0.417	10.1	
4-Bromophenyl-phenylether	0.209	0.228	0.197	0.200	0.178	0.167	0.196	11.0	
Hexachlorobenzene	0.245	0.248	0.212	0.215	0.193	0.180	0.216	12.6	
Pentachlorophenol		0.101	0.110	0.127	0.116	0.119	0.115	8.5	*
Phenanthrene	1.394	1.397	1.204	1.164	1.033	0.934	1.188	0.999	
Anthracene	1.342	1.410	1.229	1.192	1.050	0.951	1.196	14.5	
Carbazole	1.342	1.343	1.159	1.112	0.972	0.916	1.141	0.998	
Di-n-butylphthalate	1.494	1.591	1.405	1.392	1.233	1.103	1.370	12.9	
Fluoranthene	1.328	1.387	1.196	1.190	1.036	0.944	1.180	14.3	*
Pyrene	1.897	1.917	1.730	1.678	1.554	1.437	1.702	11.1	
Butylbenzylphthalate	0.879	0.920	0.835	0.855	0.798	0.767	0.842	6.6	
Benzo(a)anthracene	1.505	1.530	1.330	1.308	1.163	1.098	1.322	13.2	
3,3'-Dichlorobenzidine		0.548	0.489	0.476	0.406	0.404	0.465	13.1	
Chrysene	1.512	1.530	1.323	1.326	1.178	1.124	1.332	12.5	
bis(2-Ethylhexyl)phthalate	0.527	0.565	0.518	0.537	0.504	0.482	0.522	5.4	
Di-n-octylphthalate	0.973	0.967	0.851	0.878	0.813	0.776	0.876	9.2	*
Benzo(b)fluoranthene	1.345	1.361	1.283	1.271	1.118	1.086	1.244	9.3	
Benzo(k)fluoranthene	1.623	1.606	1.284	1.193	1.098	0.875	1.280	0.999	
Benzo(a)pyrene	1.242	1.306	1.156	1.136	1.028	0.927	1.132	12.2	*
Indeno(1,2,3-cd)pyrene	1.578	1.629	1.420	1.402	1.279	1.204	1.419	11.6	
Dibenzo(a,h)anthracene	1.320	1.367	1.197	1.163	1.051	0.957	1.176	13.3	
Benzo(g,h,i)perylene	1.446	1.471	1.315	1.290	1.206	1.137	1.311	10.0	
N-Nitrosodimethylamine		1.160	1.051	1.092	1.039	1.023	1.073	5.1	
Aniline		2.792	2.431	2.405	2.134	2.048	2.362	12.4	
Benzidine		1.020	0.896	0.806	0.683	0.678	0.817	17.8	
Pyridine		1.943	1.757	1.844	1.738	1.831	1.823	4.5	
1-methylnaphthalene	0.623	0.656	0.574	0.561	0.505	0.455	0.562	13.2	
Azobenzene (1,2-DP-Hydrazine	1.755	1.830	1.620	1.616	1.479	1.402	1.617	10.0	
2-Fluorophenol		1.693	1.566	1.601	1.478	1.402	1.548	7.2	

(1) Cannot be seperated from Diphenylamine
* Compounds with maximum %RSD = 30%
~ Compounds with minimum average RRF = .05
<- Outside QC limits

FORM VI SV-2

6C

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Instrument ID: NT6 Calibration Date: 08/10/06

LAB FILE ID: RRF1 =0010810 RRF5 =0050810 RRF10 =0100810
RRF25 =0250810 RRF40 =0400810 RRF80 =0800810

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2
Phenol-d5		2.054	1.912	1.829	1.658	1.530	1.797	11.5
2-Chlorophenol-d4		1.650	1.528	1.500	1.366	1.247	1.458	10.7
1,2-Dichlorobenzene-d4		1.044	0.961	0.916	0.827	0.723	0.894	13.9
Nitrobenzene-d5		0.542	0.505	0.498	0.467	0.448	0.492	7.4
2-Fluorobiphenyl		1.511	1.386	1.287	1.171	1.084	1.288	13.1
2,4,6-Tribromophenol		0.142	0.142	0.145	0.139	0.136	0.141	2.3
Terphenyl-d14		1.166	1.092	1.038	0.968	0.903	1.033	9.9

* Compounds with maximum %RSD = 30%
~ Compounds with minimum average RRF = .05
<- Outside QC limits

FORM VI SV-3

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Calibration File Names:
Level 1: /chem1/nt6.i/20060810a.b/0010810.d
Level 2: /chem1/nt6.i/20060810a.b/0050810.d
Level 3: /chem1/nt6.i/20060810a.b/0100810.d
Level 4: /chem1/nt6.i/20060810a.b/0250810.d
Level 5: /chem1/nt6.i/20060810a.b/0400810.d
Level 6: /chem1/nt6.i/20060810a.b/0800810.d

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
142 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
135 2,3,5,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
136 2,3,4,5-tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
133 Butylatedhydroxytoluene	1.00945	1.04708	0.93927	0.89368	0.79559	0.72510	AVRG		0.90169		13.73276	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
132 3,6-Dimethylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
144 alpha-Terpineol	0.31729	0.34396	0.32206	0.30484	0.27772	0.26144	AVRG		0.30455		9.95942	
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
123 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
143 1,4-Dioxane	0.74188	0.77110	0.69383	0.72135	0.70089	0.67885	AVRG		0.71798		4.74791	
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
120 2,3,4,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
119 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
118 Triphenyl Phosphate	0.24571	0.25355	0.23590	0.24097	0.22118	0.21665	AVRG		0.23566		6.06217	
117 Butyl Diphenyl Phosphate	0.39317	0.42459	0.39999	0.39154	0.36706	0.33783	AVRG		0.38569		7.73132	
116 Dibutyl Phenyl Phosphate	0.84548	0.92405	0.83888	0.82158	0.72646	0.64871	AVRG		0.80086		12.19927	
115 Tributyl Phosphate	1.19922	1.31326	1.21179	1.19038	1.07669	0.98095	AVRG		1.16205		10.00646	
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
111 Azobenzene (1,2-DP-Hydrazine)	1.75534	1.83018	1.61959	1.61582	1.47920	1.40155	AVRG		1.61695		9.97204	
110 Tetrachloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
109 3,4,5-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
108 4,5,6-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
107 4,5-Dichloro-2-Methoxyphenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
106 Guaiacol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
105 1-methylnaphthalene	0.62329	0.65591	0.57429	0.56086	0.50512	0.45504	AVRG		0.56242		13.16353	
151 1,2,4,5-Tetrachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
158 Ethion	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
159 4-Nonylphenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
160 Tetraethyl Tin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
161 1,2,3-Trichloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
162 1,2,3,4-Tetrachloronapthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
163 1,2,3,5,8-Pentachloronaphthal	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
164 1,2,3,4,6,7-Hexachloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-

0291

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

	Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
165	1,2,3,4,5,6,7-Heptachloronaph	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
166	Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
167	2,2',4,4',5-Pentabromobipheny	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
3	Phenol	2.29886	2.37742	2.19283	2.10081	1.89467	1.78098	AVRG		2.10759		10.99939	
4	Bis(2-Chloroethyl)ether	1.69726	1.75729	1.56700	1.59016	1.45005	1.35301	AVRG		1.56913		9.58740	
6	2-Chlorophenol	1.45040	1.57482	1.44490	1.40015	1.27358	1.19066	AVRG		1.38909		9.88175	
7	1,3-Dichlorobenzene	1.66154	1.67411	1.49042	1.50358	1.37158	1.27718	AVRG		1.49640		10.46336	
9	1,4-Dichlorobenzene	1.64628	1.68925	1.51386	1.52914	1.37421	1.27260	AVRG		1.50423		10.53980	
11	Benzyl alcohol	1.09543	1.19013	1.05929	1.06762	0.96963	0.91839	AVRG		1.05008		9.12211	
12	1,2-Dichlorobenzene	1.59069	1.59103	1.42272	1.40696	1.26226	1.14336	AVRG		1.40284		12.67999	
13	2-Methylphenol	1.40699	1.52491	1.45695	1.42223	1.28952	1.23753	AVRG		1.38969		7.70681	
14	2,2'-oxybis(1-Chloropropane)	2.54134	2.58747	2.28716	2.38708	2.17242	2.05805	AVRG		2.33892		8.85269	
15	4-Methylphenol	1.44496	1.58342	1.49152	1.45365	1.32277	1.24329	AVRG		1.42327		8.55876	
16	N-Nitroso-di-n-propylamine	1.28930	1.38532	1.23161	1.27450	1.17229	1.14973	AVRG		1.25046		6.86873	
17	Hexachloroethane	0.61638	0.66924	0.61161	0.63279	0.58397	0.54840	AVRG		0.61040		6.77181	
19	Nitrobenzene	0.49139	0.52870	0.46896	0.47343	0.43900	0.41416	AVRG		0.46927		8.51941	
20	Isophorone	0.88485	0.93560	0.82432	0.83301	0.77110	0.73889	AVRG		0.83129		8.66811	
21	2-Nitrophenol	+++++	0.19744	0.19465	0.19560	0.18288	0.17866	AVRG		0.18984		4.46664	
22	2,4-Dimethylphenol	0.41137	0.44706	0.42115	0.40275	0.36805	0.34933	AVRG		0.39995		8.93653	
23	Bis(2-Chloroethoxy)methane	0.56054	0.57130	0.50119	0.50206	0.45979	0.43488	AVRG		0.50496		10.65148	
24	Benzoic acid	+++++	0.26269	0.26564	0.29245	0.27811	0.30106	AVRG		0.27999		5.94370	
25	2,4-Dichlorophenol	+++++	0.30539	0.29031	0.28615	0.25971	0.23993	AVRG		0.27630		9.46875	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
26 1,2,4-Trichlorobenzene	0.33323	0.34214	0.30130	0.29975	0.27122	0.25159	AVRG		0.29987		11.60254	
28 Naphthalene	36595	175568	324701	717423	1117933	1851701	QUAD	0.000e+00	0.88048	0.10956	0.99963	
29 4-Chloroaniline	+++++	0.51786	0.46082	0.45241	0.41250	0.39025	AVRG		0.44677		10.99511	
30 Hexachlorobutadiene	0.15871	0.16593	0.14595	0.14452	0.12998	0.12017	AVRG		0.14421		11.87113	
31 4-Chloro-3-methylphenol	+++++	0.37286	0.34955	0.33882	0.31180	0.29559	AVRG		0.33372		9.16526	
32 2-Methylnaphthalene	0.61185	0.64707	0.56973	0.54909	0.48683	0.44945	AVRG		0.55233		13.47736	
33 Hexachlorocyclopentadiene	+++++	0.18275	0.19221	0.22337	0.21842	0.22785	AVRG		0.20892		9.63574	
34 2,4,6-Trichlorophenol	+++++	0.33963	0.34310	0.34136	0.31548	0.31476	AVRG		0.33087		4.36034	
35 2,4,5-Trichlorophenol	+++++	0.39211	0.37606	0.35678	0.33096	0.32310	AVRG		0.35580		8.21371	
37 2-Chloronaphthalene	1.26602	1.29187	1.15446	1.12491	1.01529	0.94859	AVRG		1.13352		11.92256	
38 2-Nitroaniline	+++++	0.48515	0.44460	0.44995	0.42504	0.43306	AVRG		0.44756		5.17423	
39 Dimethylphthalate	1.29834	1.38303	1.22791	1.22202	1.12081	1.08082	AVRG		1.22216		9.10886	
40 Acenaphthylene	2.02618	2.13403	1.85936	1.81042	1.61747	1.50413	AVRG		1.82526		13.04318	
41 2,6-Dinitrotoluene	+++++	0.28636	0.26206	0.27134	0.25613	0.25428	AVRG		0.26604		4.94921	
43 3-Nitroaniline	+++++	0.37295	0.34029	0.34566	0.31840	0.32265	AVRG		0.33999		6.38579	
44 Acenaphthene	1.29852	1.30137	1.16156	1.12366	1.00936	0.94234	AVRG		1.13947		12.90019	
45 2,4-Dinitrophenol	+++++	0.01748	0.03258	0.05450	0.07002	0.08924	AVRG		0.05277		54.30417	<-
46 Dibenzofuran	1.72259	1.78909	1.55372	1.48013	1.32229	1.23823	AVRG		1.51768		14.27355	
47 4-Nitrophenol	+++++	0.17033	0.17202	0.17673	0.16905	0.17427	AVRG		0.17248		1.78337	
48 2,4-Dinitrotoluene	+++++	0.35286	0.33819	0.35509	0.34394	0.34403	AVRG		0.34682		2.01600	
49 Fluorene	1.45669	1.48009	1.29942	1.24665	1.10905	0.99979	AVRG		1.26528		14.96186	
50 Diethylphthalate	1.37111	1.40655	1.24459	1.23847	1.13091	1.07943	AVRG		1.24518		10.31421	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

	Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
51	4-Chlorophenyl-phenylether	0.65158	0.66033	0.56355	0.54780	0.49093	0.45382	AVRG		0.56133		14.82982
52	4-Nitroaniline	+++++	0.37277	0.33492	0.33398	0.29261	0.32234	AVRG		0.33133		8.69183
53	4,6-Dinitro-2-methylphenol	+++++	0.04785	0.06524	0.08621	0.09281	0.10319	AVRG		0.07906		28.19446
54	N-Nitrosodiphenylamine	0.44754	0.47597	0.41711	0.41729	0.38155	0.36120	AVRG		0.41678		10.05496
56	4-Bromophenyl-phenylether	0.20922	0.22806	0.19742	0.20020	0.17828	0.16722	AVRG		0.19673		11.04481
57	Hexachlorobenzene	0.24487	0.24764	0.21189	0.21542	0.19262	0.18033	AVRG		0.21546		12.57276
58	Pentachlorophenol	+++++	0.10124	0.11017	0.12731	0.11568	0.11950	AVRG		0.11478		8.54390
60	Phenanthrene	33404	161140	288444	651621	1008718	1719689	QUAD	0.000e+00	0.77626	0.07959	0.99945
61	Anthracene	1.34203	1.40980	1.22943	1.19154	1.05039	0.95068	AVRG		1.19564		14.46499
62	Carbazole	32144	154878	277617	622007	948877	1687597	QUAD	0.000e+00	0.85696	0.06502	0.99879
63	Di-n-butylphthalate	1.49398	1.59093	1.40536	1.39171	1.23289	1.10305	AVRG		1.36965		12.89490
64	Fluoranthene	1.32821	1.38681	1.19606	1.19049	1.03601	0.94374	AVRG		1.18022		14.26172
65	Pyrene	1.89682	1.91689	1.72955	1.67837	1.55388	1.43688	AVRG		1.70207		11.07526
67	Butylbenzylphthalate	0.87925	0.92055	0.83548	0.85522	0.79844	0.76723	AVRG		0.84270		6.55556
68	Benzo(a)anthracene	1.50522	1.53039	1.32980	1.30781	1.16305	1.09801	AVRG		1.32238		13.21528
70	3,3'-Dichlorobenzidine	+++++	0.54845	0.48871	0.47573	0.40630	0.40395	AVRG		0.46463		13.09756
71	Chrysene	1.51201	1.52992	1.32316	1.32568	1.17840	1.12398	AVRG		1.33219		12.49587
72	bis(2-Ethylhexyl)phthalate	0.52744	0.56471	0.51758	0.53709	0.50407	0.48172	AVRG		0.52210		5.44756
73	Di-n-octylphthalate	0.97317	0.96743	0.85116	0.87783	0.81312	0.77647	AVRG		0.87653		9.16668
74	Benzo(b)fluoranthene	1.34482	1.36074	1.28284	1.27110	1.11794	1.08638	AVRG		1.24397		9.28960
75	Benzo(k)fluoranthene	32653	162281	259191	602328	879378	1449810	QUAD	0.000e+00	0.59072	0.15663	0.99941
76	Benzo(a)pyrene	1.24246	1.30560	1.15623	1.13601	1.02826	0.92684	AVRG		1.13257		12.22121

0300

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

	Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
78	Indeno(1,2,3-cd)pyrene	1.57841	1.62948	1.42012	1.40254	1.27926	1.20413	AVRG		1.41899		11.60903	
79	Dibenzo(a,h)anthracene	1.32026	1.36740	1.19723	1.16285	1.05140	0.95660	AVRG		1.17596		13.26839	
80	Benzo(g,h,i)perylene	1.44608	1.47122	1.31466	1.29024	1.20586	1.13741	AVRG		1.31091		9.97808	
90	N-Nitrosodimethylamine	+++++	1.16005	1.05118	1.09170	1.03905	1.02274	AVRG		1.07294		5.12232	
91	Aniline	+++++	2.79226	2.43096	2.40504	2.13374	2.04812	AVRG		2.36202		12.38577	
92	1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
93	Benzidine	+++++	1.01983	0.89655	0.80653	0.68270	0.67849	AVRG		0.81682		17.82549	
96	p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
97	Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
98	Retene	0.71169	0.76290	0.70414	0.68030	0.62636	0.59199	AVRG		0.67956		9.09097	
99	Perylene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
100	3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
101	Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
102	beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
103	Pyridine	+++++	1.94270	1.75716	1.84442	1.73814	1.83101	AVRG		1.82269		4.45601	
1	2-Fluorophenol	+++++	1.69319	1.56618	1.60090	1.47834	1.40239	AVRG		1.54820		7.24044	
$137	d8-1,4-Dioxane	+++++	0.72606	0.66113	0.68443	0.64805	0.63123	AVRG		0.67018		5.48939	
$ 2	Phenol-d5	+++++	2.05411	1.91181	1.82908	1.65841	1.53041	AVRG		1.79676		11.49373	
$ 5	2-Chlorophenol-d4	+++++	1.65037	1.52834	1.50043	1.36629	1.24712	AVRG		1.45851		10.65674	
$ 10	1,2-Dichlorobenzene-d4	+++++	1.04445	0.96101	0.91577	0.82665	0.72287	AVRG		0.89415		13.85838	
$ 18	Nitrobenzene-d5	+++++	0.54252	0.50477	0.49840	0.46707	0.44830	AVRG		0.49221		7.38700	

Analytical Resources, Inc.

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Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
$ 36 2-Fluorobiphenyl	+++++	1.51089	1.38652	1.28728	1.17093	1.08423	AVRG		1.28797		13.14258	
$ 55 2,4,6-Tribromophenol	+++++	0.14170	0.14259	0.14521	0.13931	0.13651	AVRG		0.14106		2.34332	
$ 66 Terphenyl-d14	+++++	1.16610	1.09171	1.03788	0.96792	0.90337	AVRG		1.03340		9.94233	
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
$ 88 Dibenz(a,h)anthracene-d14	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
$ 95 D10-1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-

Analytical Resources, Inc.

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Cal Date : 11-Aug-2006 12:21 jeff

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Analytical Resources, Inc.

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Method file : /chem1/nt6.i/20060810.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff
Curve Type : Average

Calibration File Names:
Level 1: /chem1/nt6.i/20060810a.b/0010810.d
Level 2: /chem1/nt6.i/20060810a.b/0050810.d
Level 3: /chem1/nt6.i/20060810a.b/0100810.d
Level 4: /chem1/nt6.i/20060810a.b/0250810.d
Level 5: /chem1/nt6.i/20060810a.b/0400810.d
Level 6: /chem1/nt6.i/20060810a.b/0800810.d

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	___ RRF	% RSD	
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
142 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 2,3,5,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
136 2,3,4,5-tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
133 Butylatedhydroxytoluene	1.00945	1.04708	0.93927	0.89368	0.79559	0.72510	0.90169	13.733	
132 3,6-Dimethylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

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Method file : /chem1/nt6.i/20060810.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	RRF	% RSD	
144 alpha-Terpineol	0.31729	0.34396	0.32206	0.30484	0.27772	0.26144	0.30455	9.959	
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
123 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
143 1,4-Dioxane	0.74188	0.77110	0.69383	0.72135	0.70089	0.67885	0.71798	4.748	
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
120 2,3,4,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
119 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
118 Triphenyl Phosphate	0.24571	0.25355	0.23590	0.24097	0.22118	0.21665	0.23566	6.062	
117 Butyl Diphenyl Phosphate	0.39317	0.42459	0.39999	0.39154	0.36706	0.33783	0.38569	7.731	
116 Dibutyl Phenyl Phosphate	0.84548	0.92405	0.83888	0.82158	0.72646	0.64871	0.80086	12.199	
115 Tributyl Phosphate	1.19922	1.31326	1.21179	1.19038	1.07669	0.98095	1.16205	10.006	
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
111 Azobenzene (1,2-DP-Hydrazine)	1.75534	1.83018	1.61959	1.61582	1.47920	1.40155	1.61695	9.972	
110 Tetrachloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
109 3,4,5-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
108 4,5,6-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
107 4,5-Dichloro-2-Methoxyphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
106 Guaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 1-methylnaphthalene	0.62329	0.65591	0.57429	0.56086	0.50512	0.45504	0.56242	13.164	
151 1,2,4,5-Tetrachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

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Method file : /chem1/nt6.i/20060810.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	RRF	% RSD	
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
158 Ethion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
159 4-Nonylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
160 Tetraethyl Tin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
161 1,2,3-Trichloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
162 1,2,3,4-Tetrachloronapthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
163 1,2,3,5,8-Pentachloronaphthal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
164 1,2,3,4,6,7-Hexachloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
165 1,2,3,4,5,6,7-Heptachloronaph	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
166 Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
167 2,2',4,4',5-Pentabromobipheny	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
3 Phenol	2.29886	2.37742	2.19283	2.10081	1.89467	1.78098	2.10759	10.999	
4 Bis(2-Chloroethyl)ether	1.69726	1.75729	1.56700	1.59016	1.45005	1.35301	1.56913	9.587	
6 2-Chlorophenol	1.45040	1.57482	1.44490	1.40015	1.27358	1.19066	1.38909	9.882	
7 1,3-Dichlorobenzene	1.66154	1.67411	1.49042	1.50358	1.37158	1.27718	1.49640	10.463	
9 1,4-Dichlorobenzene	1.64628	1.68925	1.51386	1.52914	1.37421	1.27260	1.50423	10.540	
11 Benzyl alcohol	1.09543	1.19013	1.05929	1.06762	0.96963	0.91839	1.05008	9.122	
12 1,2-Dichlorobenzene	1.59069	1.59103	1.42272	1.40696	1.26226	1.14336	1.40284	12.680	
13 2-Methylphenol	1.40699	1.52491	1.45695	1.42223	1.28952	1.23753	1.38969	7.707	
14 2,2'-oxybis(1-Chloropropane)	2.54134	2.58747	2.28716	2.38708	2.17242	2.05805	2.33892	8.853	
15 4-Methylphenol	1.44496	1.58342	1.49152	1.45365	1.32277	1.24329	1.42327	8.559	
16 N-Nitroso-di-n-propylamine	1.28930	1.38532	1.23161	1.27450	1.17229	1.14973	1.25046	6.869	
17 Hexachloroethane	0.61638	0.66924	0.61161	0.63279	0.58397	0.54840	0.61040	6.772	
19 Nitrobenzene	0.49139	0.52870	0.46896	0.47343	0.43900	0.41416	0.46927	8.519	
20 Isophorone	0.88485	0.93560	0.82432	0.83301	0.77110	0.73889	0.83129	8.668	
21 2-Nitrophenol	+++++	0.19744	0.19465	0.19560	0.18288	0.17866	0.18984	4.467	
22 2,4-Dimethylphenol	0.41137	0.44706	0.42115	0.40275	0.36805	0.34933	0.39995	8.937	
23 Bis(2-Chloroethoxy)methane	0.56054	0.57130	0.50119	0.50206	0.45979	0.43488	0.50496	10.651	
24 Benzoic acid	+++++	0.26269	0.26564	0.29245	0.27811	0.30106	0.27999	5.944	

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Cal Date : 11-Aug-2006 12:21 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	RRF	% RSD	
25 2,4-Dichlorophenol	+++++	0.30539	0.29031	0.28615	0.25971	0.23993	0.27630	9.469	
26 1,2,4-Trichlorobenzene	0.33323	0.34214	0.30130	0.29975	0.27122	0.25159	0.29987	11.603	
28 Naphthalene	1.20050	1.20469	1.05241	1.01268	0.90633	0.81075	1.03123	15.255	
29 4-Chloroaniline	+++++	0.51786	0.46082	0.45241	0.41250	0.39025	0.44677	10.995	
30 Hexachlorobutadiene	0.15871	0.16593	0.14595	0.14452	0.12998	0.12017	0.14421	11.871	
31 4-Chloro-3-methylphenol	+++++	0.37286	0.34955	0.33882	0.31180	0.29559	0.33372	9.165	
32 2-Methylnaphthalene	0.61185	0.64707	0.56973	0.54909	0.48683	0.44945	0.55233	13.477	
33 Hexachlorocyclopentadiene	+++++	0.18275	0.19221	0.22337	0.21842	0.22785	0.20892	9.636	
34 2,4,6-Trichlorophenol	+++++	0.33963	0.34310	0.34136	0.31548	0.31476	0.33087	4.360	
35 2,4,5-Trichlorophenol	+++++	0.39211	0.37606	0.35678	0.33096	0.32310	0.35580	8.214	
37 2-Chloronaphthalene	1.26602	1.29187	1.15446	1.12491	1.01529	0.94859	1.13352	11.923	
38 2-Nitroaniline	+++++	0.48515	0.44460	0.44995	0.42504	0.43306	0.44756	5.174	
39 Dimethylphthalate	1.29834	1.38303	1.22791	1.22202	1.12081	1.08082	1.22216	9.109	
40 Acenaphthylene	2.02618	2.13403	1.85936	1.81042	1.61747	1.50413	1.82526	13.043	
41 2,6-Dinitrotoluene	+++++	0.28636	0.26206	0.27134	0.25613	0.25428	0.26604	4.949	
43 3-Nitroaniline	+++++	0.37295	0.34029	0.34566	0.31840	0.32265	0.33999	6.386	
44 Acenaphthene	1.29852	1.30137	1.16156	1.12366	1.00936	0.94234	1.13947	12.900	
45 2,4-Dinitrophenol	+++++	0.01748	0.03258	0.05450	0.07002	0.08924	0.05277	54.304	<-
46 Dibenzofuran	1.72259	1.78909	1.55372	1.48013	1.32229	1.23823	1.51768	14.274	
47 4-Nitrophenol	+++++	0.17033	0.17202	0.17673	0.16905	0.17427	0.17248	1.783	
48 2,4-Dinitrotoluene	+++++	0.35286	0.33819	0.35509	0.34394	0.34403	0.34682	2.016	
49 Fluorene	1.45669	1.48009	1.29942	1.24665	1.10905	0.99979	1.26528	14.962	
50 Diethylphthalate	1.37111	1.40655	1.24459	1.23847	1.13091	1.07943	1.24518	10.314	
51 4-Chlorophenyl-phenylether	0.65158	0.66033	0.56355	0.54780	0.49093	0.45382	0.56133	14.830	
52 4-Nitroaniline	+++++	0.37277	0.33492	0.33398	0.29261	0.32234	0.33133	8.692	
53 4,6-Dinitro-2-methylphenol	+++++	0.04785	0.06524	0.08621	0.09281	0.10319	0.07906	28.194	
54 N-Nitrosodiphenylamine	0.44754	0.47597	0.41711	0.41729	0.38155	0.36120	0.41678	10.055	
56 4-Bromophenyl-phenylether	0.20922	0.22806	0.19742	0.20020	0.17828	0.16722	0.19673	11.045	
57 Hexachlorobenzene	0.24487	0.24764	0.21189	0.21542	0.19262	0.18033	0.21546	12.573	

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Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	___ RRF	% RSD	
58 Pentachlorophenol	+++++	0.10124	0.11017	0.12731	0.11568	0.11950	0.11478	8.544	
60 Phenanthrene	1.39442	1.39697	1.20448	1.16443	1.03343	0.93372	1.18791	15.778	
61 Anthracene	1.34203	1.40980	1.22943	1.19154	1.05039	0.95068	1.19564	14.465	
62 Carbazole	1.34182	1.34269	1.15927	1.11151	0.97212	0.91630	1.14062	15.743	
63 Di-n-butylphthalate	1.49398	1.59093	1.40536	1.39171	1.23289	1.10305	1.36965	12.895	
64 Fluoranthene	1.32821	1.38681	1.19606	1.19049	1.03601	0.94374	1.18022	14.262	
65 Pyrene	1.89682	1.91689	1.72955	1.67837	1.55388	1.43688	1.70207	11.075	
67 Butylbenzylphthalate	0.87925	0.92055	0.83548	0.85522	0.79844	0.76723	0.84270	6.556	
68 Benzo(a)anthracene	1.50522	1.53039	1.32980	1.30781	1.16305	1.09801	1.32238	13.215	
70 3,3'-Dichlorobenzidine	+++++	0.54845	0.48871	0.47573	0.40630	0.40395	0.46463	13.098	
71 Chrysene	1.51201	1.52992	1.32316	1.32568	1.17840	1.12398	1.33219	12.496	
72 bis(2-Ethylhexyl)phthalate	0.52744	0.56471	0.51758	0.53709	0.50407	0.48172	0.52210	5.448	
73 Di-n-octylphthalate	0.97317	0.96743	0.85116	0.87783	0.81312	0.77647	0.87653	9.167	
74 Benzo(b)fluoranthene	1.34482	1.36074	1.28284	1.27110	1.11794	1.08638	1.24397	9.290	
75 Benzo(k)fluoranthene	1.62319	1.60659	1.28382	1.19279	1.09808	0.87479	1.27988	22.896	
76 Benzo(a)pyrene	1.24246	1.30560	1.15623	1.13601	1.02826	0.92684	1.13257	12.221	
78 Indeno(1,2,3-cd)pyrene	1.57841	1.62948	1.42012	1.40254	1.27926	1.20413	1.41899	11.609	
79 Dibenzo(a,h)anthracene	1.32026	1.36740	1.19723	1.16285	1.05140	0.95660	1.17596	13.268	
80 Benzo(g,h,i)perylene	1.44608	1.47122	1.31466	1.29024	1.20586	1.13741	1.31091	9.978	
90 N-Nitrosodimethylamine	+++++	1.16005	1.05118	1.09170	1.03905	1.02274	1.07294	5.122	
91 Aniline	+++++	2.79226	2.43096	2.40504	2.13374	2.04812	2.36202	12.386	
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
93 Benzidine	+++++	1.01983	0.89655	0.80653	0.68270	0.67849	0.81682	17.825	
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
98 Retene	0.71169	0.76290	0.70414	0.68030	0.62636	0.59199	0.67956	9.091	
99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	___ RRF	% RSD	
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Pyridine	+++++	1.94270	1.75716	1.84442	1.73814	1.83101	1.82269	4.456	
$ 1 2-Fluorophenol	+++++	1.69319	1.56618	1.60090	1.47834	1.40239	1.54820	7.240	
$ 137 d8-1,4-Dioxane	+++++	0.72606	0.66113	0.68443	0.64805	0.63123	0.67018	5.489	
$ 2 Phenol-d5	+++++	2.05411	1.91181	1.82908	1.65841	1.53041	1.79676	11.494	
$ 5 2-Chlorophenol-d4	+++++	1.65037	1.52834	1.50043	1.36629	1.24712	1.45851	10.657	
$ 10 1,2-Dichlorobenzene-d4	+++++	1.04445	0.96101	0.91577	0.82665	0.72287	0.89415	13.858	
$ 18 Nitrobenzene-d5	+++++	0.54252	0.50477	0.49840	0.46707	0.44830	0.49221	7.387	
$ 36 2-Fluorobiphenyl	+++++	1.51089	1.38652	1.28728	1.17093	1.08423	1.28797	13.143	
$ 55 2,4,6-Tribromophenol	+++++	0.14170	0.14259	0.14521	0.13931	0.13651	0.14106	2.343	
$ 66 Terphenyl-d14	+++++	1.16610	1.09171	1.03788	0.96792	0.90337	1.03340	9.942	
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 88 Dibenz(a,h)anthracene-d14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 95 D10-1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0010810.d
Lab Smp Id: ABN 1
Inj Date : 10-AUG-2006 16:48
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 1
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 08:08 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 16:48 Cal File: 0010810.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 8/11/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.739	5.749	(0.750)	13091	1.00000	1.000
$	2 Phenol-d5	99	7.197	7.223	(0.941)	15824	1.00000	1.042
	3 Phenol	94	7.213	7.245	(0.943)	19435	1.00000	1.091
$	5 2-Chlorophenol-d4	132	7.346	7.357	(0.960)	12790	1.00000	1.037
	4 Bis(2-Chloroethyl)ether	93	7.320	7.335	(0.957)	14349	1.00000	1.082
	6 2-Chlorophenol	128	7.368	7.384	(0.963)	12262	1.00000	1.044
	7 1,3-Dichlorobenzene	146	7.587	7.597	(0.992)	14047	1.00000	1.110
*	8 1,4-Dichlorobenzene-d4	152	7.651	7.656	(1.000)	169084	20.0000	
	9 1,4-Dichlorobenzene	146	7.672	7.683	(1.003)	13918	1.00000	1.094
$	10 1,2-Dichlorobenzene-d4	152	7.945	7.950	(1.038)	8462	1.00000	1.119
	12 1,2-Dichlorobenzene	146	7.961	7.971	(1.040)	13448	1.00000	1.134
	11 Benzyl alcohol	108	7.913	7.934	(1.034)	9261	1.00000	1.043
	14 2,2'-oxybis(1-Chloropropane)	45	8.180	8.190	(1.069)	21485	1.00000	1.087
	13 2-Methylphenol	108	8.137	8.153	(1.064)	11895	1.00000	1.012
	17 Hexachloroethane	117	8.447	8.452	(1.104)	5211	1.00000	1.010
	16 N-Nitroso-di-n-propylamine	70	8.383	8.415	(1.096)	10900	1.00000	1.031
	15 4-Methylphenol	108	8.361	8.388	(1.093)	12216	1.00000	1.015
$	18 Nitrobenzene-d5	82	8.559	8.580	(0.885)	15901	1.00000	1.060
	19 Nitrobenzene	77	8.586	8.607	(0.888)	14979	1.00000	1.047
	20 Isophorone	82	8.965	8.992	(0.927)	26973	1.00000	1.064
	21 2-Nitrophenol	139	9.104	9.114	(0.941)	4840	1.00000	0.8364
	22 2,4-Dimethylphenol	107	9.200	9.221	(0.951)	12540	1.00000	1.029
	23 Bis(2-Chloroethoxy)methane	93	9.355	9.376	(0.967)	17087	1.00000	1.110
	24 Benzoic acid	105	9.291	9.547	(0.961)	10089	5.00000	1.495(M)
	25 2,4-Dichlorophenol	162	9.478	9.494	(0.980)	7753	1.00000	0.9205
	26 1,2,4-Trichlorobenzene	180	9.617	9.627	(0.994)	10158	1.00000	1.111
*	27 Naphthalene-d8	136	9.670	9.681	(1.000)	609664	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	28 Naphthalene	128	9.702	9.718	(1.003)	36595	1.00000	1.164
	29 4-Chloroaniline	127	9.841	9.857	(1.018)	14514	1.00000	1.066
	30 Hexachlorobutadiene	225	10.023	10.028	(1.036)	4838	1.00000	1.101
	31 4-Chloro-3-methylphenol	107	10.643	10.658	(1.101)	9644	1.00000	0.9480
	32 2-Methylnaphthalene	141	10.824	10.835	(1.119)	18651	1.00000	1.108
	33 Hexachlorocyclopentadiene	237	11.209	11.214	(0.894)	2326	1.00000	0.6701
	34 2,4,6-Trichlorophenol	196	11.337	11.347	(0.904)	4206	1.00000	0.7651
	35 2,4,5-Trichlorophenol	196	11.396	11.401	(0.908)	6357	1.00000	1.075 (M)
$	36 2-Fluorobiphenyl	172	11.471	11.481	(0.914)	24185	1.00000	1.130
	37 2-Chloronaphthalene	162	11.604	11.620	(0.925)	21035	1.00000	1.117
	38 2-Nitroaniline	65	11.834	11.850	(0.943)	6809	1.00000	0.9157
	39 Dimethylphthalate	163	12.213	12.234	(0.974)	21572	1.00000	1.062
	40 Acenaphthylene	152	12.288	12.298	(0.980)	33665	1.00000	1.110
	41 2,6-Dinitrotoluene	165	12.304	12.325	(0.981)	3794	1.00000	0.8583
*	42 Acenaphthene-d10	164	12.544	12.549	(1.000)	332301	20.0000	
	43 3-Nitroaniline	138	12.507	12.533	(0.997)	5242	1.00000	0.9281 (M)
	44 Acenaphthene	153	12.592	12.608	(1.004)	21575	1.00000	1.140
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	12.849	12.870	(1.024)	28621	1.00000	1.135
	47 4-Nitrophenol	109	12.822	12.833	(1.022)	2058	1.00000	0.7203 (M)
	48 2,4-Dinitrotoluene	165	12.934	12.950	(1.031)	4007	1.00000	0.6954
	50 Diethylphthalate	149	13.367	13.393	(1.066)	22781	1.00000	1.101
	49 Fluorene	166	13.410	13.426	(1.069)	24203	1.00000	1.151
	51 4-Chlorophenyl-phenylether	204	13.442	13.447	(1.072)	10826	1.00000	1.161
	52 4-Nitroaniline	138	13.506	13.543	(1.077)	5256	1.00000	0.9810
	53 4,6-Dinitro-2-methylphenol	198	13.581	13.618	(0.910)	372	5.00000	0.1964
	54 N-Nitrosodiphenylamine	169	13.640	13.661	(0.914)	10721	1.00000	1.074
$	55 2,4,6-Tribromophenol	330	13.837	13.853	(1.103)	1668	1.00000	0.7117
	56 4-Bromophenyl-phenylether	248	14.227	14.238	(0.953)	5012	1.00000	1.063
	57 Hexachlorobenzene	284	14.446	14.457	(0.968)	5866	1.00000	1.136
	58 Pentachlorophenol	266	14.740	14.756	(0.987)	831	1.00000	0.3051
*	59 Phenanthrene-d10	188	14.927	14.937	(1.000)	479110	20.0000	
	60 Phenanthrene	178	14.964	14.980	(1.002)	33404	1.00000	1.174
	61 Anthracene	178	15.034	15.050	(1.007)	32149	1.00000	1.122
	62 Carbazole	167	15.317	15.333	(1.026)	32144	1.00000	1.176
	63 Di-n-butylphthalate	149	16.038	16.049	(1.074)	35789	1.00000	1.091
	64 Fluoranthene	202	16.909	16.925	(1.133)	31818	1.00000	1.125
	65 Pyrene	202	17.267	17.283	(0.897)	33790	1.00000	1.114
$	66 Terphenyl-d14	244	17.582	17.592	(0.913)	20066	1.00000	1.090
	67 Butylbenzylphthalate	149	18.469	18.479	(0.959)	15663	1.00000	1.043
	68 Benzo(a)anthracene	228	19.233	19.248	(0.999)	26814	1.00000	1.138
*	69 Chrysene-d12	240	19.259	19.275	(1.000)	356280	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.243	19.254	(0.999)	9515	1.00000	1.150
	71 Chrysene	228	19.297	19.323	(1.002)	26935	1.00000	1.135
	72 bis(2-Ethylhexyl)phthalate	149	19.468	19.473	(0.954)	21028	1.00000	1.010
*	134 Di-n-octylphthalate-d4	153	20.403	20.408	(1.000)	797357	20.0000	
	73 Di-n-octylphthalate	149	20.413	20.424	(1.001)	38798	1.00000	1.110

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.889	20.921	(0.975)	27053	1.00000	1.081
75	Benzo(k)fluoranthene	252	20.926	20.953	(0.977)	32653	1.00000	1.268
76	Benzo(a)pyrene	252	21.343	21.369	(0.996)	24994	1.00000	1.097
* 77	Perylene-d12	264	21.423	21.433	(1.000)	402330	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.972	23.009	(1.072)	31752	1.00000	1.112
79	Dibenzo(a,h)anthracene	278	22.994	23.036	(1.073)	26559	1.00000	1.123
80	Benzo(g,h,i)perylene	276	23.394	23.453	(1.092)	29090	1.00000	1.103
90	N-Nitrosodimethylamine	74	3.404	3.420	(0.445)	9449	1.00000	1.042
103	Pyridine	79	3.436	3.382	(0.449)	14359	1.00000	0.9516 (M)
91	Aniline	93	7.208	7.218	(0.942)	22518	1.00000	1.128
105	1-methylnaphthalene	141	10.995	11.011	(1.137)	19000	1.00000	1.108
93	Benzidine	184	17.160	17.170	(0.891)	17641	1.00000	1.212
98	Retene	219	17.833	17.843	(0.926)	12678	1.00000	1.047
111	Azobenzene (1,2-DP-Hydrazine)	77	13.688	13.709	(1.091)	29165	1.00000	1.086
144	alpha-Terpineol	59	9.724	9.739	(1.006)	9672	1.00000	1.042
143	1,4-Dioxane	88	2.742	2.736	(0.358)	6272	1.00000	1.000 (M)
$ 137	d8-1,4-Dioxane	96	2.693	2.682	(0.352)	5871	1.00000	1.036
133	Butylatedhydroxytoluene	205	12.715	12.726	(1.014)	16772	1.00000	1.119
115	Tributyl Phosphate	99	13.736	13.762	(0.920)	28728	1.00000	1.032
116	Dibutyl Phenyl Phosphate	175	15.477	15.493	(1.037)	20254	1.00000	1.056
117	Butyl Diphenyl Phosphate	94	17.176	17.186	(0.892)	7004	1.00000	1.019
118	Triphenyl Phosphate	326	18.779	18.794	(0.975)	4377	1.00000	1.043

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0010810.d
Lab Smp Id: ABN 1
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	169084	10.30
27 Naphthalene-d8	566754	283377	1133508	609664	7.57
42 Acenaphthene-d10	308375	154188	616750	332301	7.76
59 Phenanthrene-d10	447684	223842	895368	479110	7.02
69 Chrysene-d12	331290	165645	662580	356280	7.54
134 Di-n-octylphthala	733535	366768	1467070	797357	8.70
77 Perylene-d12	403979	201990	807958	402330	-0.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.01
27 Naphthalene-d8	9.67	9.17	10.17	9.67	-0.04
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	0.01
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.03
69 Chrysene-d12	19.26	18.76	19.76	19.26	-0.02
134 Di-n-octylphthala	20.41	19.91	20.91	20.40	-0.02
77 Perylene-d12	21.43	20.93	21.93	21.42	-0.05

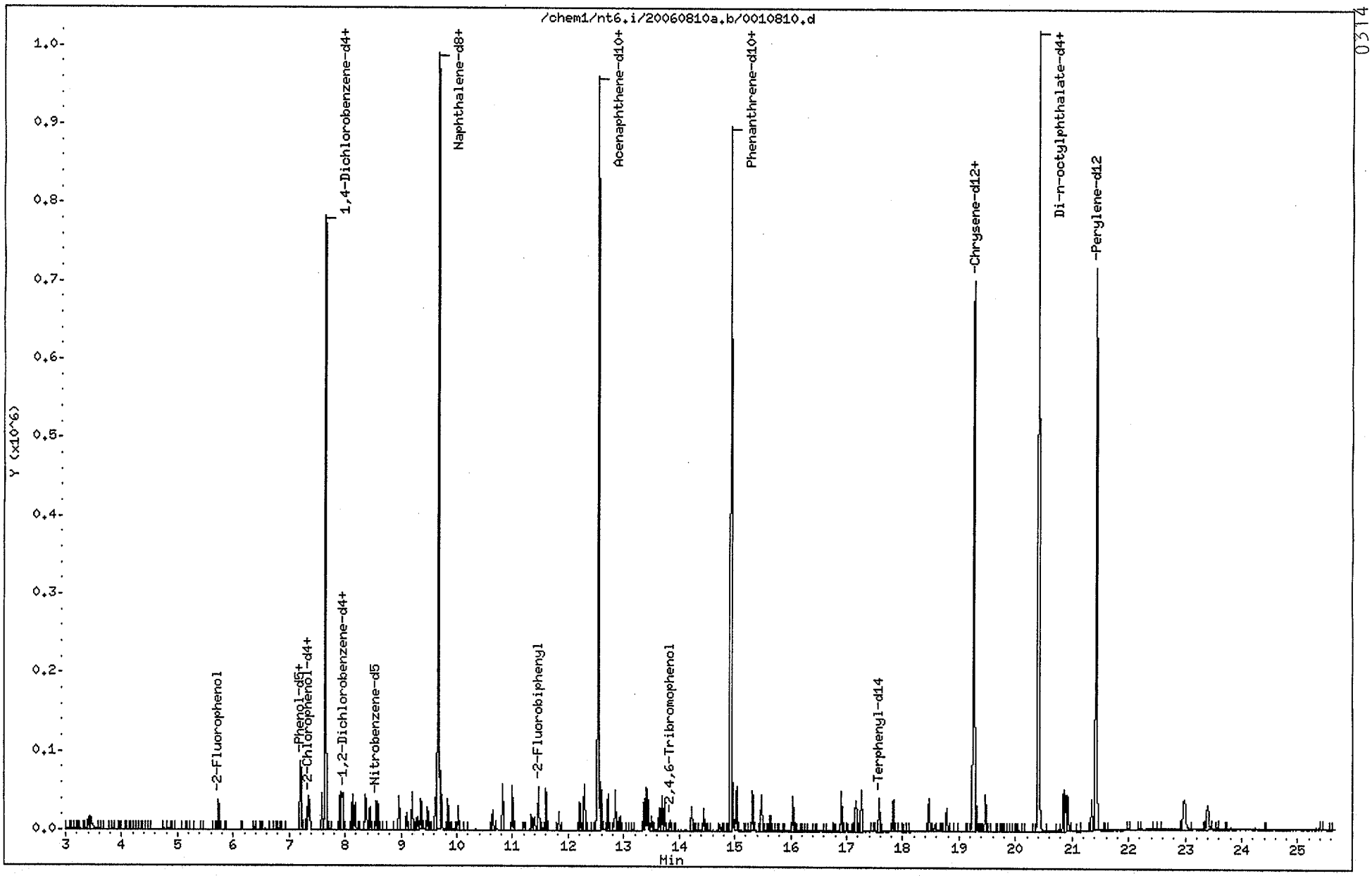
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060810a.b/0010810.d
Date : 10-AUG-2006 16:48
Client ID:
Sample Info: ABN 1

Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



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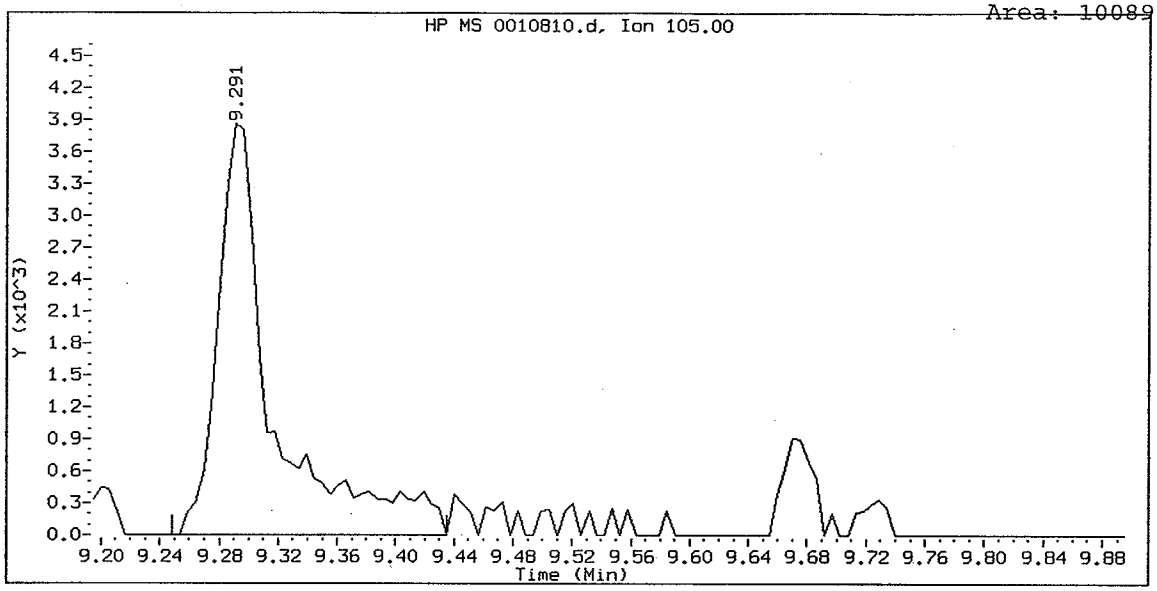
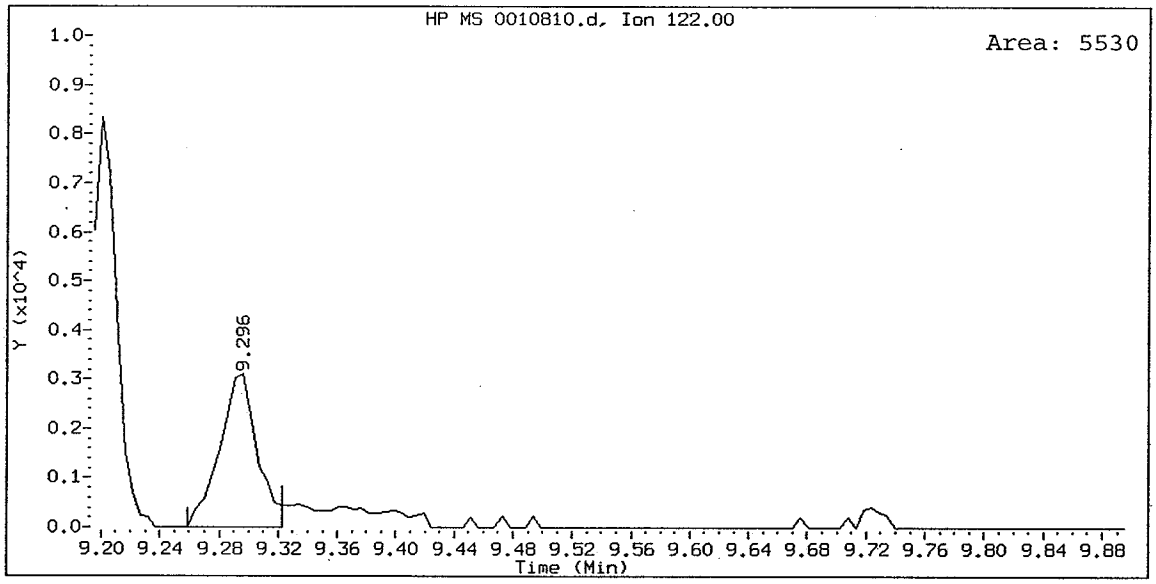
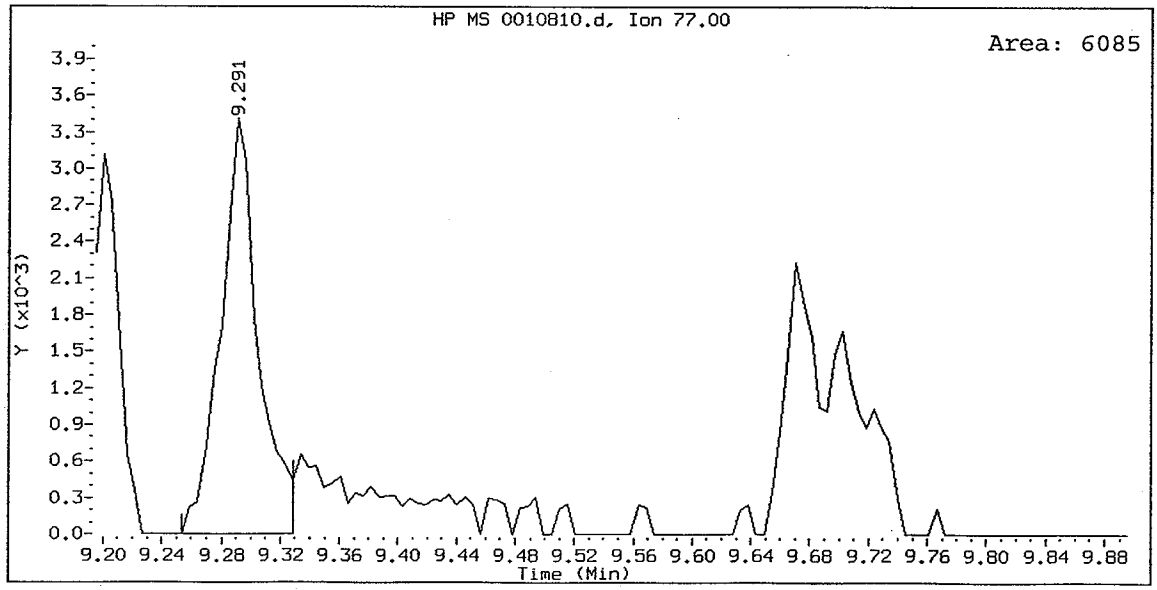
Benzoic acid Amount: 1.50







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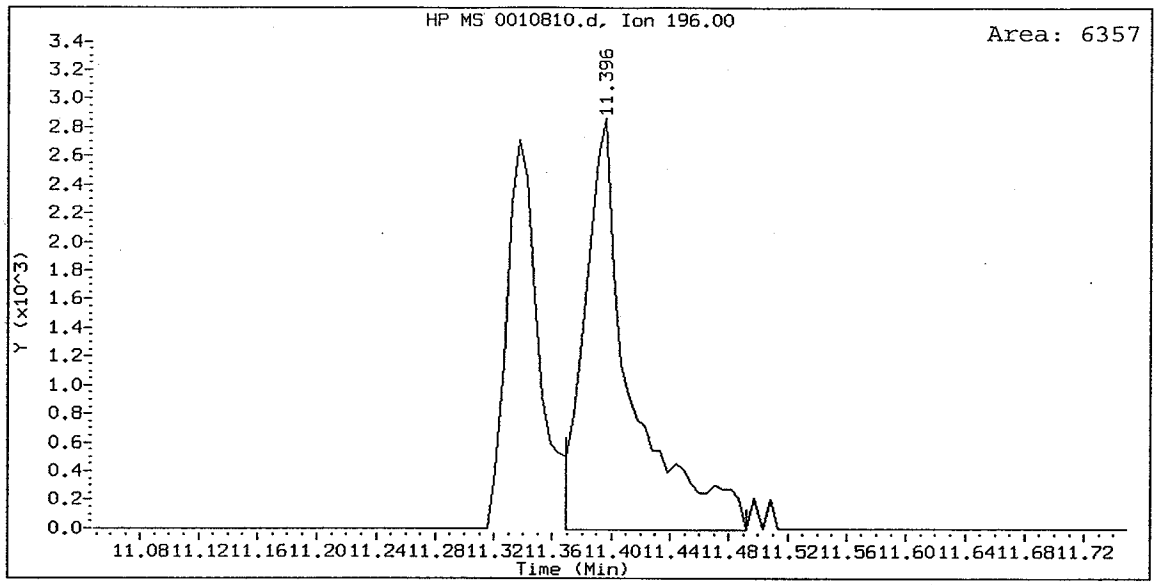
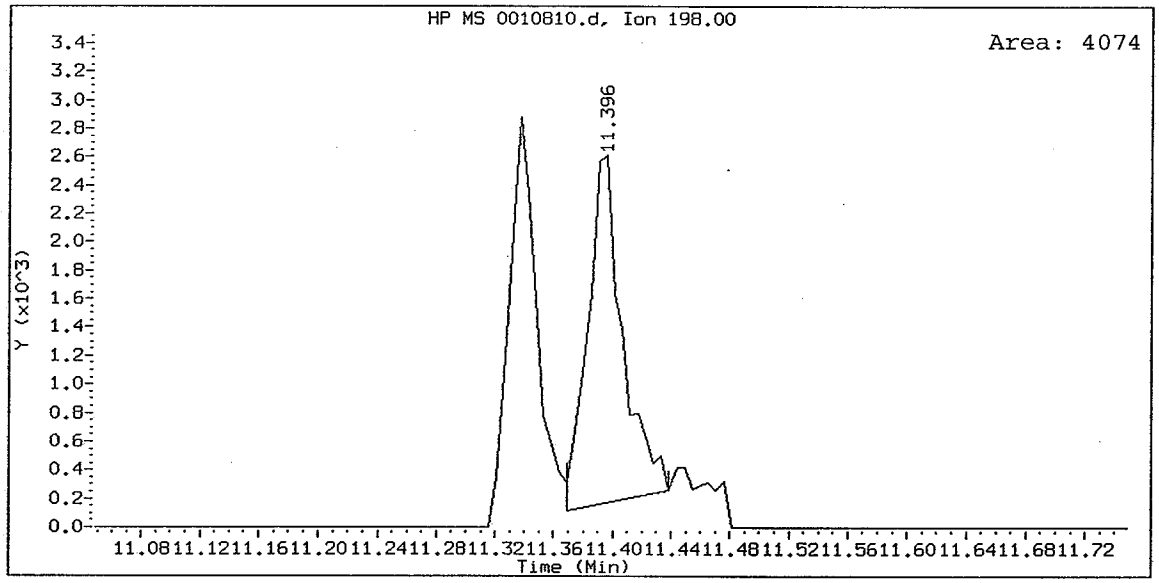
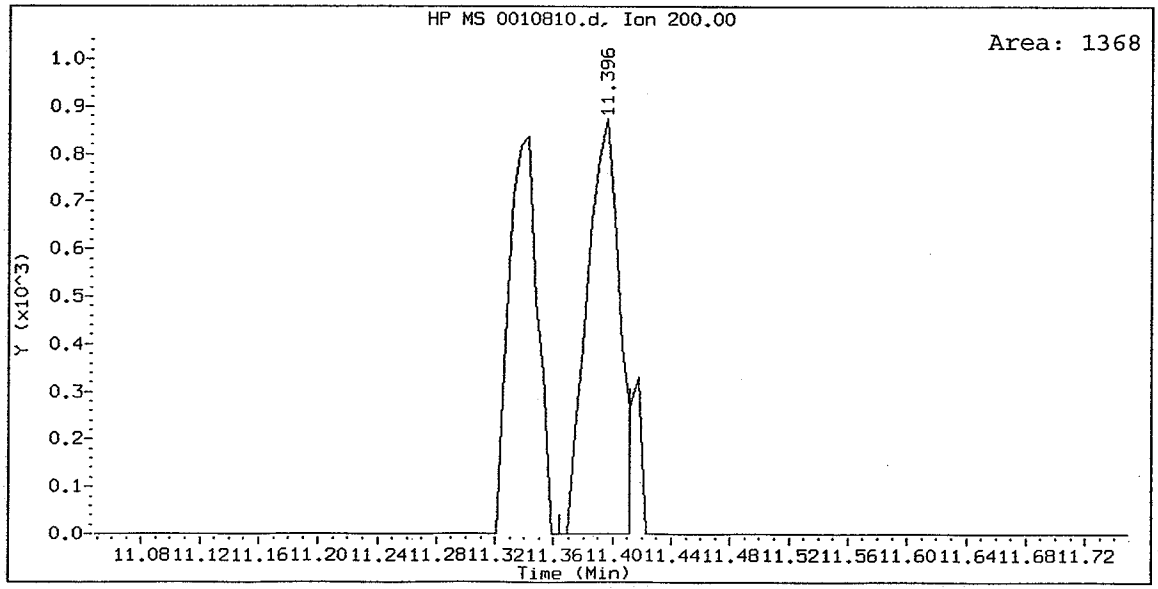
2,4,5-Trichlorophenol Amount: 1.08







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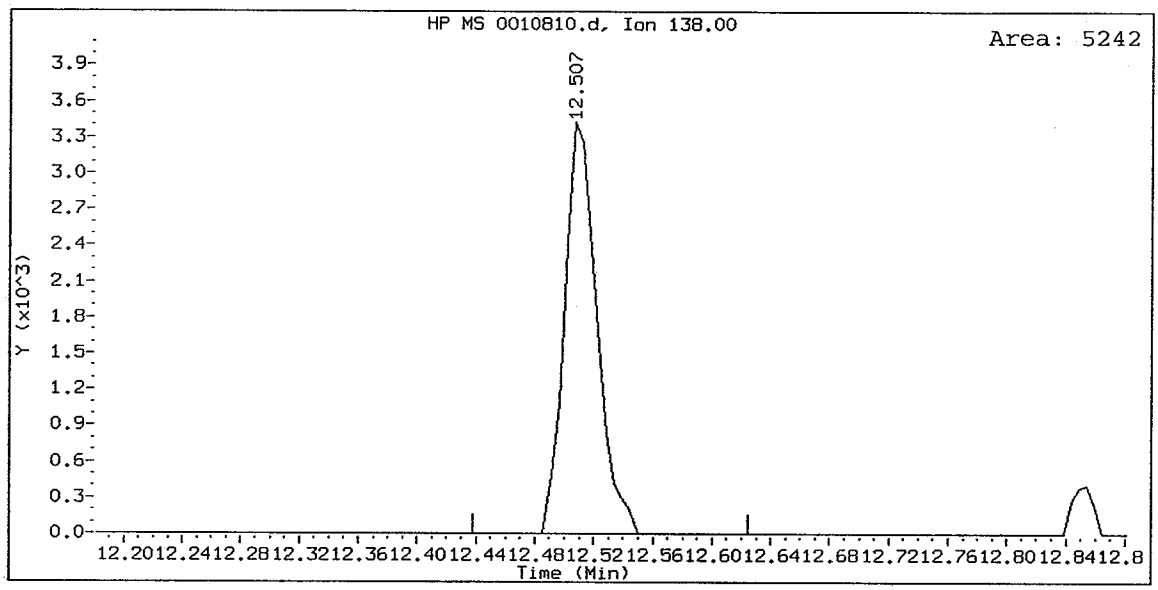
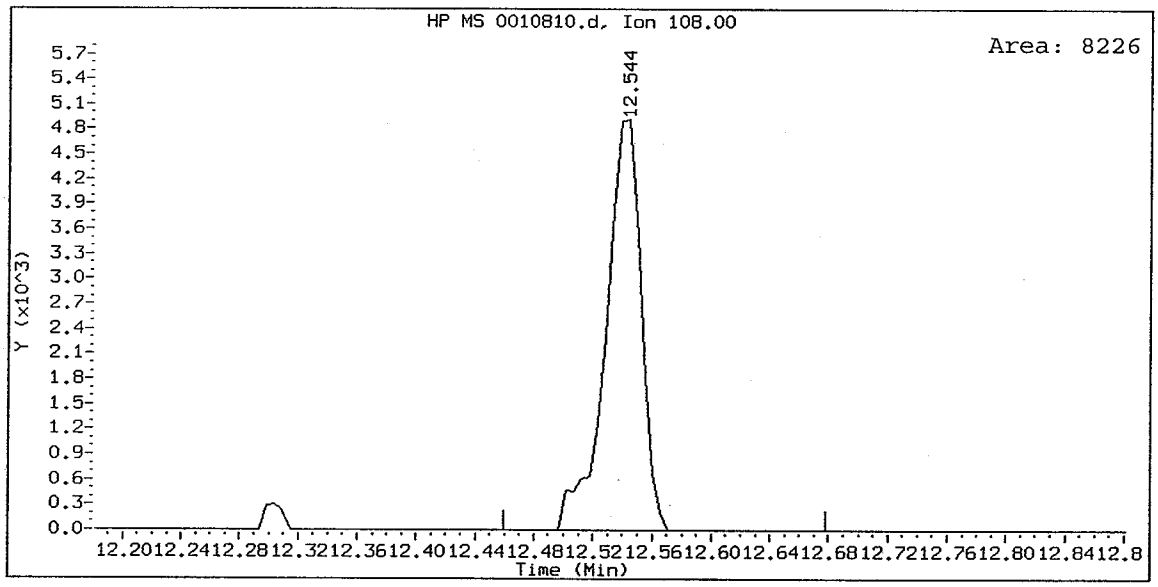
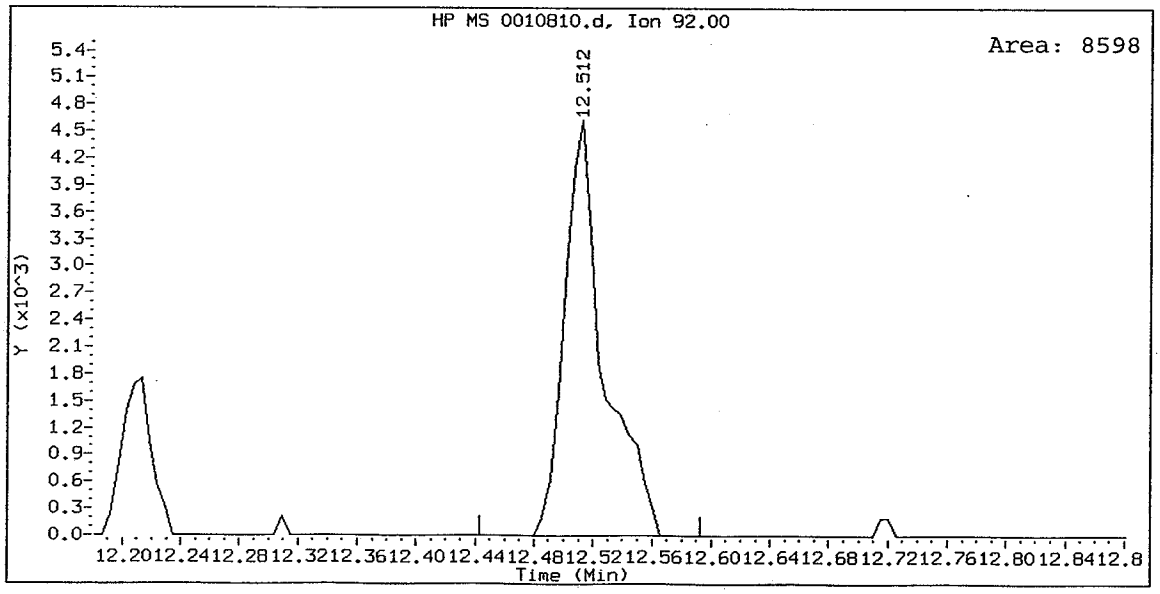
3-Nitroaniline Amount: 0.93







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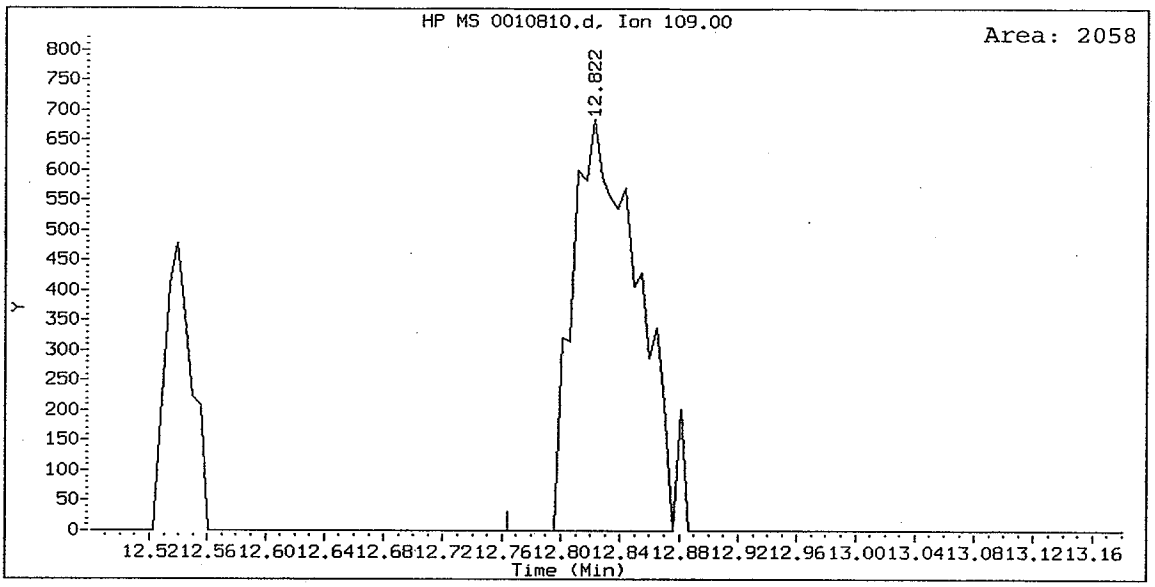
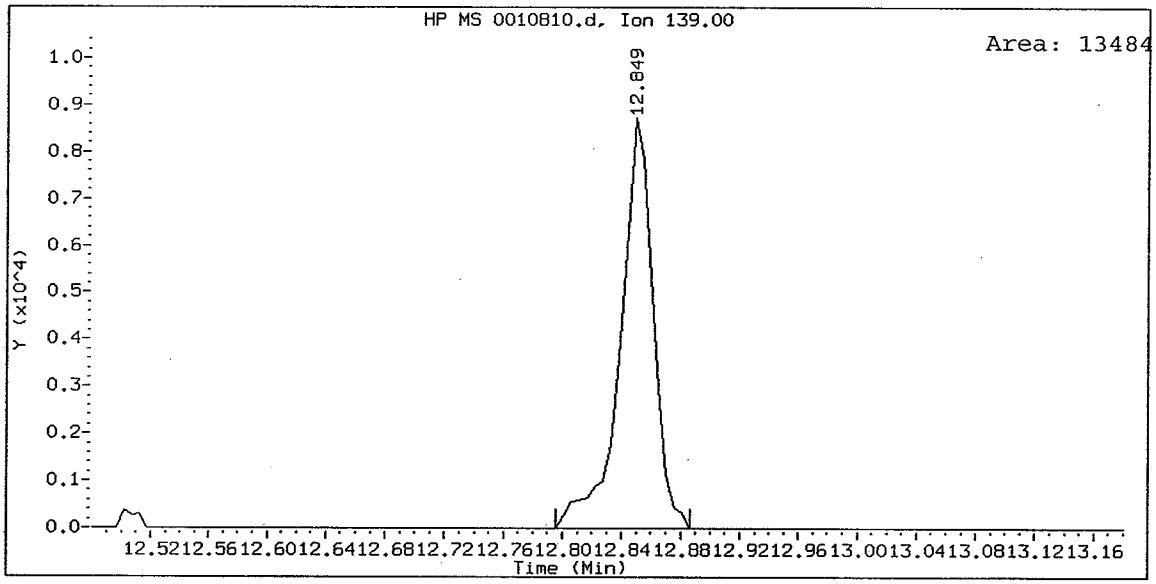
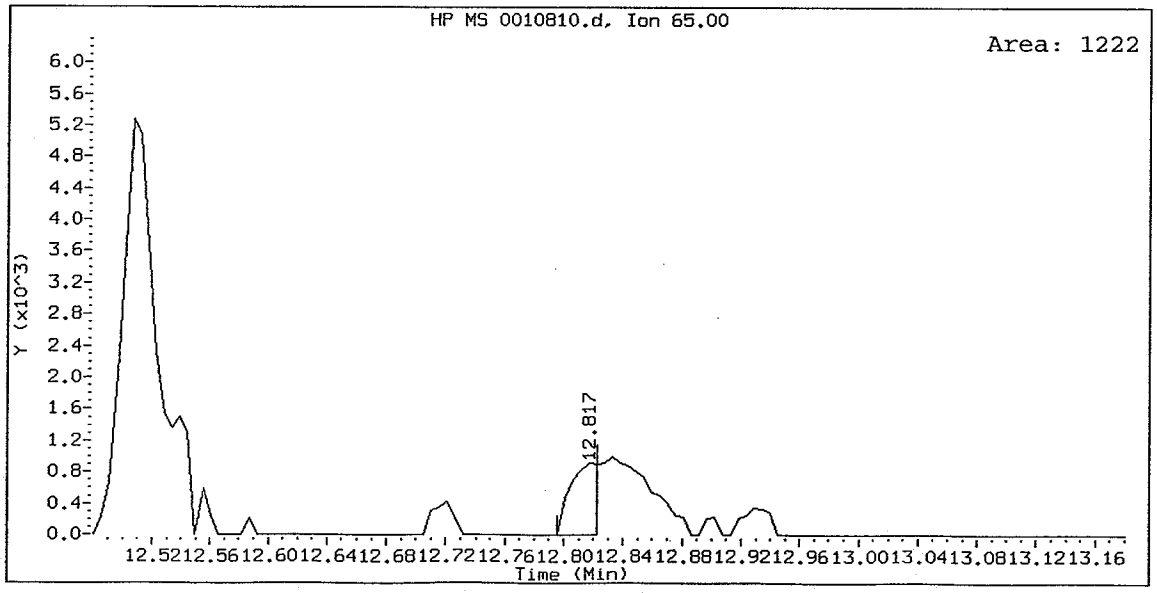
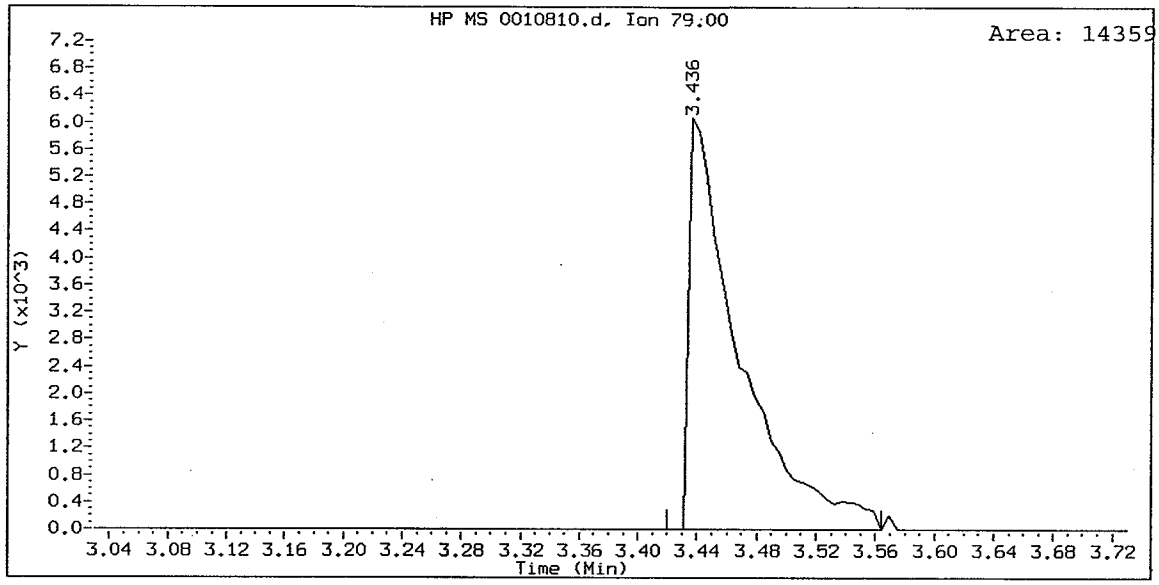
4-Nitrophenol Amount: 0.72

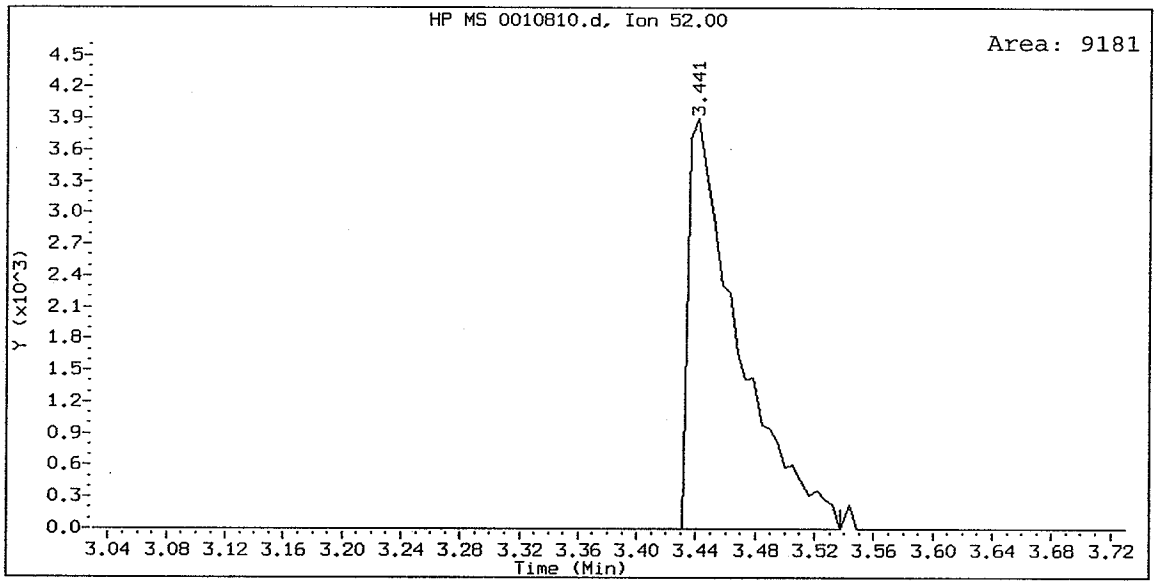






ABN 1, /chem1/nt6.i/20060810a.b/0010810.d
Pyridine Amount: 0.95





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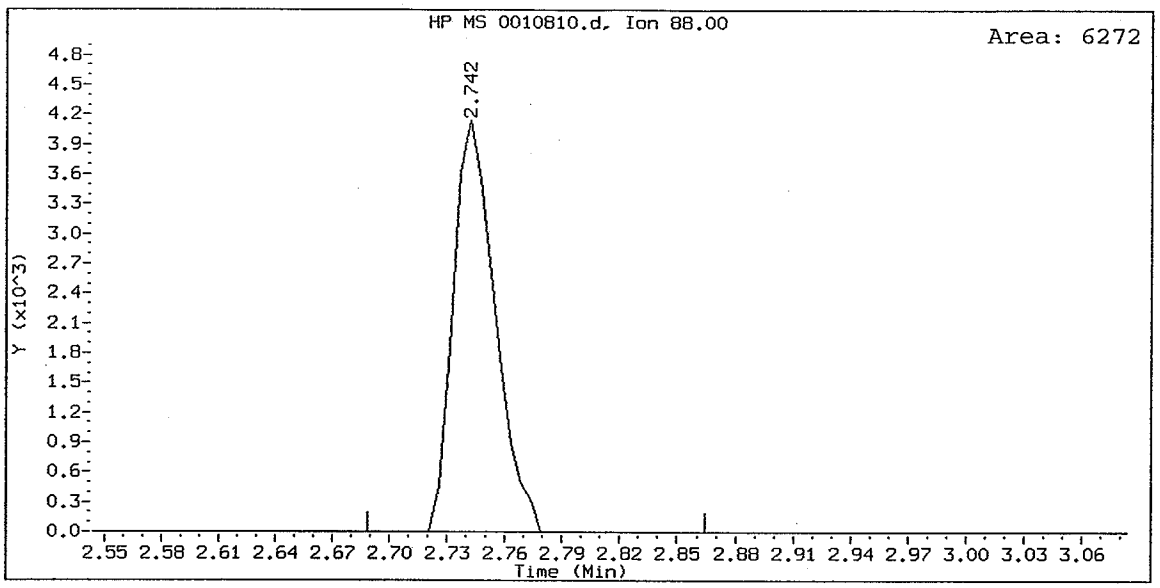
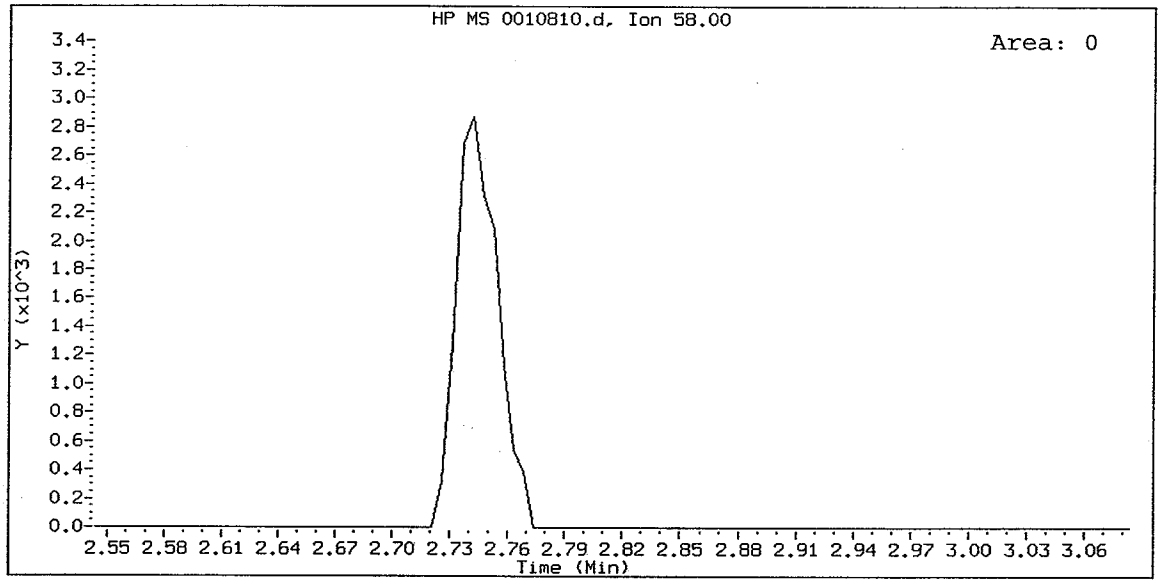
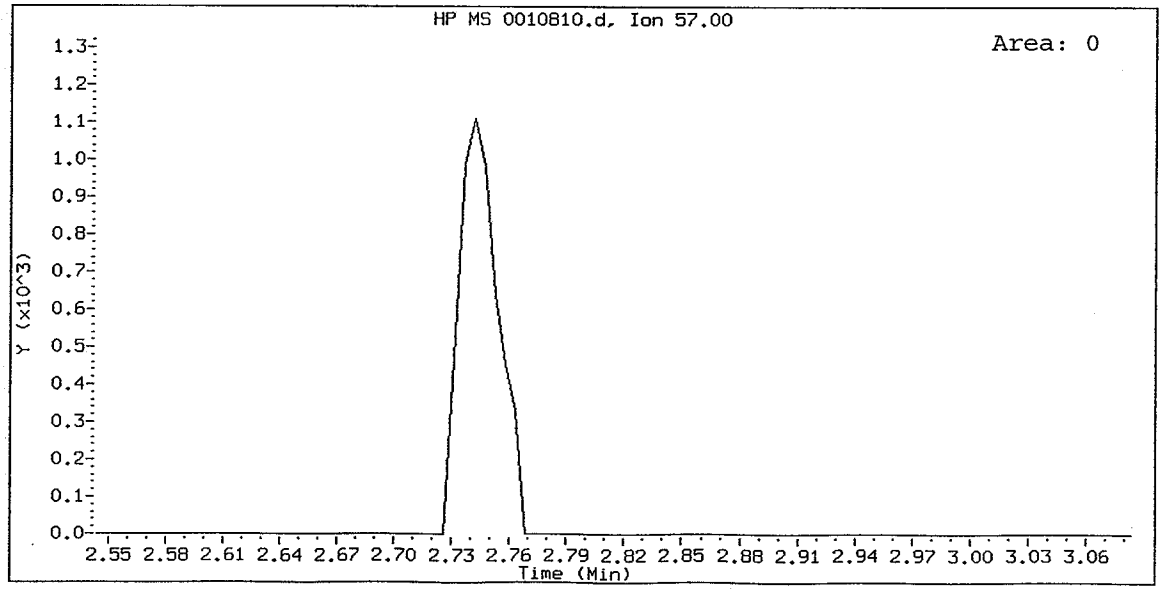
1,4-Dioxane Amount: 1.00







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0050810.d
Lab Smp Id: ABN 5
Inj Date : 10-AUG-2006 17:54
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 5
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 08:08 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:54 Cal File: 0050810.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 8/11/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.735	5.749	(0.750)	67888	5.00000	5.468
$	2 Phenol-d5	99	7.199	7.223	(0.941)	82359	5.00000	5.716
	3 Phenol	94	7.215	7.245	(0.943)	95322	5.00000	5.640
$	5 2-Chlorophenol-d4	132	7.343	7.357	(0.960)	66171	5.00000	5.658
	4 Bis(2-Chloroethyl)ether	93	7.316	7.335	(0.957)	70458	5.00000	5.600
	6 2-Chlorophenol	128	7.370	7.384	(0.964)	63142	5.00000	5.669
	7 1,3-Dichlorobenzene	146	7.589	7.597	(0.992)	67123	5.00000	5.594
*	8 1,4-Dichlorobenzene-d4	152	7.647	7.656	(1.000)	160379	20.0000	
	9 1,4-Dichlorobenzene	146	7.674	7.683	(1.003)	67730	5.00000	5.615
$	10 1,2-Dichlorobenzene-d4	152	7.941	7.950	(1.038)	41877	5.00000	5.840
	12 1,2-Dichlorobenzene	146	7.963	7.971	(1.041)	63792	5.00000	5.671
	11 Benzyl alcohol	108	7.915	7.934	(1.035)	47718	5.00000	5.667
	14 2,2'-oxybis(1-Chloropropane)	45	8.182	8.190	(1.070)	103744	5.00000	5.531
	13 2-Methylphenol	108	8.134	8.153	(1.064)	61141	5.00000	5.487
	17 Hexachloroethane	117	8.449	8.452	(1.105)	26833	5.00000	5.482
	16 N-Nitroso-di-n-propylamine	70	8.385	8.415	(1.096)	55544	5.00000	5.539
	15 4-Methylphenol	108	8.363	8.388	(1.094)	63487	5.00000	5.563
$	18 Nitrobenzene-d5	82	8.561	8.580	(0.885)	79066	5.00000	5.511
	19 Nitrobenzene	77	8.588	8.607	(0.888)	77051	5.00000	5.633
	20 Isophorone	82	8.967	8.992	(0.927)	136352	5.00000	5.627
	21 2-Nitrophenol	139	9.100	9.114	(0.941)	28774	5.00000	5.200
	22 2,4-Dimethylphenol	107	9.202	9.221	(0.951)	65153	5.00000	5.589
	23 Bis(2-Chloroethoxy)methane	93	9.357	9.376	(0.967)	83260	5.00000	5.657
	24 Benzoic acid	105	9.336	9.547	(0.965)	76568	10.0000	11.44 (M)
	25 2,4-Dichlorophenol	162	9.474	9.494	(0.980)	44507	5.00000	5.526
	26 1,2,4-Trichlorobenzene	180	9.619	9.627	(0.994)	49862	5.00000	5.705
*	27 Naphthalene-d8	136	9.672	9.681	(1.000)	582950	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.704	9.718	(1.003)	175568	5.00000	5.841
	29 4-Chloroaniline	127	9.838	9.857	(1.017)	75471	5.00000	5.796
	30 Hexachlorobutadiene	225	10.025	10.028	(1.036)	24182	5.00000	5.753
	31 4-Chloro-3-methylphenol	107	10.644	10.658	(1.101)	54339	5.00000	5.586
	32 2-Methylnaphthalene	141	10.826	10.835	(1.119)	94302	5.00000	5.858
	33 Hexachlorocyclopentadiene	237	11.211	11.214	(0.894)	14564	5.00000	4.374
	34 2,4,6-Trichlorophenol	196	11.339	11.347	(0.904)	27066	5.00000	5.132
	35 2,4,5-Trichlorophenol	196	11.392	11.401	(0.908)	31248	5.00000	5.510
$	36 2-Fluorobiphenyl	172	11.472	11.481	(0.915)	120406	5.00000	5.865
	37 2-Chloronaphthalene	162	11.606	11.620	(0.925)	102952	5.00000	5.698
	38 2-Nitroaniline	65	11.830	11.850	(0.943)	38663	5.00000	5.420
	39 Dimethylphthalate	163	12.210	12.234	(0.974)	110217	5.00000	5.658
	40 Acenaphthylene	152	12.284	12.298	(0.980)	170066	5.00000	5.846
	41 2,6-Dinitrotoluene	165	12.306	12.325	(0.981)	22821	5.00000	5.382
*	42 Acenaphthene-d10	164	12.541	12.549	(1.000)	318769	20.0000	
	43 3-Nitroaniline	138	12.509	12.533	(0.997)	29721	5.00000	5.485
	44 Acenaphthene	153	12.594	12.608	(1.004)	103709	5.00000	5.710
	45 2,4-Dinitrophenol	184	12.685	12.699	(1.012)	2786	10.0000	3.313
	46 Dibenzofuran	168	12.851	12.870	(1.025)	142577	5.00000	5.894
	47 4-Nitrophenol	109	12.808	12.833	(1.021)	13574	5.00000	4.951
	48 2,4-Dinitrotoluene	165	12.931	12.950	(1.031)	28120	5.00000	5.087
	50 Diethylphthalate	149	13.369	13.393	(1.066)	112091	5.00000	5.648
	49 Fluorene	166	13.412	13.426	(1.069)	117952	5.00000	5.849
	51 4-Chlorophenyl-phenylether	204	13.438	13.447	(1.072)	52623	5.00000	5.882
	52 4-Nitroaniline	138	13.502	13.543	(1.077)	29707	5.00000	5.780
	53 4,6-Dinitro-2-methylphenol	198	13.588	13.618	(0.910)	11039	10.0000	6.052
	54 N-Nitrosodiphenylamine	169	13.641	13.661	(0.914)	54903	5.00000	5.710
$	55 2,4,6-Tribromophenol	330	13.839	13.853	(1.103)	11292	5.00000	5.022
	56 4-Bromophenyl-phenylether	248	14.224	14.238	(0.953)	26306	5.00000	5.796
	57 Hexachlorobenzene	284	14.448	14.457	(0.968)	28565	5.00000	5.747
	58 Pentachlorophenol	266	14.742	14.756	(0.987)	11678	5.00000	4.452
*	59 Phenanthrene-d10	188	14.929	14.937	(1.000)	461397	20.0000	
	60 Phenanthrene	178	14.961	14.980	(1.002)	161140	5.00000	5.880
	61 Anthracene	178	15.036	15.050	(1.007)	162619	5.00000	5.896
	62 Carbazole	167	15.319	15.333	(1.026)	154878	5.00000	5.886
	63 Di-n-butylphthalate	149	16.040	16.049	(1.074)	183513	5.00000	5.808
	64 Fluoranthene	202	16.911	16.925	(1.133)	159968	5.00000	5.875
	65 Pyrene	202	17.263	17.283	(0.896)	168024	5.00000	5.631
$	66 Terphenyl-d14	244	17.584	17.592	(0.913)	102214	5.00000	5.642
	67 Butylbenzylphthalate	149	18.465	18.479	(0.959)	80690	5.00000	5.462
	68 Benzo(a)anthracene	228	19.235	19.248	(0.999)	134146	5.00000	5.787
*	69 Chrysene-d12	240	19.261	19.275	(1.000)	350618	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.240	19.254	(0.999)	48074	5.00000	5.902
	71 Chrysene	228	19.299	19.323	(1.002)	134104	5.00000	5.742
	72 bis(2-Ethylhexyl)phthalate	149	19.470	19.473	(0.954)	110476	5.00000	5.408
*	134 Di-n-octylphthalate-d4	153	20.404	20.408	(1.000)	782539	20.0000	
	73 Di-n-octylphthalate	149	20.415	20.424	(1.001)	189263	5.00000	5.519

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	74 Benzo(b)fluoranthene	252	20.891	20.921	(0.975)	137448	5.00000	5.469
	75 Benzo(k)fluoranthene	252	20.928	20.953	(0.977)	162281	5.00000	6.276
	76 Benzo(a)pyrene	252	21.345	21.369	(0.996)	131878	5.00000	5.764
*	77 Perylene-d12	264	21.425	21.433	(1.000)	404038	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	22.969	23.009	(1.072)	164593	5.00000	5.742
	79 Dibenzo(a,h)anthracene	278	22.995	23.036	(1.073)	138120	5.00000	5.814
	80 Benzo(g,h,i)perylene	276	23.396	23.453	(1.092)	148607	5.00000	5.611
	90 N-Nitrosodimethylamine	74	3.390	3.420	(0.443)	46512	5.00000	5.406
	103 Pyridine	79	3.395	3.382	(0.444)	77892	5.00000	5.442
	91 Aniline	93	7.204	7.218	(0.942)	111955	5.00000	5.911
	105 1-methylnaphthalene	141	10.997	11.011	(1.137)	95591	5.00000	5.831
	93 Benzidine	184	17.156	17.170	(0.891)	89393	5.00000	6.243
	98 Retene	219	17.830	17.843	(0.926)	66872	5.00000	5.613
	111 Azobenzene (1,2-DP-Hydrazine)	77	13.689	13.709	(1.092)	145851	5.00000	5.659
	144 alpha-Terpineol	59	9.726	9.739	(1.006)	50128	5.00000	5.647
	143 1,4-Dioxane	88	2.733	2.736	(0.357)	30917	5.00000	5.097(M)
$	137 d8-1,4-Dioxane	96	2.679	2.682	(0.350)	29111	5.00000	5.417
	133 Butylatedhydroxytoluene	205	12.717	12.726	(1.014)	83444	5.00000	5.806
	115 Tributyl Phosphate	99	13.737	13.762	(0.920)	151483	5.00000	5.651
	116 Dibutyl Phenyl Phosphate	175	15.479	15.493	(1.037)	106588	5.00000	5.769
	117 Butyl Diphenyl Phosphate	94	17.178	17.186	(0.892)	37217	5.00000	5.504
	118 Triphenyl Phosphate	326	18.786	18.794	(0.975)	22225	5.00000	5.380

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0050810.d
Lab Smp Id: ABN 5
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	160379	4.63
27 Naphthalene-d8	566754	283377	1133508	582950	2.86
42 Acenaphthene-d10	308375	154188	616750	318769	3.37
59 Phenanthrene-d10	447684	223842	895368	461397	3.06
69 Chrysene-d12	331290	165645	662580	350618	5.83
134 Di-n-octylphthala	733535	366768	1467070	782539	6.68
77 Perylene-d12	403979	201990	807958	404038	0.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	-0.03
27 Naphthalene-d8	9.67	9.17	10.17	9.67	-0.03
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	-0.02
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.02
69 Chrysene-d12	19.26	18.76	19.76	19.26	-0.01
134 Di-n-octylphthala	20.41	19.91	20.91	20.40	-0.01
77 Perylene-d12	21.43	20.93	21.93	21.42	-0.04

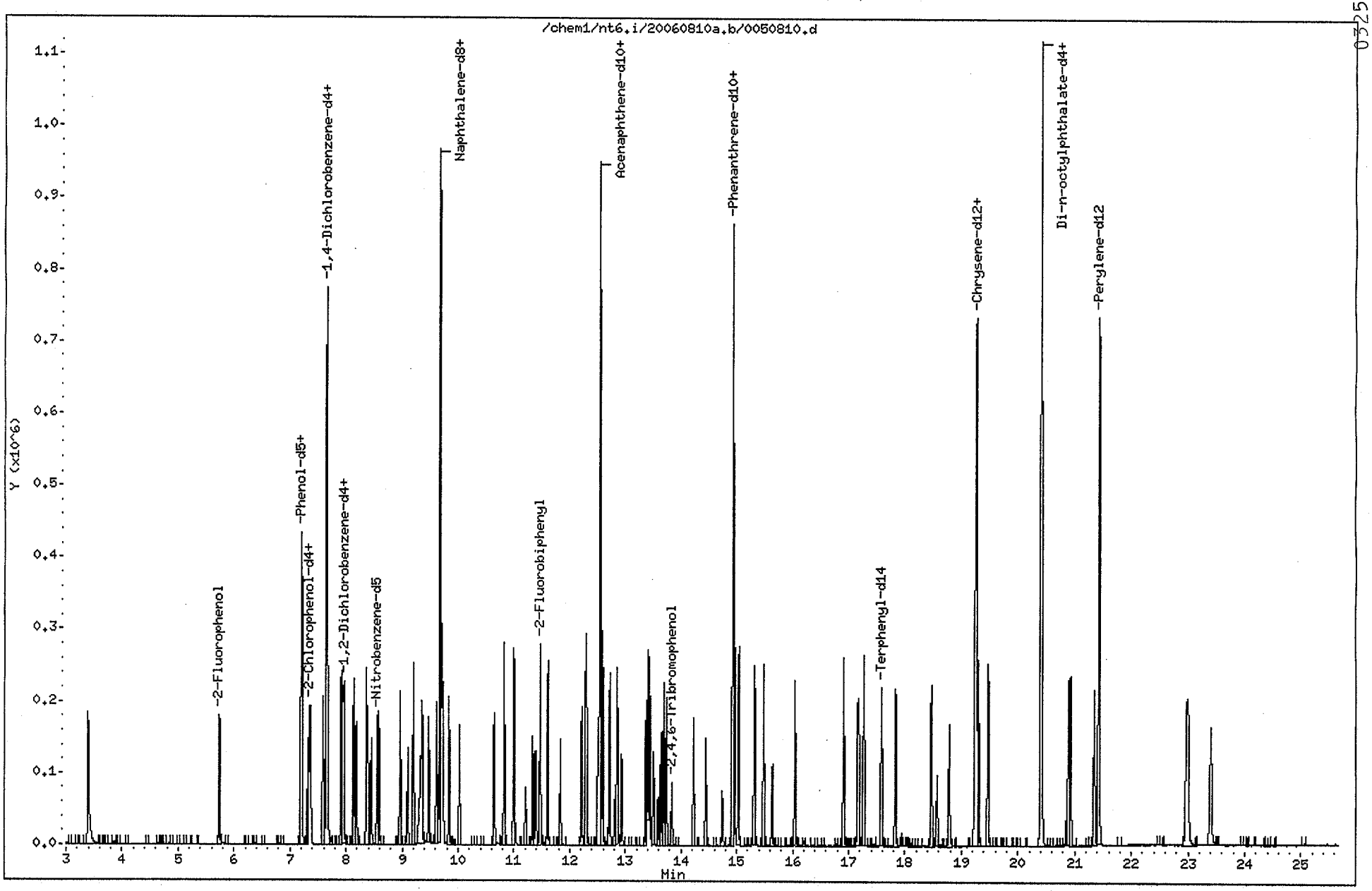
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060810a.b/0050810.d
Date : 10-AUG-2006 17:54
Client ID:
Sample Info: ABN 5

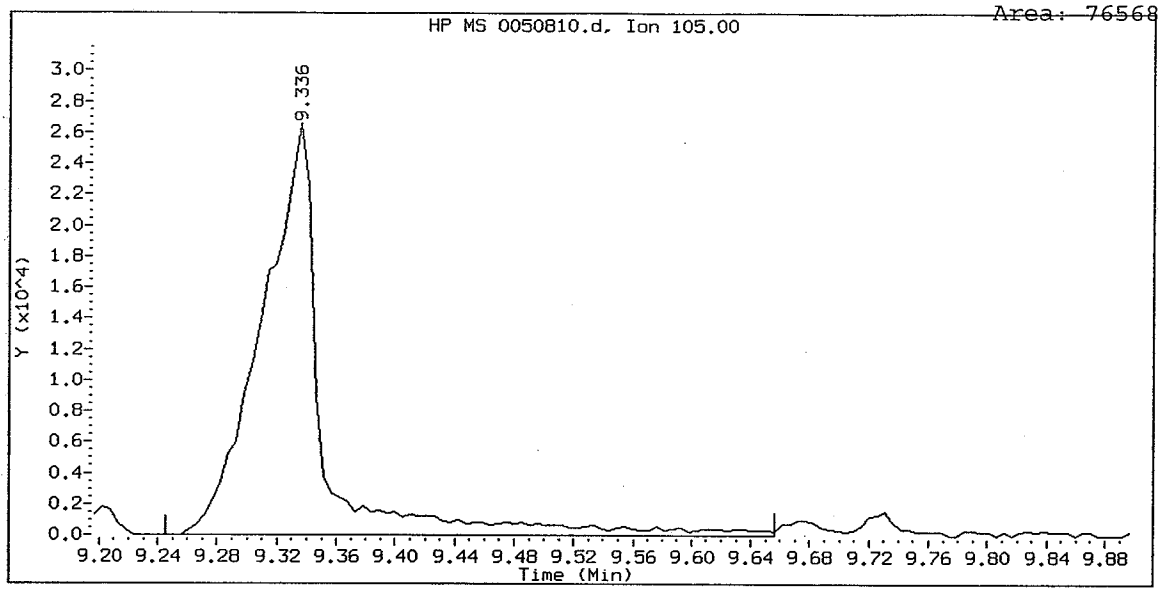
Instrument: nt6.i

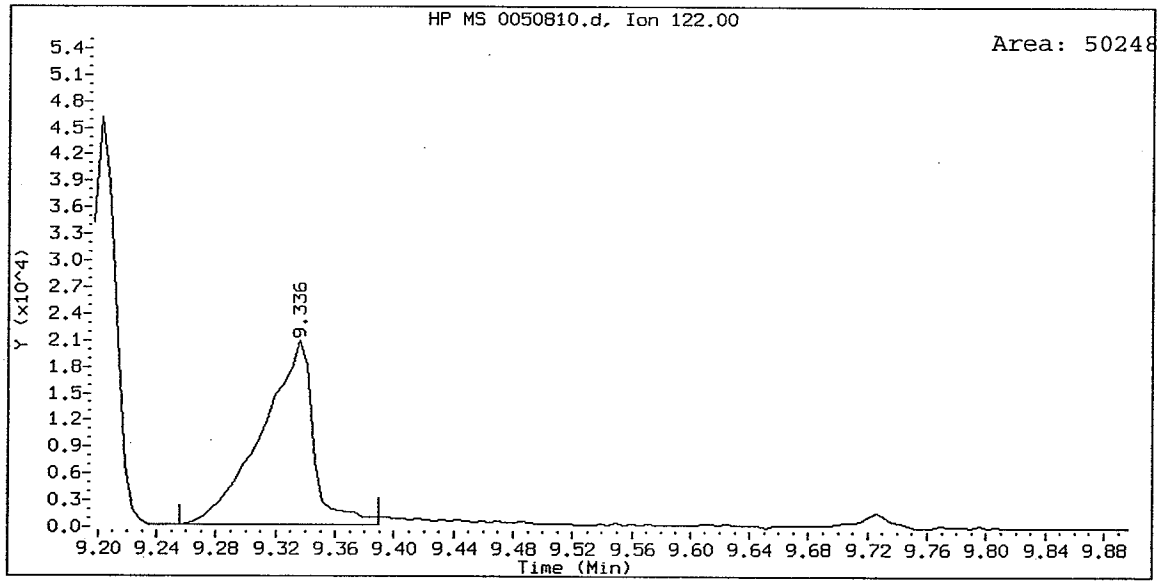
Operator: LJR
Column diameter: 0.32

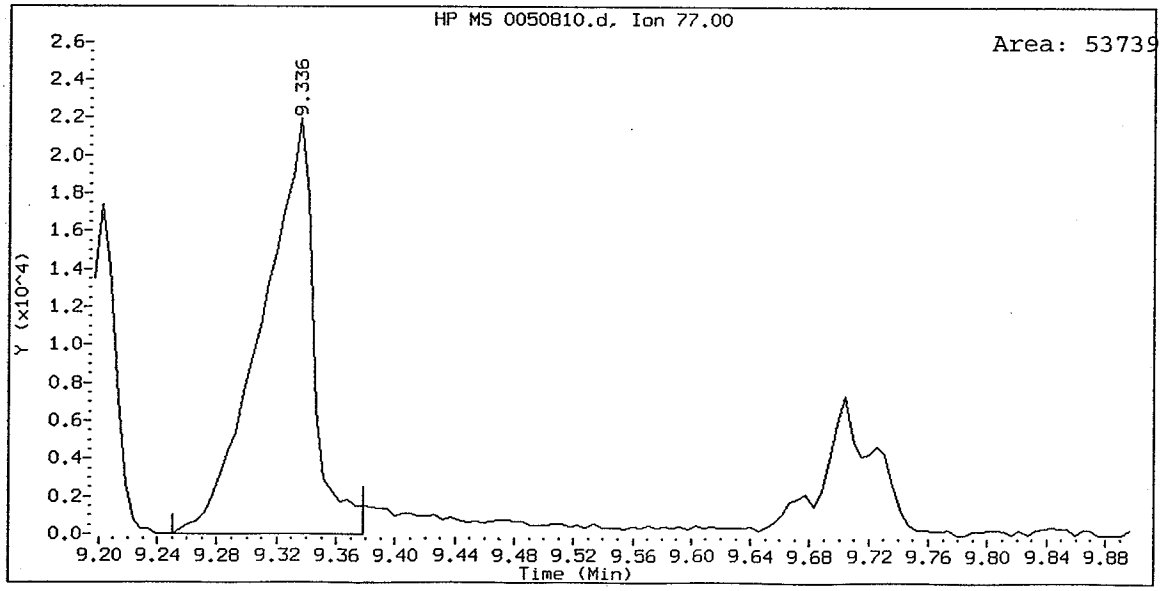
Column phase: ZB-5



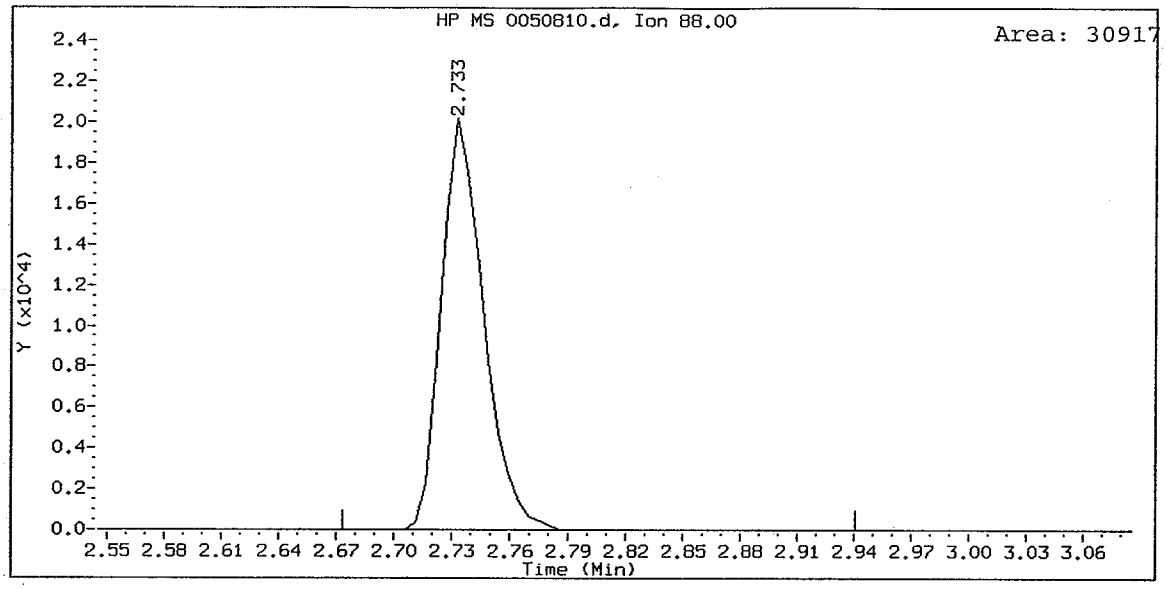
ABN 5, /chem1/nt6.i/20060810a.b/0050810.d
Benzoic acid Amount: 11.44

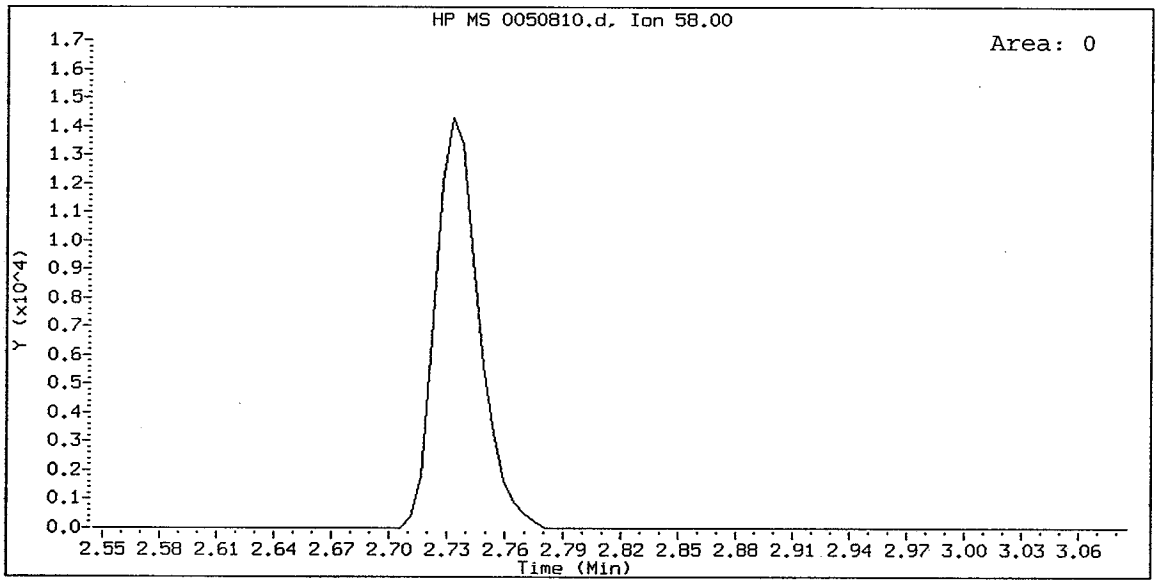


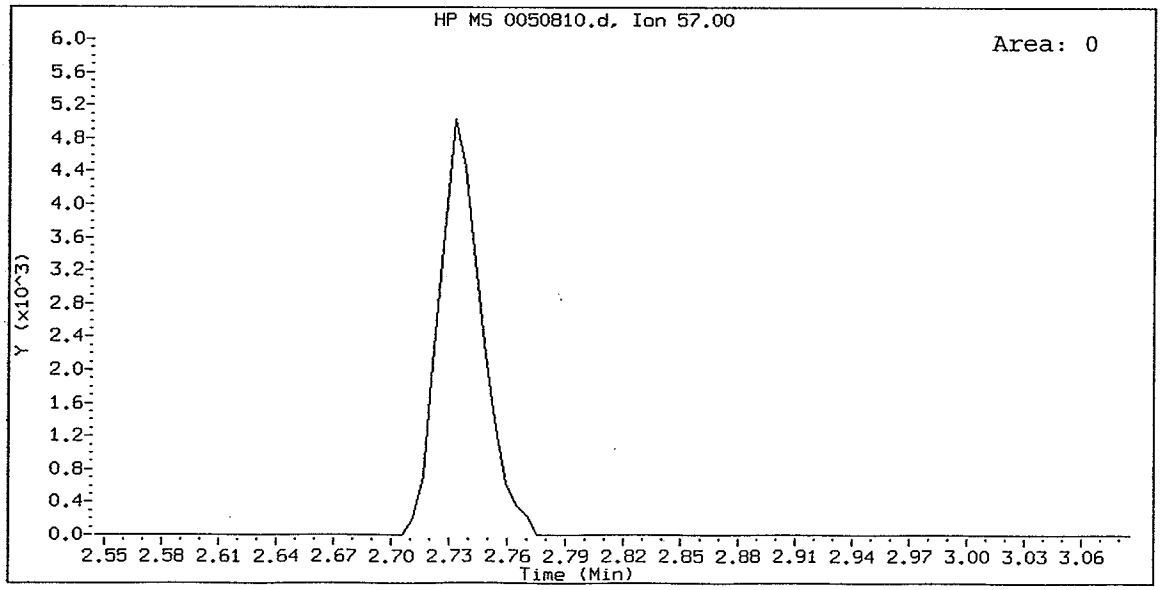




ABN 5, /chem1/nt6.i/20060810a.b/0050810.d
1,4-Dioxane Amount: 5.10







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0100810.d
Lab Smp Id: ABN 10
Inj Date : 10-AUG-2006 18:27
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 10
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 08:08 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 18:27 Cal File: 0100810.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 8/11/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.740	5.749	(0.751)	132749	10.0000	10.12
$	2 Phenol-d5	99	7.199	7.223	(0.941)	162045	10.0000	10.64
	3 Phenol	94	7.215	7.245	(0.943)	185864	10.0000	10.40
$	5 2-Chlorophenol-d4	132	7.348	7.357	(0.961)	129542	10.0000	10.48
	4 Bis(2-Chloroethyl)ether	93	7.321	7.335	(0.957)	132819	10.0000	9.986
	6 2-Chlorophenol	128	7.370	7.384	(0.964)	122470	10.0000	10.40
	7 1,3-Dichlorobenzene	146	7.589	7.597	(0.992)	126328	10.0000	9.960
*	8 1,4-Dichlorobenzene-d4	152	7.647	7.656	(1.000)	169520	20.0000	
	9 1,4-Dichlorobenzene	146	7.674	7.683	(1.003)	128315	10.0000	10.06
$	10 1,2-Dichlorobenzene-d4	152	7.941	7.950	(1.038)	81455	10.0000	10.75
	12 1,2-Dichlorobenzene	146	7.963	7.971	(1.041)	120590	10.0000	10.14
	11 Benzyl alcohol	108	7.914	7.934	(1.035)	89785	10.0000	10.09
	14 2,2'-oxybis(1-Chloropropane)	45	8.182	8.190	(1.070)	193860	10.0000	9.779
	13 2-Methylphenol	108	8.139	8.153	(1.064)	123491	10.0000	10.48
	17 Hexachloroethane	117	8.449	8.452	(1.105)	51840	10.0000	10.02
	16 N-Nitroso-di-n-propylamine	70	8.390	8.415	(1.097)	104391	10.0000	9.849
	15 4-Methylphenol	108	8.363	8.388	(1.094)	126421	10.0000	10.48
$	18 Nitrobenzene-d5	82	8.561	8.580	(0.885)	155736	10.0000	10.26
	19 Nitrobenzene	77	8.588	8.607	(0.888)	144688	10.0000	9.993
	20 Isophorone	82	8.967	8.992	(0.927)	254326	10.0000	9.916
	21 2-Nitrophenol	139	9.106	9.114	(0.941)	60054	10.0000	10.25
	22 2,4-Dimethylphenol	107	9.202	9.221	(0.951)	129938	10.0000	10.53
	23 Bis(2-Chloroethoxy)methane	93	9.357	9.376	(0.967)	154632	10.0000	9.925
	24 Benzoic acid	105	9.373	9.547	(0.969)	163914	20.0000	22.86 (M)
	25 2,4-Dichlorophenol	162	9.480	9.494	(0.980)	89570	10.0000	10.51
	26 1,2,4-Trichlorobenzene	180	9.619	9.627	(0.994)	92959	10.0000	10.05
*	27 Naphthalene-d8	136	9.672	9.681	(1.000)	617059	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.704	9.718	(1.003)	324701	10.0000	10.21
	29 4-Chloroaniline	127	9.843	9.857	(1.018)	142177	10.0000	10.31
	30 Hexachlorobutadiene	225	10.025	10.028	(1.036)	45030	10.0000	10.12
	31 4-Chloro-3-methylphenol	107	10.644	10.658	(1.101)	107846	10.0000	10.47
	32 2-Methylnaphthalene	141	10.826	10.835	(1.119)	175780	10.0000	10.32
	33 Hexachlorocyclopentadiene	237	11.211	11.214	(0.894)	31852	10.0000	9.200
	34 2,4,6-Trichlorophenol	196	11.339	11.347	(0.904)	56855	10.0000	10.37
	35 2,4,5-Trichlorophenol	196	11.392	11.401	(0.908)	62317	10.0000	10.57
$	36 2-Fluorobiphenyl	172	11.472	11.481	(0.915)	229762	10.0000	10.77
	37 2-Chloronaphthalene	162	11.606	11.620	(0.925)	191306	10.0000	10.18
	38 2-Nitroaniline	65	11.836	11.850	(0.944)	73675	10.0000	9.934
	39 Dimethylphthalate	163	12.215	12.234	(0.974)	203479	10.0000	10.05
	40 Acenaphthylene	152	12.284	12.298	(0.980)	308116	10.0000	10.19
	41 2,6-Dinitrotoluene	165	12.306	12.325	(0.981)	43427	10.0000	9.851
*	42 Acenaphthene-d10	164	12.541	12.549	(1.000)	331422	20.0000	
	43 3-Nitroaniline	138	12.514	12.533	(0.998)	56390	10.0000	10.01
	44 Acenaphthene	153	12.594	12.608	(1.004)	192484	10.0000	10.19
	45 2,4-Dinitrophenol	184	12.680	12.699	(1.011)	10797	20.0000	12.35
	46 Dibenzofuran	168	12.856	12.870	(1.025)	257468	10.0000	10.24
	47 4-Nitrophenol	109	12.808	12.833	(1.021)	28506	10.0000	9.999
	48 2,4-Dinitrotoluene	165	12.931	12.950	(1.031)	56041	10.0000	9.751
	50 Diethylphthalate	149	13.374	13.393	(1.066)	206243	10.0000	9.995
	49 Fluorene	166	13.412	13.426	(1.069)	215329	10.0000	10.27
	51 4-Chlorophenyl-phenylether	204	13.438	13.447	(1.072)	93387	10.0000	10.04
	52 4-Nitroaniline	138	13.508	13.543	(1.077)	55500	10.0000	10.39
	53 4,6-Dinitro-2-methylphenol	198	13.588	13.618	(0.910)	31247	20.0000	16.50
	54 N-Nitrosodiphenylamine	169	13.641	13.661	(0.914)	99887	10.0000	10.01
$	55 2,4,6-Tribromophenol	330	13.839	13.853	(1.103)	23628	10.0000	10.11
	56 4-Bromophenyl-phenylether	248	14.224	14.238	(0.953)	47278	10.0000	10.03
	57 Hexachlorobenzene	284	14.448	14.457	(0.968)	50742	10.0000	9.834
	58 Pentachlorophenol	266	14.742	14.756	(0.987)	26383	10.0000	9.690
*	59 Phenanthrene-d10	188	14.929	14.937	(1.000)	478951	20.0000	
	60 Phenanthrene	178	14.961	14.980	(1.002)	288444	10.0000	10.14
	61 Anthracene	178	15.036	15.050	(1.007)	294419	10.0000	10.28
	62 Carbazole	167	15.319	15.333	(1.026)	277617	10.0000	10.16
	63 Di-n-butylphthalate	149	16.040	16.049	(1.074)	336550	10.0000	10.26
	64 Fluoranthene	202	16.911	16.925	(1.133)	286427	10.0000	10.13
	65 Pyrene	202	17.269	17.283	(0.897)	302497	10.0000	10.16
$	66 Terphenyl-d14	244	17.584	17.592	(0.913)	190939	10.0000	10.56
	67 Butylbenzylphthalate	149	18.465	18.479	(0.959)	146125	10.0000	9.914
	68 Benzo(a)anthracene	228	19.234	19.248	(0.999)	232581	10.0000	10.06
*	69 Chrysene-d12	240	19.261	19.275	(1.000)	349798	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.240	19.254	(0.999)	85475	10.0000	10.52
	71 Chrysene	228	19.299	19.323	(1.002)	231420	10.0000	9.932
	72 bis(2-Ethylhexyl)phthalate	149	19.470	19.473	(0.954)	201840	10.0000	9.913
*	134 Di-n-octylphthalate-d4	153	20.404	20.408	(1.000)	779942	20.0000	
	73 Di-n-octylphthalate	149	20.415	20.424	(1.001)	331926	10.0000	9.711

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.896	20.921	(0.975)	258994	10.0000	10.31
75	Benzo(k)fluoranthene	252	20.928	20.953	(0.977)	259191	10.0000	10.03
76	Benzo(a)pyrene	252	21.345	21.369	(0.996)	233432	10.0000	10.21
* 77	Perylene-d12	264	21.430	21.433	(1.000)	403781	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.974	23.009	(1.072)	286708	10.0000	10.01
79	Dibenzo(a,h)anthracene	278	22.995	23.036	(1.073)	241710	10.0000	10.18
80	Benzo(g,h,i)perylene	276	23.401	23.453	(1.092)	265418	10.0000	10.03
90	N-Nitrosodimethylamine	74	3.395	3.420	(0.444)	89098	10.0000	9.797
103	Pyridine	79	3.390	3.382	(0.443)	148937	10.0000	9.845
91	Aniline	93	7.204	7.218	(0.942)	206048	10.0000	10.29
105	1-methylnaphthalene	141	10.997	11.011	(1.137)	177186	10.0000	10.21
93	Benzidine	184	17.156	17.170	(0.891)	156805	10.0000	10.98
98	Retene	219	17.829	17.843	(0.926)	123154	10.0000	10.36
111	Azobenzene (1,2-DP-Hydrazine)	77	13.689	13.709	(1.092)	268384	10.0000	10.02
144	alpha-Terpineol	59	9.725	9.739	(1.006)	99365	10.0000	10.57
143	1,4-Dioxane	88	2.733	2.736	(0.357)	58809	10.0000	9.432 (M)
$ 137	d8-1,4-Dioxane	96	2.685	2.682	(0.351)	56037	10.0000	9.865
133	Butylatedhydroxytoluene	205	12.722	12.726	(1.014)	155648	10.0000	10.42
115	Tributyl Phosphate	99	13.737	13.762	(0.920)	290195	10.0000	10.43
116	Dibutyl Phenyl Phosphate	175	15.479	15.493	(1.037)	200891	10.0000	10.47
117	Butyl Diphenyl Phosphate	94	17.178	17.186	(0.892)	69958	10.0000	10.37
118	Triphenyl Phosphate	326	18.786	18.794	(0.975)	41259	10.0000	10.01

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0100810.d
Lab Smp Id: ABN 10
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	169520	10.59
27 Naphthalene-d8	566754	283377	1133508	617059	8.88
42 Acenaphthene-d10	308375	154188	616750	331422	7.47
59 Phenanthrene-d10	447684	223842	895368	478951	6.98
69 Chrysene-d12	331290	165645	662580	349798	5.59
134 Di-n-octylphthala	733535	366768	1467070	779942	6.33
77 Perylene-d12	403979	201990	807958	403781	-0.05

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	-0.03
27 Naphthalene-d8	9.67	9.17	10.17	9.67	-0.03
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	-0.02
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.02
69 Chrysene-d12	19.26	18.76	19.76	19.26	-0.01
134 Di-n-octylphthala	20.41	19.91	20.91	20.40	-0.01
77 Perylene-d12	21.43	20.93	21.93	21.43	-0.01

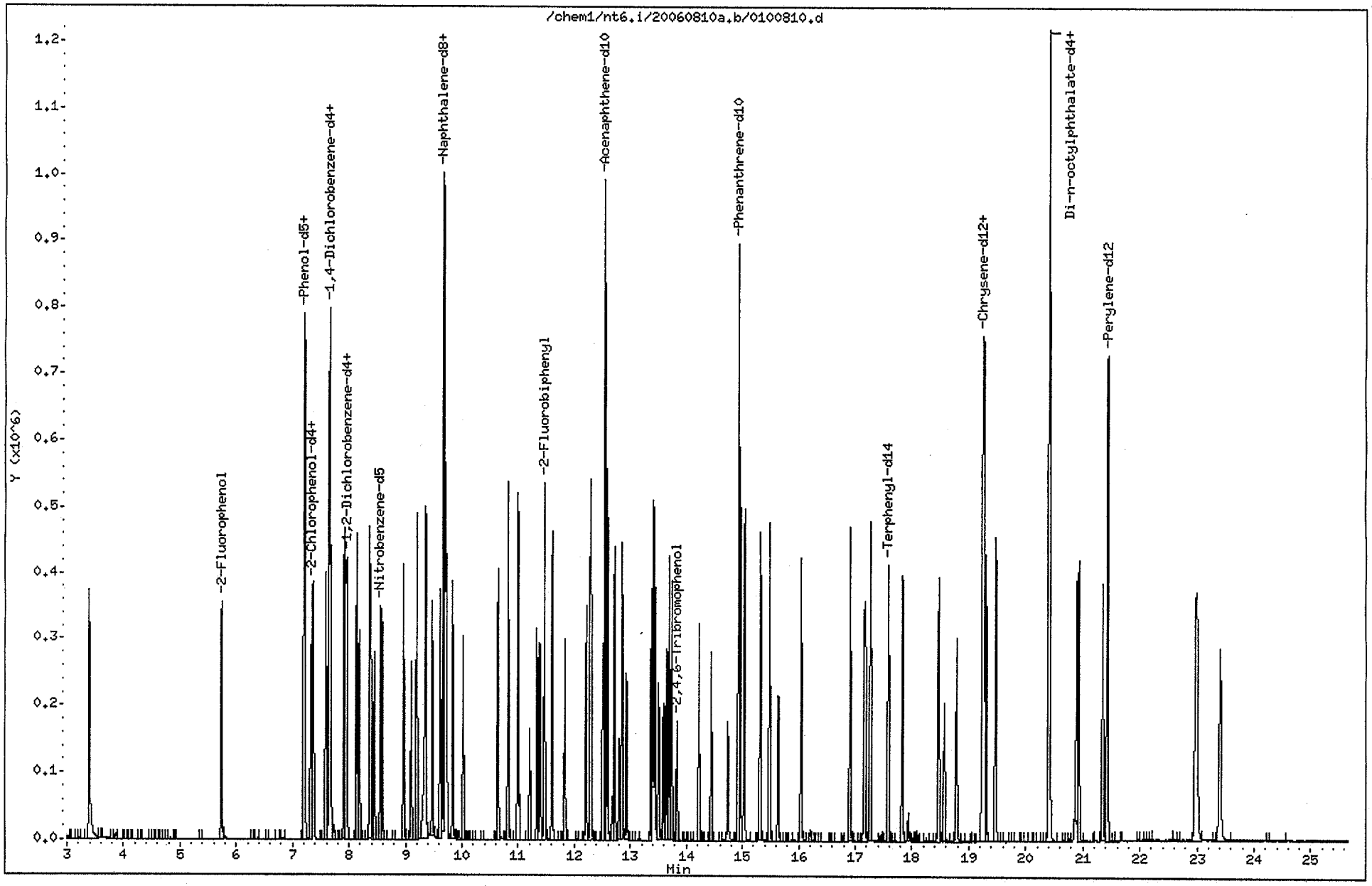
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060810a.b/0100810.d
Date : 10-AUG-2006 18:27
Client ID:
Sample Info: ABN 10

Instrument: nt6.i

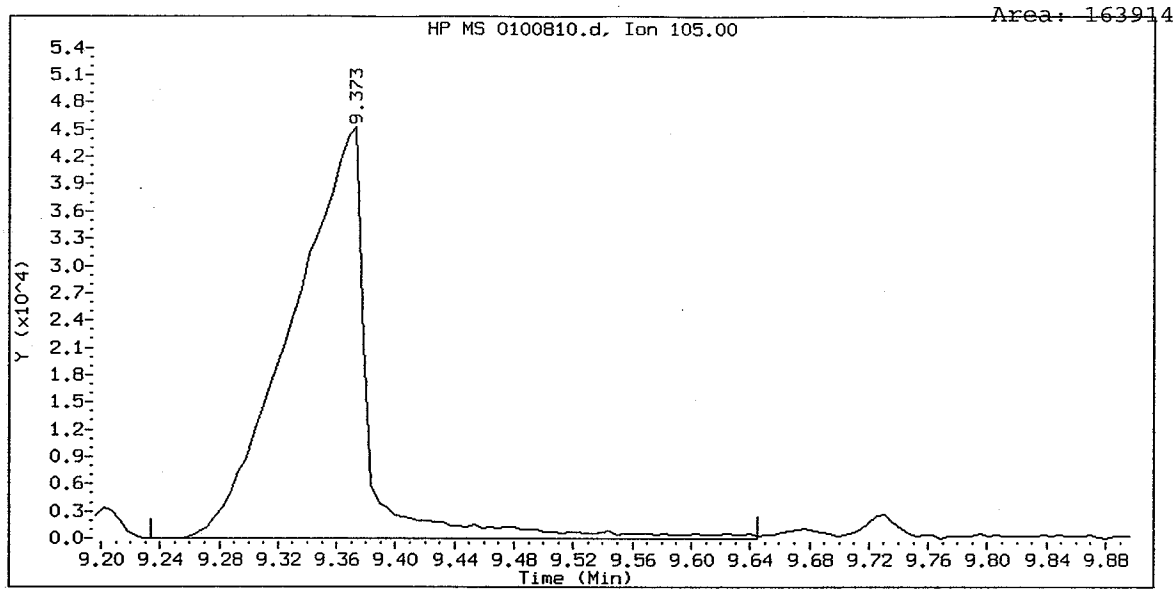
Operator: LJR
Column diameter: 0.32

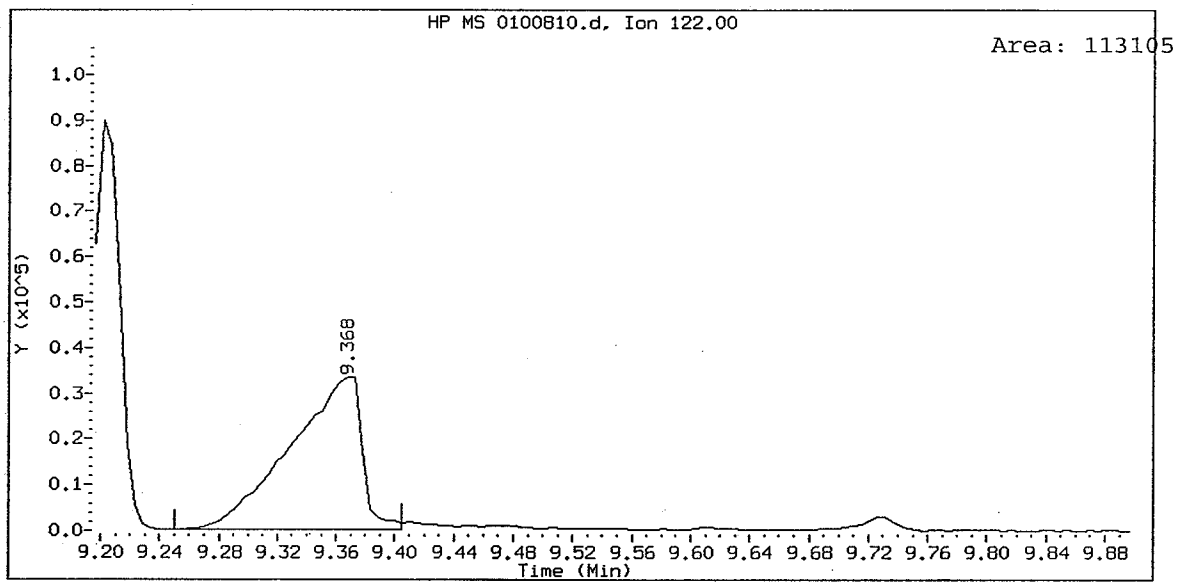
Column phase: ZB-5

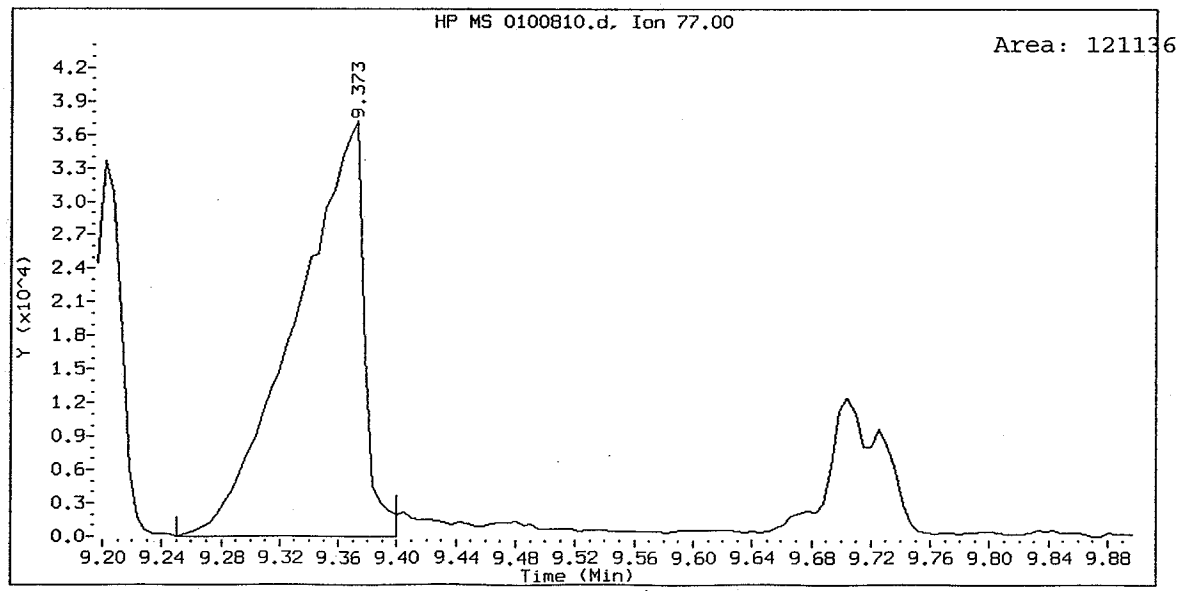


0332

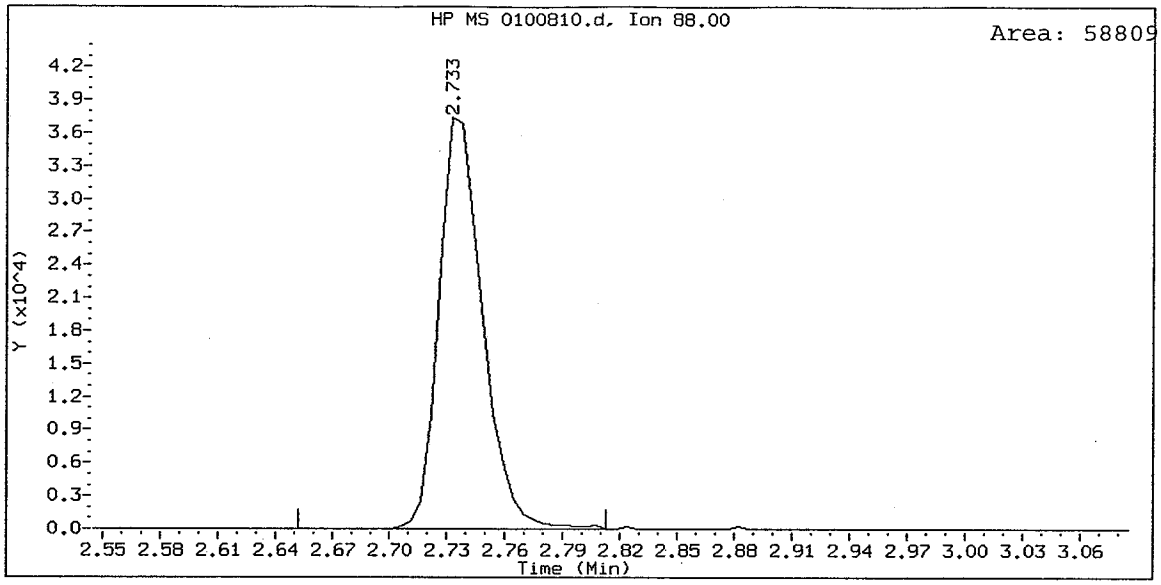
ABN 10, /chem1/nt6.i/20060810a.b/0100810.d
Benzoic acid Amount: 22.86

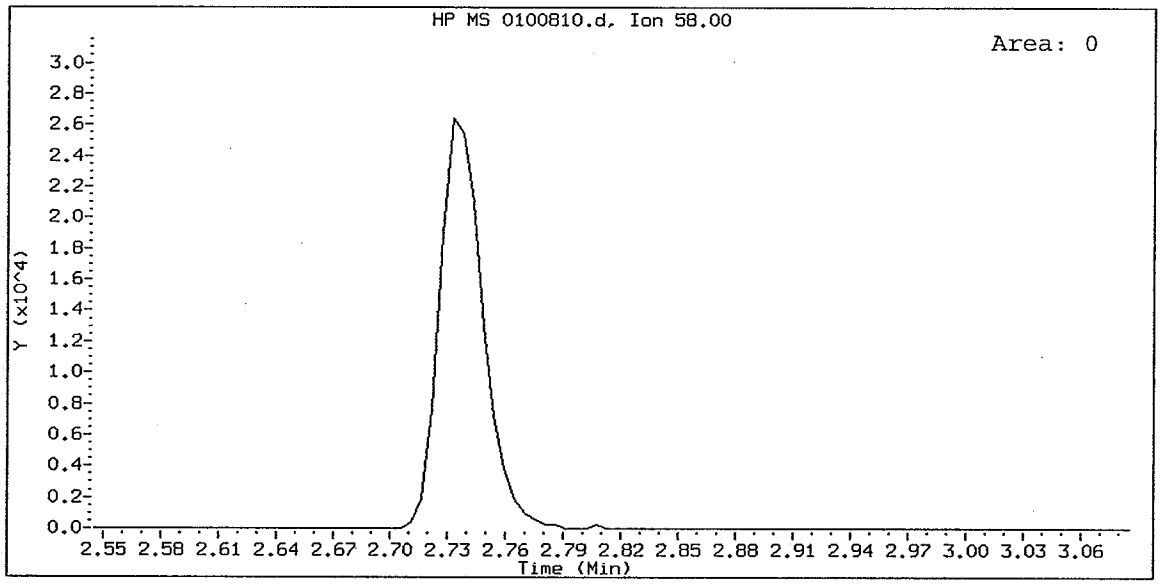


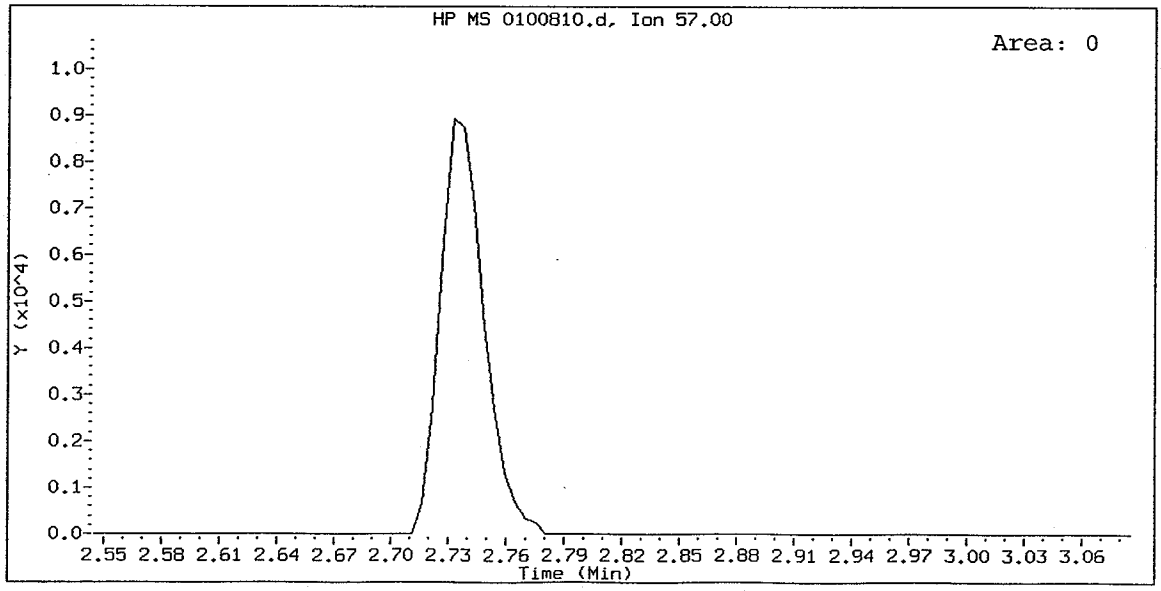




ABN 10, /chem1/nt6.i/20060810a.b/0100810.d
1,4-Dioxane Amount: 9.43







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0250810.d
Lab Smp Id: ABN 25
Inj Date : 10-AUG-2006 15:42
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 08:08 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 15:42 Cal File: 0250810.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 8/11/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.743	5.749	(0.751)	306751	25.0000	25.85
$	2 Phenol-d5	99	7.207	7.223	(0.942)	350472	25.0000	25.45
	3 Phenol	94	7.223	7.245	(0.944)	402538	25.0000	24.92
$	5 2-Chlorophenol-d4	132	7.351	7.357	(0.961)	287500	25.0000	25.72
	4 Bis(2-Chloroethyl)ether	93	7.324	7.335	(0.957)	304692	25.0000	25.34
	6 2-Chlorophenol	128	7.372	7.384	(0.964)	268285	25.0000	25.20
	7 1,3-Dichlorobenzene	146	7.591	7.597	(0.992)	288103	25.0000	25.12
*	8 1,4-Dichlorobenzene-d4	152	7.650	7.656	(1.000)	153289	20.0000	
	9 1,4-Dichlorobenzene	146	7.677	7.683	(1.003)	293001	25.0000	25.41
$	10 1,2-Dichlorobenzene-d4	152	7.944	7.950	(1.038)	175472	25.0000	25.60
	12 1,2-Dichlorobenzene	146	7.965	7.971	(1.041)	269590	25.0000	25.07
	11 Benzyl alcohol	108	7.917	7.934	(1.035)	204568	25.0000	25.42
	14 2,2'-oxybis(1-Chloropropane)	45	8.184	8.190	(1.070)	457391	25.0000	25.51
	13 2-Methylphenol	108	8.141	8.153	(1.064)	272516	25.0000	25.59
	17 Hexachloroethane	117	8.451	8.452	(1.105)	121250	25.0000	25.92
	16 N-Nitroso-di-n-propylamine	70	8.393	8.415	(1.097)	244209	25.0000	25.48
	15 4-Methylphenol	108	8.371	8.388	(1.094)	278536	25.0000	25.53
$	18 Nitrobenzene-d5	82	8.563	8.580	(0.885)	353089	25.0000	25.31
	19 Nitrobenzene	77	8.596	8.607	(0.888)	335395	25.0000	25.22
	20 Isophorone	82	8.975	8.992	(0.928)	590137	25.0000	25.05
	21 2-Nitrophenol	139	9.108	9.114	(0.941)	138572	25.0000	25.76
	22 2,4-Dimethylphenol	107	9.210	9.221	(0.952)	285323	25.0000	25.17
	23 Bis(2-Chloroethoxy)methane	93	9.359	9.376	(0.967)	355682	25.0000	24.86
	24 Benzoic acid	105	9.429	9.547	(0.975)	414361	50.0000	62.45 (M)
	25 2,4-Dichlorophenol	162	9.482	9.494	(0.980)	202724	25.0000	25.89
	26 1,2,4-Trichlorobenzene	180	9.621	9.627	(0.994)	212356	25.0000	24.99
*	27 Naphthalene-d8	136	9.675	9.681	(1.000)	566754	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.707	9.718	(1.003)	717423	25.0000	24.55
	29 4-Chloroaniline	127	9.846	9.857	(1.018)	320508	25.0000	25.32
	30 Hexachlorobutadiene	225	10.027	10.028	(1.036)	102382	25.0000	25.05
	31 4-Chloro-3-methylphenol	107	10.647	10.658	(1.100)	240037	25.0000	25.38
	32 2-Methylnaphthalene	141	10.829	10.835	(1.119)	388998	25.0000	24.85
	33 Hexachlorocyclopentadiene	237	11.213	11.214	(0.894)	86101	25.0000	26.73
	34 2,4,6-Trichlorophenol	196	11.341	11.347	(0.904)	131584	25.0000	25.79
	35 2,4,5-Trichlorophenol	196	11.395	11.401	(0.908)	137528	25.0000	25.07
$	36 2-Fluorobiphenyl	172	11.475	11.481	(0.915)	496207	25.0000	24.99
	37 2-Chloronaphthalene	162	11.608	11.620	(0.925)	433617	25.0000	24.81
	38 2-Nitroaniline	65	11.838	11.850	(0.944)	173440	25.0000	25.13
	39 Dimethylphthalate	163	12.217	12.234	(0.974)	471049	25.0000	25.00
	40 Acenaphthylene	152	12.292	12.298	(0.980)	697859	25.0000	24.80
	41 2,6-Dinitrotoluene	165	12.314	12.325	(0.982)	104594	25.0000	25.50
*	42 Acenaphthene-d10	164	12.543	12.549	(1.000)	308375	20.0000	
	43 3-Nitroaniline	138	12.517	12.533	(0.998)	133242	25.0000	25.42
	44 Acenaphthene	153	12.597	12.608	(1.004)	433137	25.0000	24.65
	45 2,4-Dinitrophenol	184	12.682	12.699	(1.011)	42018	50.0000	51.65
	46 Dibenzofuran	168	12.859	12.870	(1.025)	570544	25.0000	24.38
	47 4-Nitrophenol	109	12.816	12.833	(1.022)	68123	25.0000	25.68
	48 2,4-Dinitrotoluene	165	12.939	12.950	(1.032)	136878	25.0000	25.60
	50 Diethylphthalate	149	13.382	13.393	(1.067)	477392	25.0000	24.87
	49 Fluorene	166	13.419	13.426	(1.070)	480543	25.0000	24.63
	51 4-Chlorophenyl-phenylether	204	13.441	13.447	(1.072)	211159	25.0000	24.40
	52 4-Nitroaniline	138	13.516	13.543	(1.077)	128739	25.0000	25.20 (M)
	53 4,6-Dinitro-2-methylphenol	198	13.596	13.618	(0.911)	96482	50.0000	54.52
	54 N-Nitrosodiphenylamine	169	13.649	13.661	(0.914)	233518	25.0000	25.03
$	55 2,4,6-Tribromophenol	330	13.841	13.853	(1.103)	55972	25.0000	25.73
	56 4-Bromophenyl-phenylether	248	14.231	14.238	(0.953)	112034	25.0000	25.44
	57 Hexachlorobenzene	284	14.451	14.457	(0.968)	120552	25.0000	25.00
	58 Pentachlorophenol	266	14.744	14.756	(0.987)	71244	25.0000	27.73 (M)
*	59 Phenanthrene-d10	188	14.931	14.937	(1.000)	447684	20.0000	
	60 Phenanthrene	178	14.969	14.980	(1.002)	651621	25.0000	24.51
	61 Anthracene	178	15.038	15.050	(1.007)	666790	25.0000	24.91
	62 Carbazole	167	15.321	15.333	(1.026)	622007	25.0000	24.36
	63 Di-n-butylphthalate	149	16.042	16.049	(1.074)	778810	25.0000	25.40
	64 Fluoranthene	202	16.913	16.925	(1.133)	666202	25.0000	25.22
	65 Pyrene	202	17.271	17.283	(0.897)	695032	25.0000	24.65
$	66 Terphenyl-d14	244	17.586	17.592	(0.913)	429798	25.0000	25.11
	67 Butylbenzylphthalate	149	18.473	18.479	(0.959)	354158	25.0000	25.37
	68 Benzo(a)anthracene	228	19.237	19.248	(0.999)	541582	25.0000	24.72
*	69 Chrysene-d12	240	19.264	19.275	(1.000)	331290	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.248	19.254	(0.999)	197005	25.0000	25.60
	71 Chrysene	228	19.306	19.323	(1.002)	548982	25.0000	24.88
	72 bis(2-Ethylhexyl)phthalate	149	19.472	19.473	(0.954)	492467	25.0000	25.72
*	134 Di-n-octylphthalate-d4	153	20.407	20.408	(1.000)	733535	20.0000	
	73 Di-n-octylphthalate	149	20.418	20.424	(1.001)	804902	25.0000	25.04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	74 Benzo(b)fluoranthene	252	20.904	20.921	(0.975)	641872	25.0000	25.55
	75 Benzo(k)fluoranthene	252	20.936	20.953	(0.977)	602328	25.0000	23.30
	76 Benzo(a)pyrene	252	21.353	21.369	(0.996)	573656	25.0000	25.08
*	77 Perylene-d12	264	21.433	21.433	(1.000)	403979	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	22.982	23.009	(1.072)	708246	25.0000	24.71
	79 Dibenzo(a,h)anthracene	278	23.009	23.036	(1.074)	587211	25.0000	24.72
	80 Benzo(g,h,i)perylene	276	23.415	23.453	(1.092)	651536	25.0000	24.61
	90 N-Nitrosodimethylamine	74	3.398	3.420	(0.444)	209182	25.0000	25.44
	103 Pyridine	79	3.382	3.382	(0.442)	353411	25.0000	25.83
	91 Aniline	93	7.212	7.218	(0.943)	460833	25.0000	25.46
	105 1-methylnaphthalene	141	10.999	11.011	(1.137)	397335	25.0000	24.93
	93 Benzidine	184	17.164	17.170	(0.891)	333995	25.0000	24.69
	98 Retene	219	17.837	17.843	(0.926)	281720	25.0000	25.03
	111 Azobenzene (1,2-DP-Hydrazine)	77	13.692	13.709	(1.092)	622849	25.0000	24.98
	144 alpha-Terpineol	59	9.733	9.739	(1.006)	215963	25.0000	25.02
	143 1,4-Dioxane	88	2.730	2.736	(0.357)	138219	25.0000	24.64 (M)
$	137 d8-1,4-Dioxane	96	2.682	2.682	(0.351)	131145	25.0000	25.53
	133 Butylatedhydroxytoluene	205	12.720	12.726	(1.014)	344486	25.0000	24.78
	115 Tributyl Phosphate	99	13.745	13.762	(0.921)	666145	25.0000	25.61
	116 Dibutyl Phenyl Phosphate	175	15.487	15.493	(1.037)	459758	25.0000	25.65
	117 Butyl Diphenyl Phosphate	94	17.180	17.186	(0.892)	162140	25.0000	25.38
	118 Triphenyl Phosphate	326	18.788	18.794	(0.975)	99790	25.0000	25.56

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0250810.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	153289	0.00
27 Naphthalene-d8	566754	283377	1133508	566754	0.00
42 Acenaphthene-d10	308375	154188	616750	308375	0.00
59 Phenanthrene-d10	447684	223842	895368	447684	0.00
69 Chrysene-d12	331290	165645	662580	331290	0.00
134 Di-n-octylphthala	733535	366768	1467070	733535	0.00
77 Perylene-d12	403979	201990	807958	403979	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.00
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.00
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	0.00
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.00
69 Chrysene-d12	19.26	18.76	19.76	19.26	0.00
134 Di-n-octylphthala	20.41	19.91	20.91	20.41	0.00
77 Perylene-d12	21.43	20.93	21.93	21.43	0.00

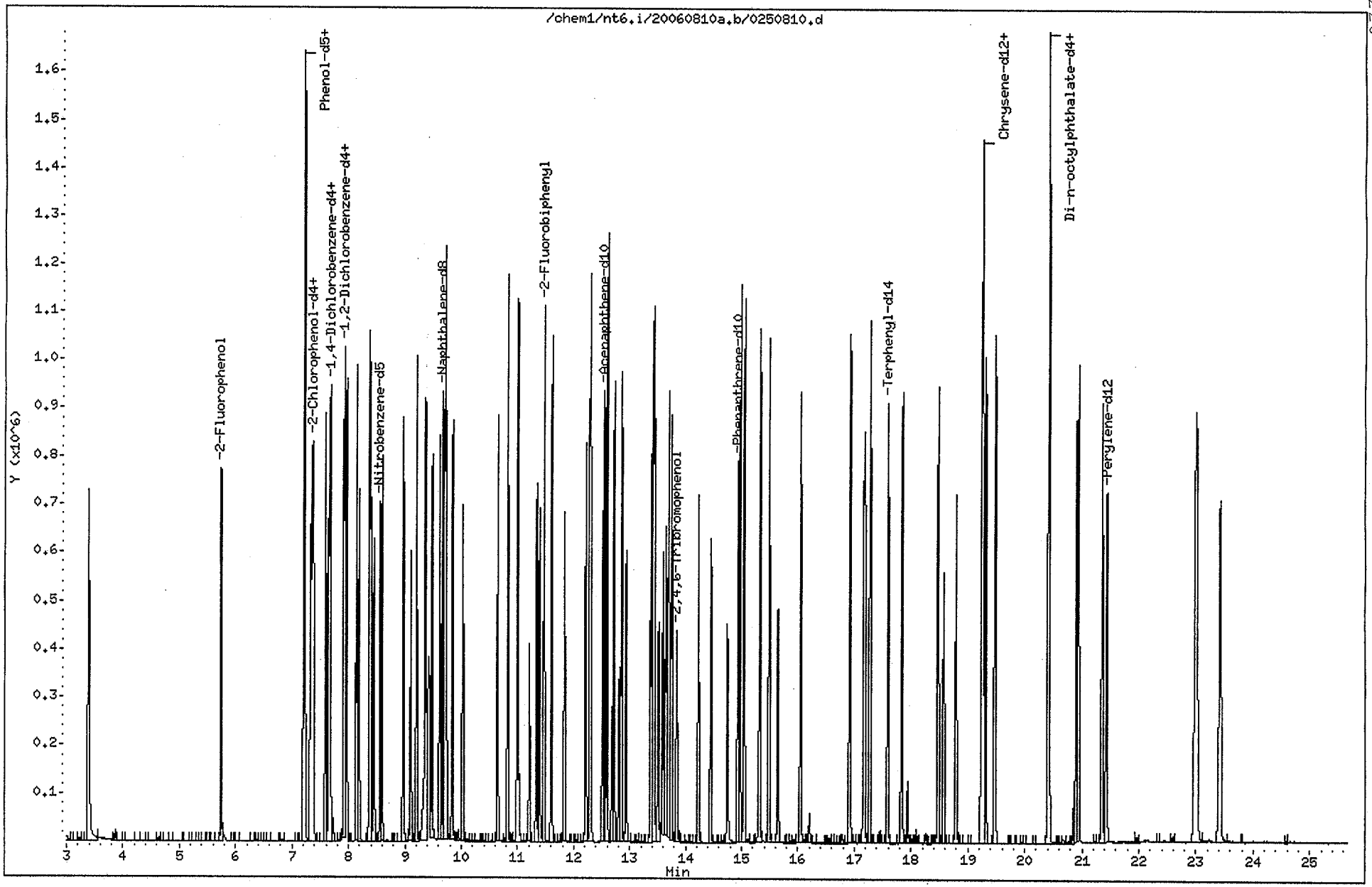
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060810a.b/0250810.d
Date : 10-AUG-2006 15:42
Client ID:
Sample Info: ABN 25

Instrument: nt6.i

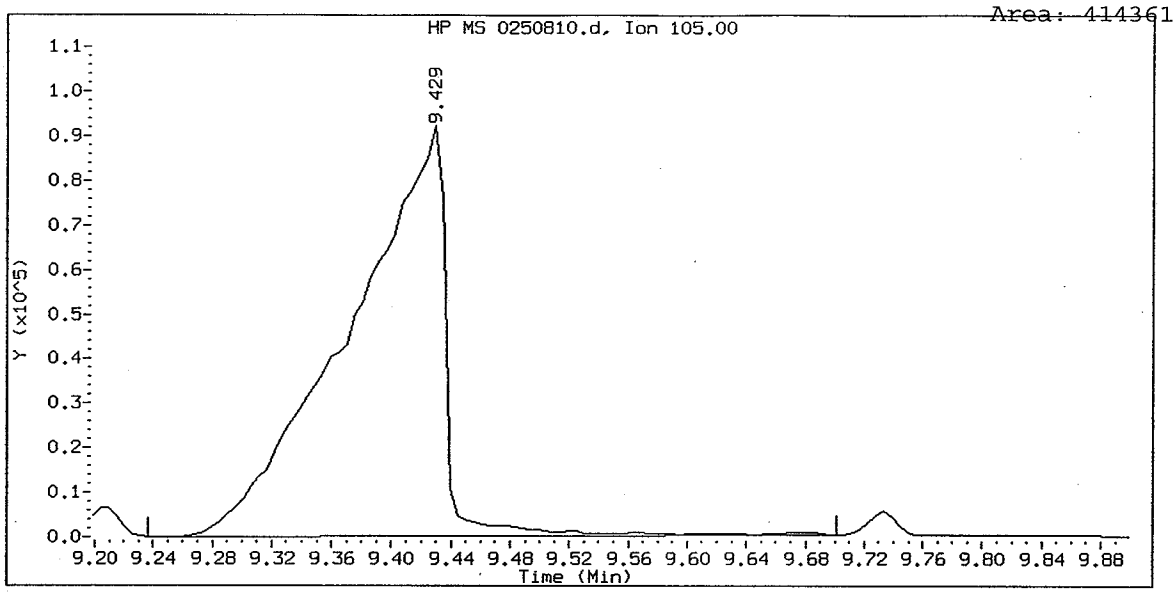
Operator: LJR
Column diameter: 0.32

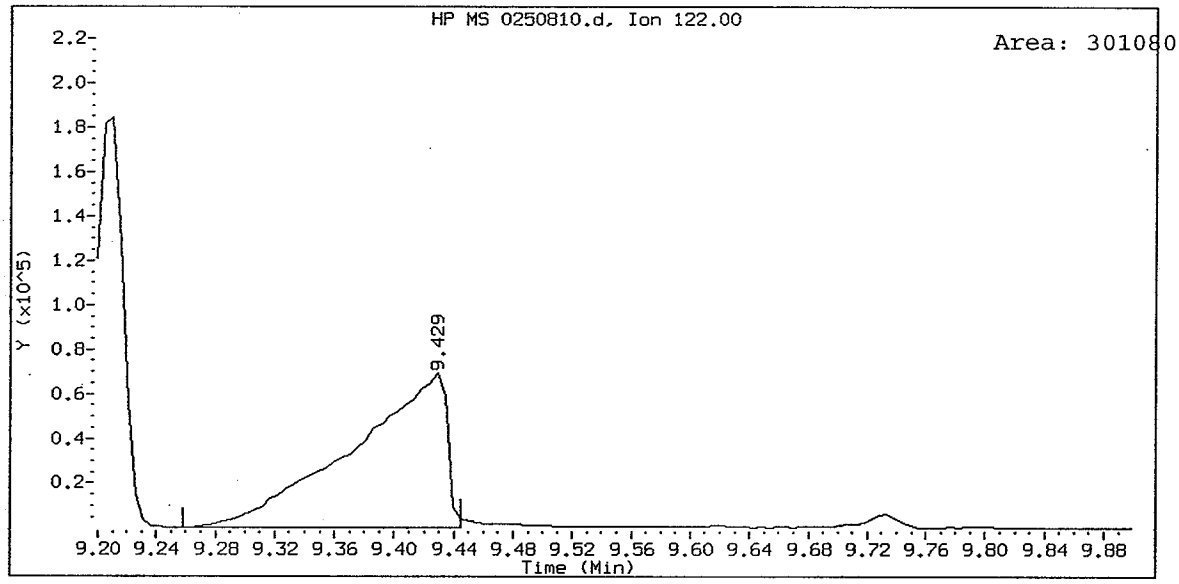
Column phase: ZB-5

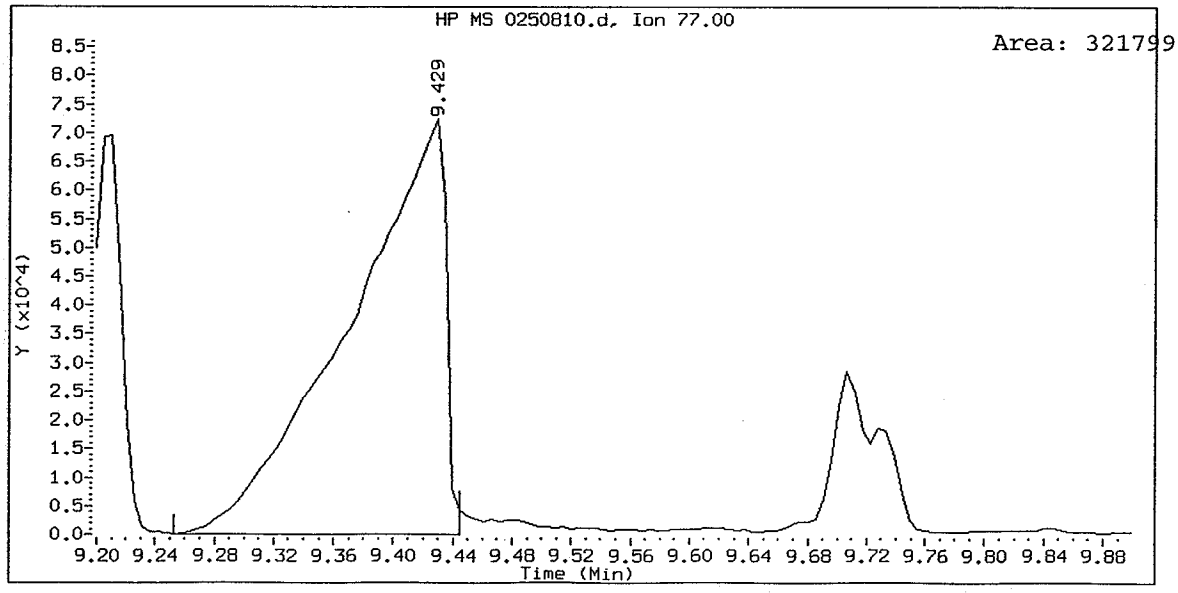


0339

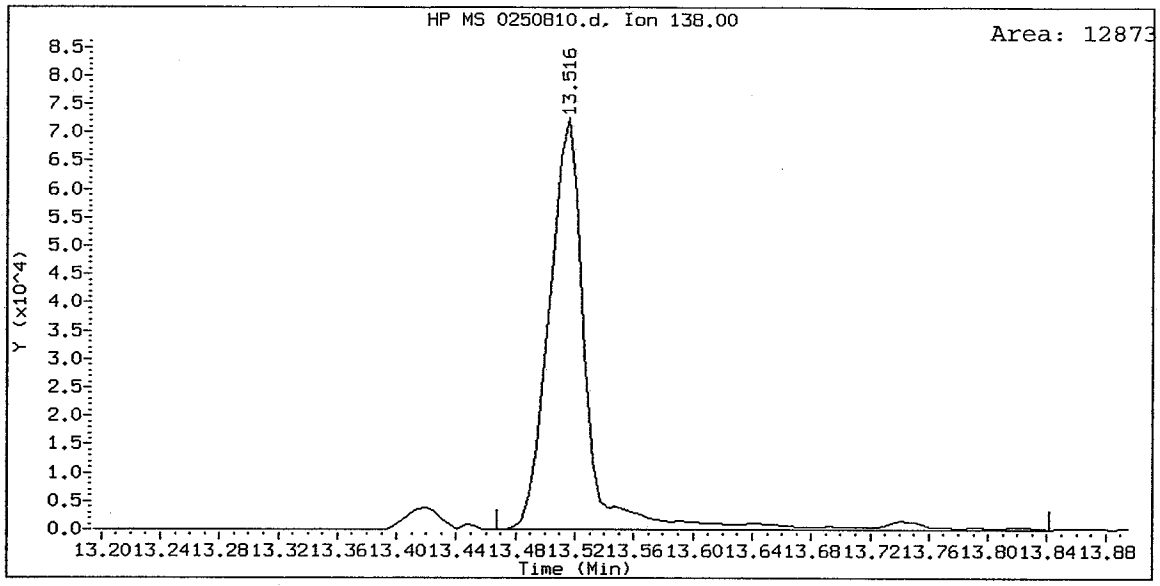
ABN 25, /chem1/nt6.i/20060810a.b/0250810.d
Benzoic acid Amount: 62.45

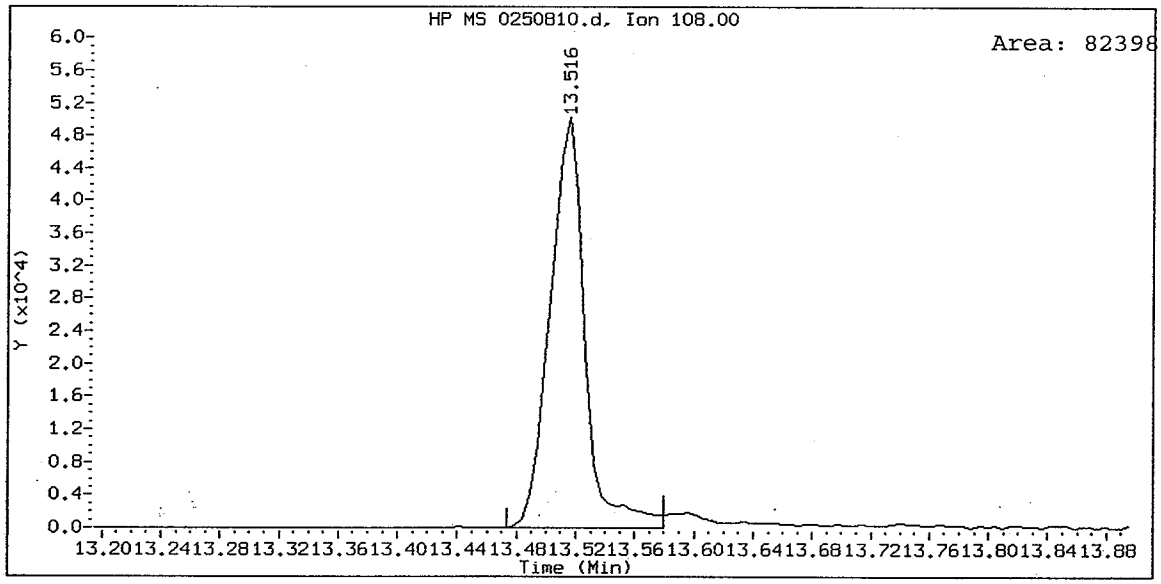


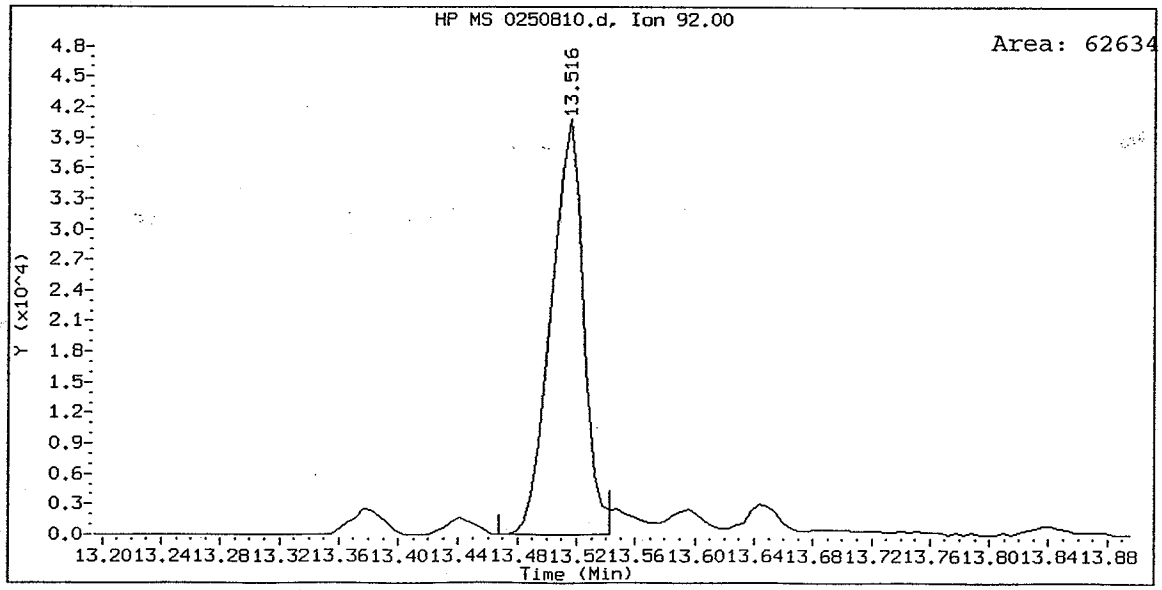




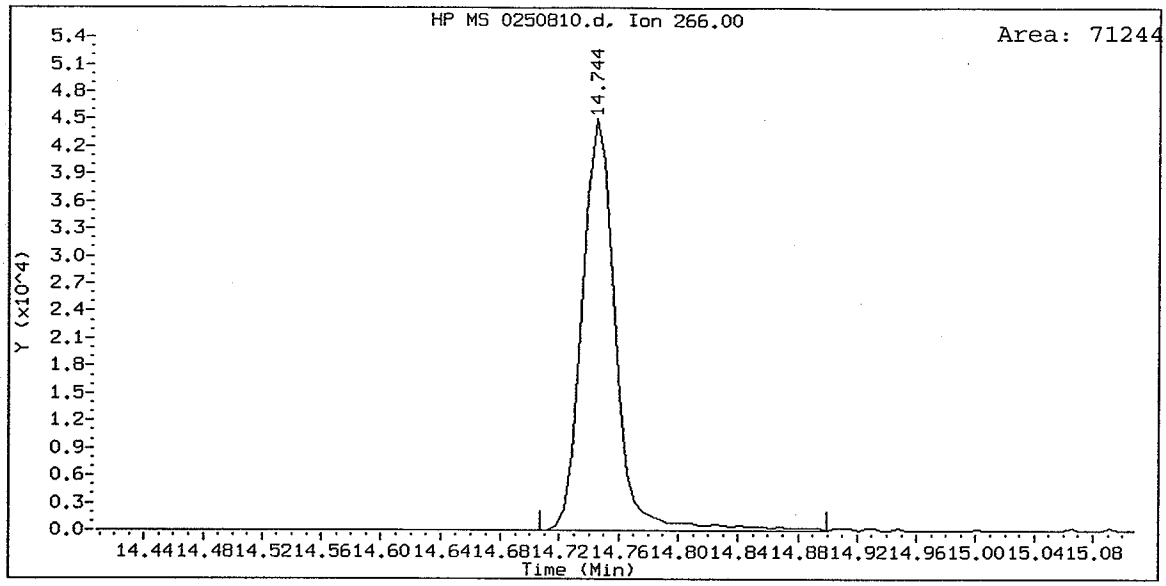
ABN 25, /chem1/nt6.i/20060810a.b/0250810.d
4-Nitroaniline Amount: 25.20

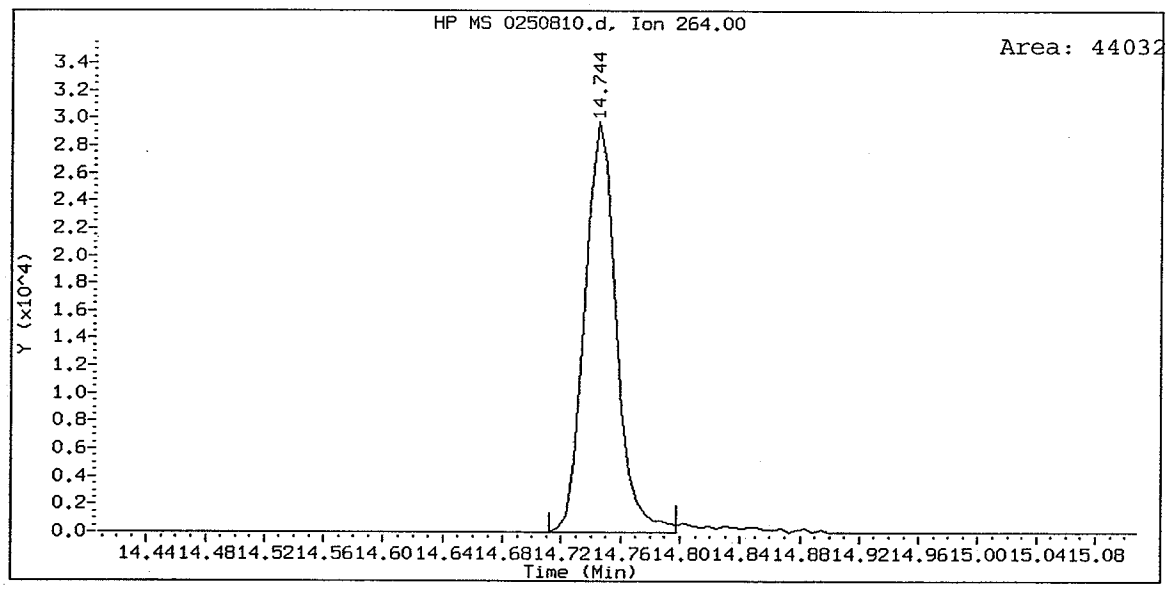


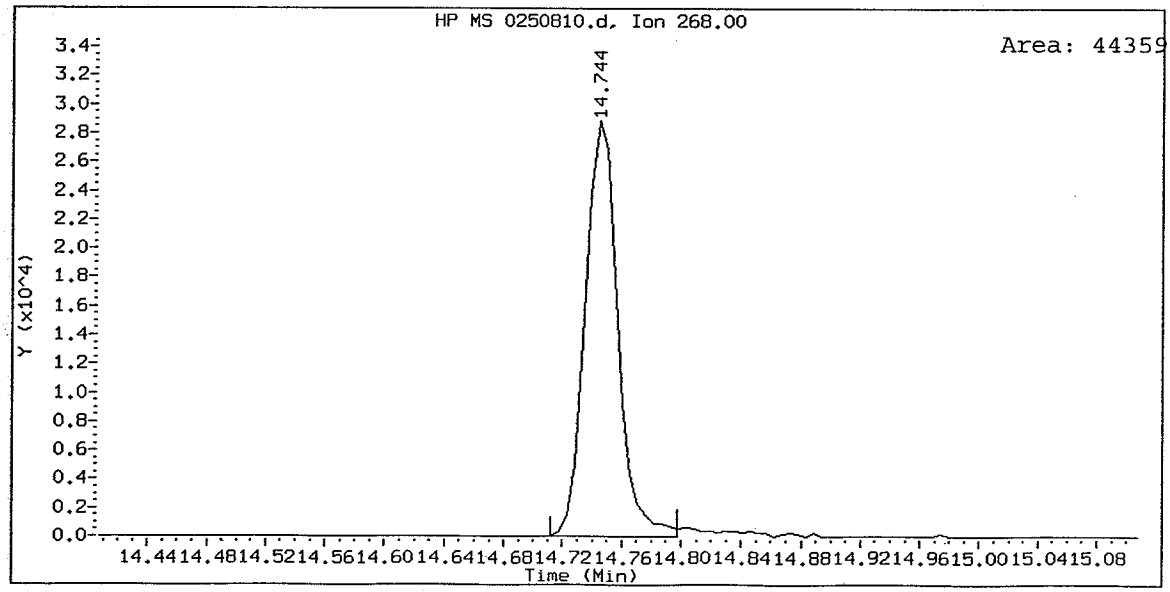




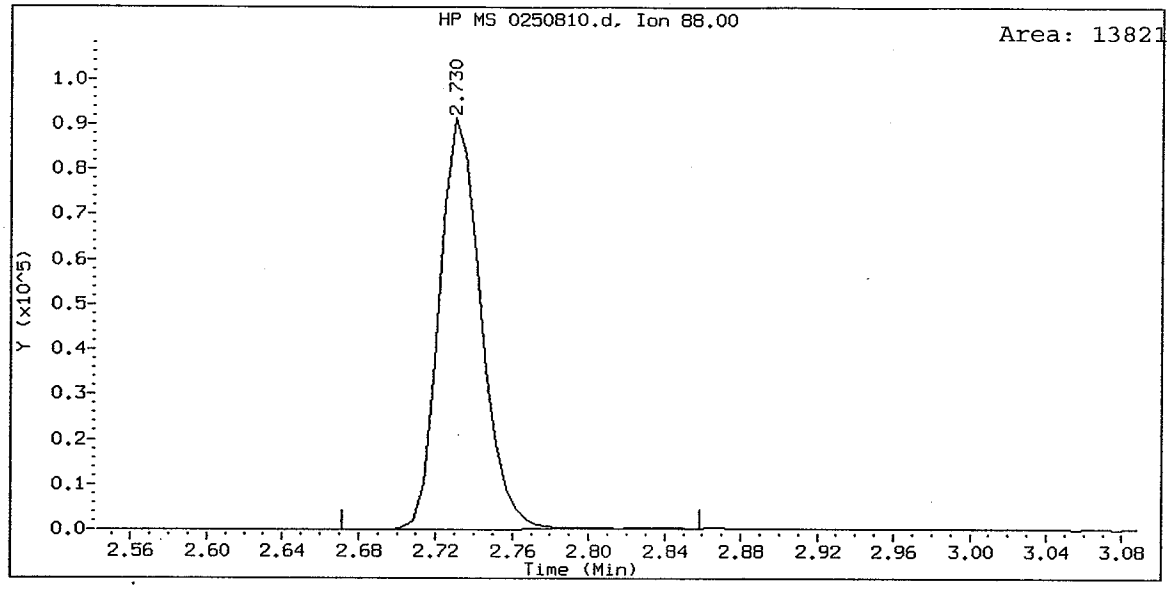
ABN 25, /chem1/nt6.i/20060810a.b/0250810.d
Pentachlorophenol Amount: 27.73

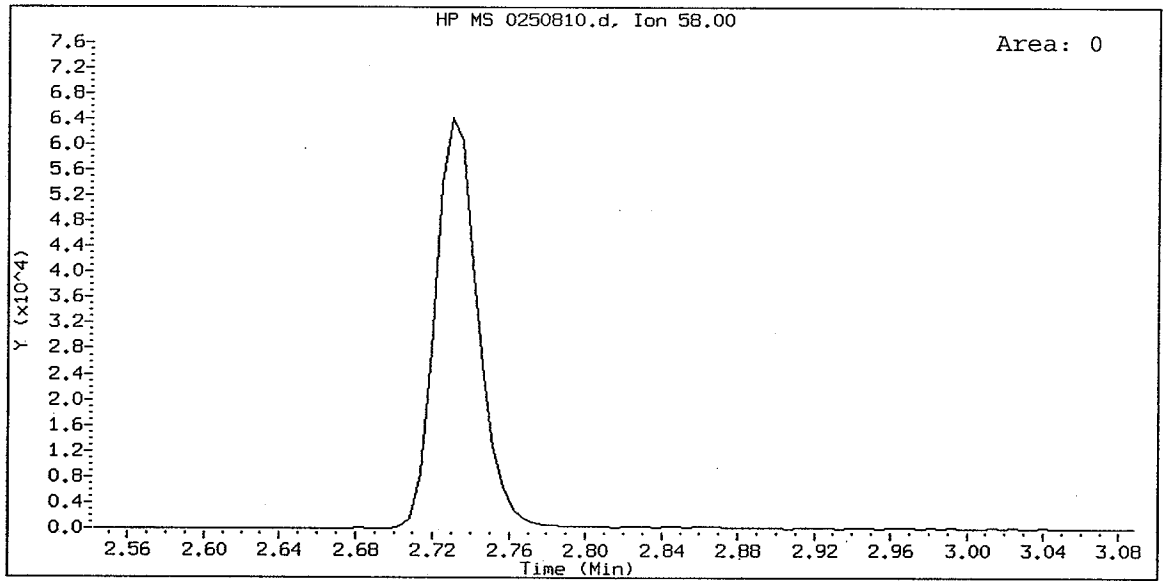


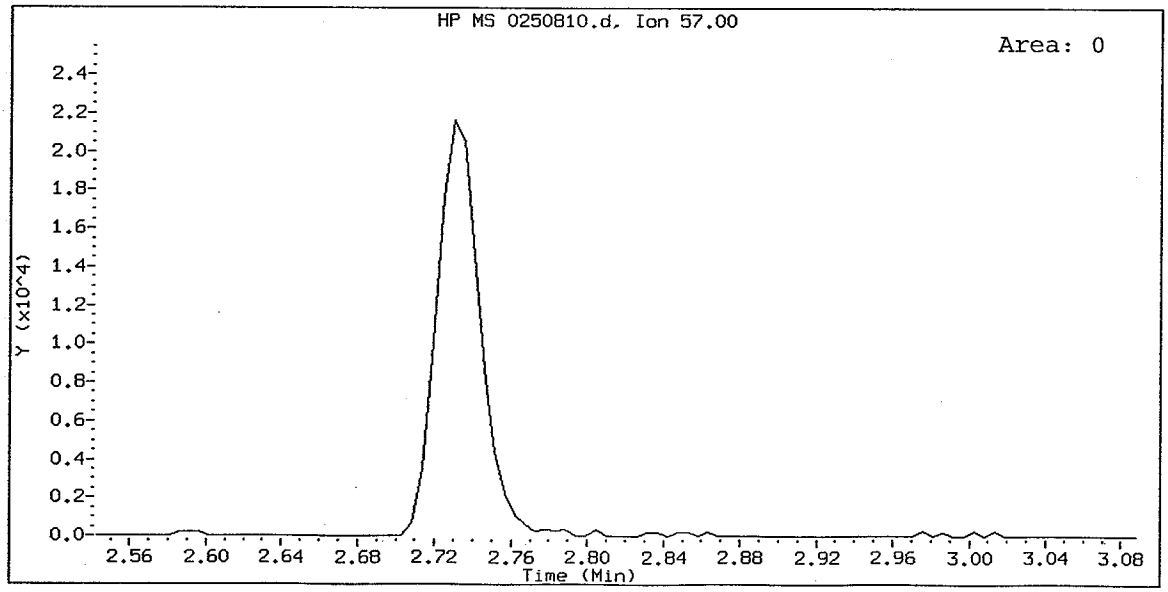




ABN 25, /chem1/nt6.i/20060810a.b/0250810.d
1,4-Dioxane Amount: 24.64







Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20060810a.b/ddt.b/0250810.d ARI ID:
Method: /chem1/nt6.i/20060810a.b/ddt.b/sw846ddt.m Misc:
Analysis Date: 10-AUG-2006 15:42 Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.744	68216
Benzidine	17.164	333995
4,4'-DDE	----	----
4,4'-DDD	18.094	7851
4,4'-DDT	18.569	152872

LVK 8/11/06

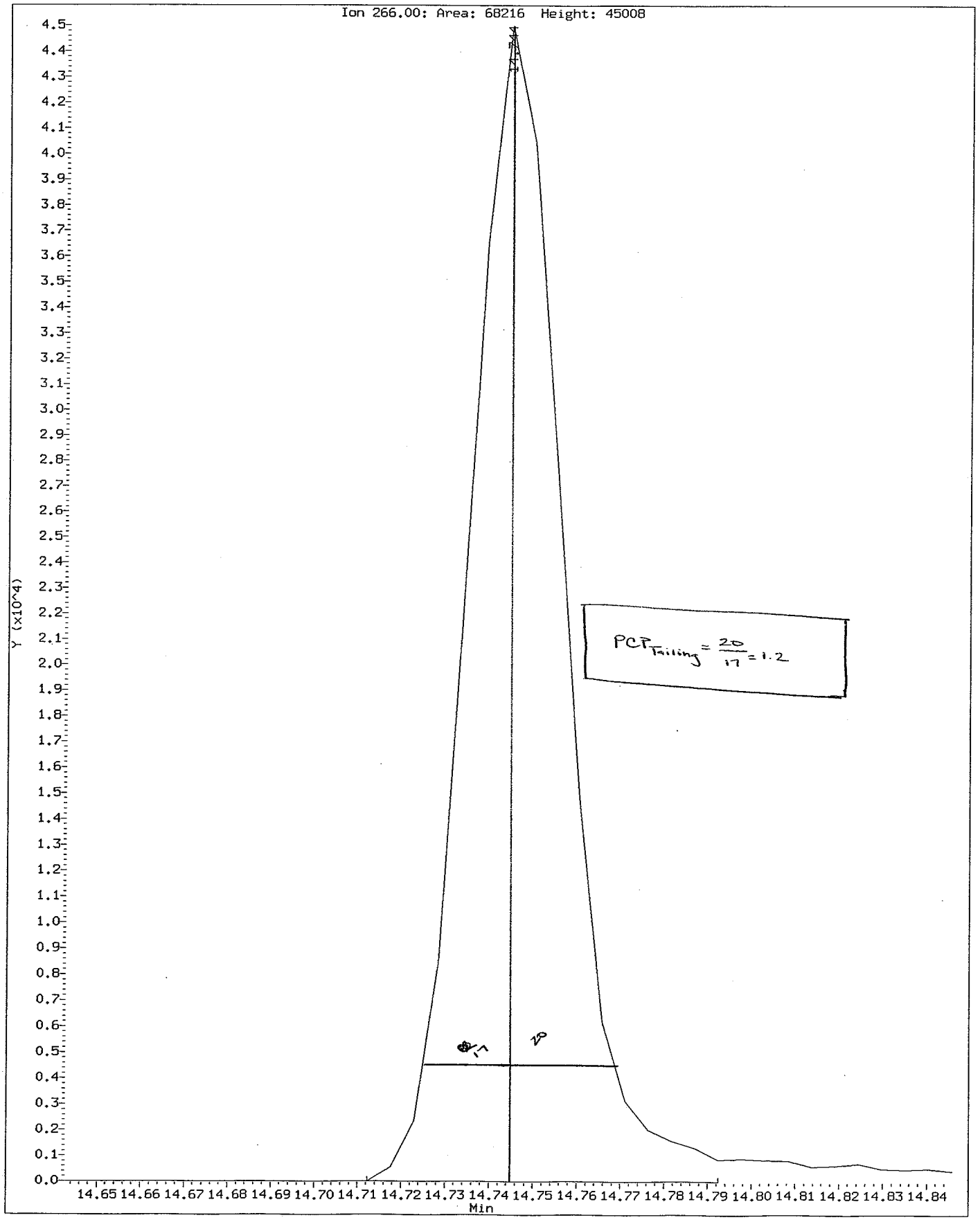
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 7851) * 100}{(0 + 7851 + 152872)}$$

DDT Percent Breakdown = 4.9 %

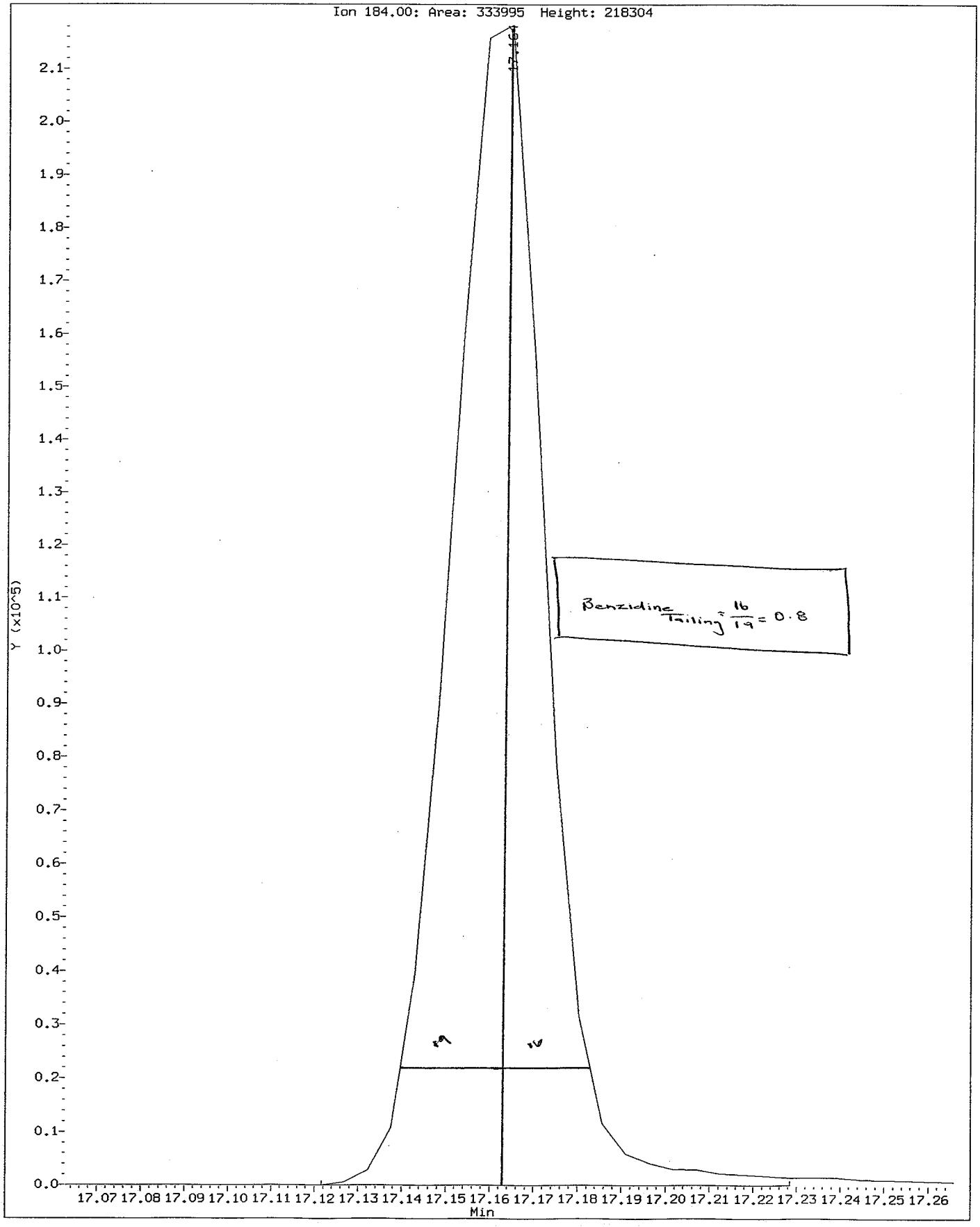
Data File: /chem1/nt6.i/20060810a.b/ddt.b/0250810.d
Injection Date: 10-AUG-2006 15:42
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



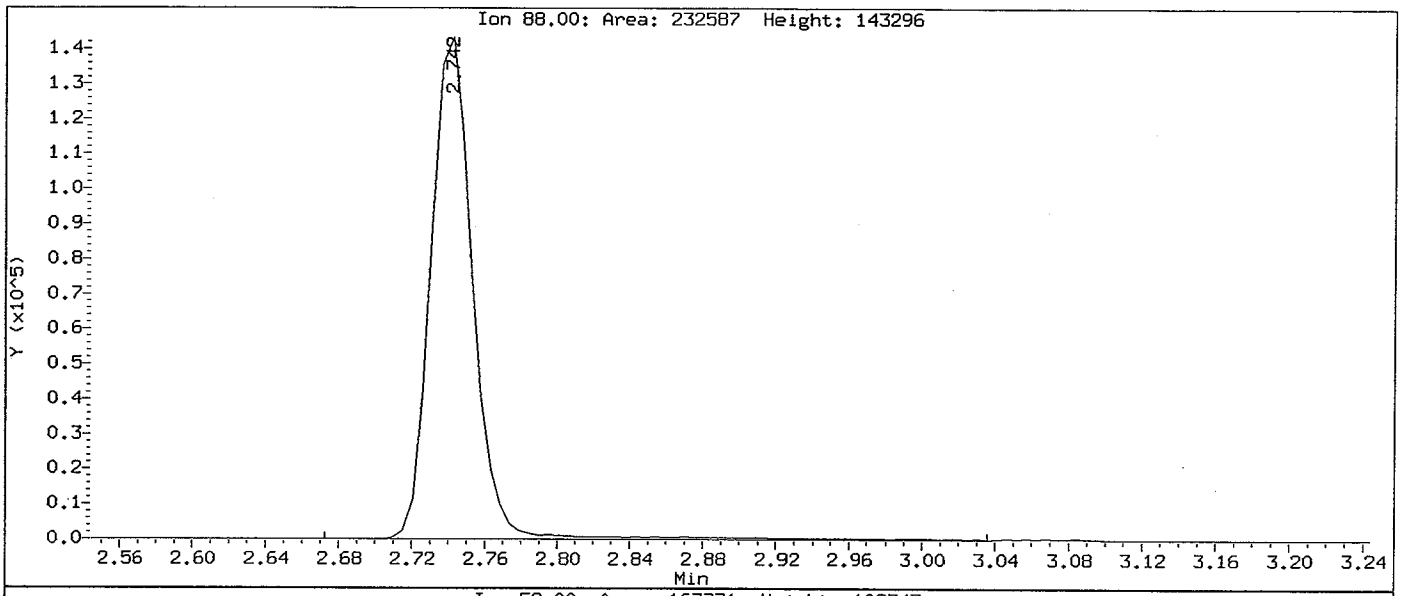
Data File: /chem1/nt6.i/20060810a.b/ddt.b/0250810.d
Injection Date: 10-AUG-2006 15:42
Instrument: nt6.i
Client Sample ID:

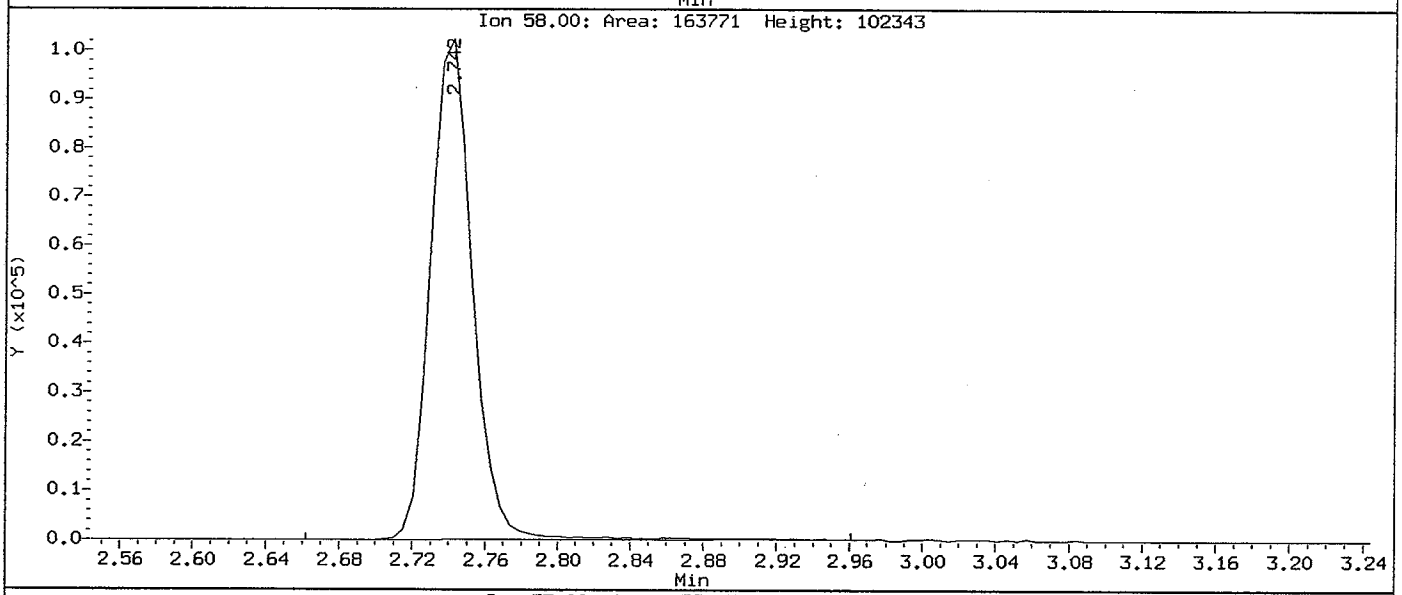
Compound: Benzidine
CAS Number:

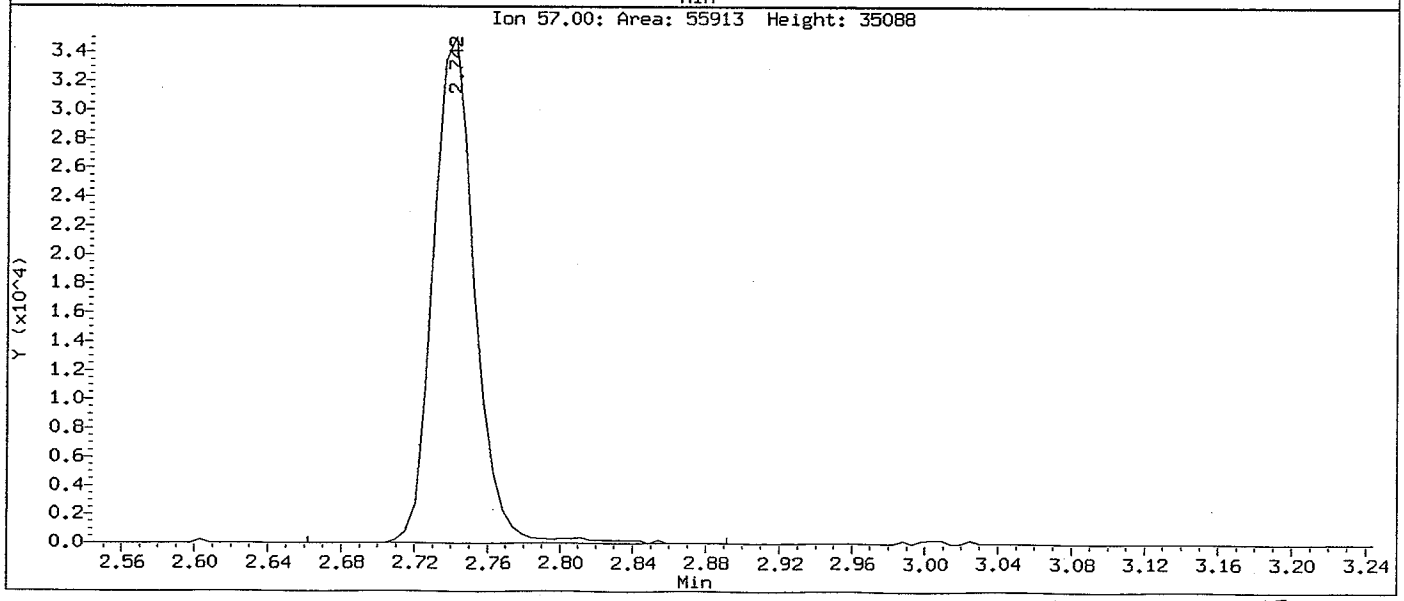


Data File: /chem1/nt6.i/20060810a.b/0400810.d
Injection Date: 10-AUG-2006 17:21
Instrument: nt6.i
Client Sample ID:

Compound: 1,4-Dioxane
CAS Number:







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0400810.d
Lab Smp Id: ABN 40
Inj Date : 10-AUG-2006 17:21
Operator : LJR Inst ID: nt6.i

LJR 8/11/06

Smp Info : ABN 40
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 12:21 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.744	5.749	(0.751)	490578	40.0000	38.20
$	2 Phenol-d5	99	7.213	7.223	(0.943)	550332	40.0000	36.92
	3 Phenol	94	7.229	7.245	(0.945)	628736	40.0000	35.96
$	5 2-Chlorophenol-d4	132	7.352	7.357	(0.961)	453396	40.0000	37.47
	4 Bis(2-Chloroethyl)ether	93	7.331	7.335	(0.958)	481189	40.0000	36.96
	6 2-Chlorophenol	128	7.379	7.384	(0.964)	422629	40.0000	36.67
	7 1,3-Dichlorobenzene	146	7.592	7.597	(0.992)	455152	40.0000	36.66
*	8 1,4-Dichlorobenzene-d4	152	7.651	7.656	(1.000)	165922	20.0000	
	9 1,4-Dichlorobenzene	146	7.678	7.683	(1.003)	456025	40.0000	36.54
$	10 1,2-Dichlorobenzene-d4	152	7.945	7.950	(1.038)	274319	40.0000	36.98
	12 1,2-Dichlorobenzene	146	7.966	7.971	(1.041)	418875	40.0000	35.99
	11 Benzyl alcohol	108	7.924	7.934	(1.036)	321765	40.0000	36.94
	14 2,2'-oxybis(1-Chloropropane)	45	8.185	8.190	(1.070)	720903	40.0000	37.15
	13 2-Methylphenol	108	8.143	8.153	(1.064)	427920	40.0000	37.12
	17 Hexachloroethane	117	8.447	8.452	(1.104)	193786	40.0000	38.27
	16 N-Nitroso-di-n-propylamine	70	8.405	8.415	(1.098)	389018	40.0000	37.50
	15 4-Methylphenol	108	8.378	8.388	(1.095)	438953	40.0000	37.18
$	18 Nitrobenzene-d5	82	8.570	8.580	(0.886)	576113	40.0000	37.96
	19 Nitrobenzene	77	8.597	8.607	(0.888)	541490	40.0000	37.42
	20 Isophorone	82	8.976	8.992	(0.928)	951131	40.0000	37.10
	21 2-Nitrophenol	139	9.110	9.114	(0.941)	225571	40.0000	38.53
	22 2,4-Dimethylphenol	107	9.211	9.221	(0.952)	453976	40.0000	36.81
	23 Bis(2-Chloroethoxy)methane	93	9.366	9.376	(0.968)	567138	40.0000	36.42
	24 Benzoic acid	105	9.468	9.547	(0.978)	686073	80.0000	79.46
	25 2,4-Dichlorophenol	162	9.484	9.494	(0.980)	320344	40.0000	37.60
	26 1,2,4-Trichlorobenzene	180	9.623	9.627	(0.994)	334545	40.0000	36.18
*	27 Naphthalene-d8	136	9.676	9.681	(1.000)	616735	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.708	9.718	(1.003)	1117933	40.0000	39.12
	29 4-Chloroaniline	127	9.847	9.857	(1.018)	508801	40.0000	36.93
	30 Hexachlorobutadiene	225	10.028	10.028	(1.036)	160325	40.0000	36.05
	31 4-Chloro-3-methylphenol	107	10.648	10.658	(1.100)	384596	40.0000	37.37
	32 2-Methylnaphthalene	141	10.830	10.835	(1.119)	600486	40.0000	35.26
	33 Hexachlorocyclopentadiene	237	11.214	11.214	(0.894)	145635	40.0000	41.82
	34 2,4,6-Trichlorophenol	196	11.343	11.347	(0.904)	210351	40.0000	38.14
	35 2,4,5-Trichlorophenol	196	11.396	11.401	(0.908)	220667	40.0000	37.21
$	36 2-Fluorobiphenyl	172	11.476	11.481	(0.915)	780724	40.0000	36.37
	37 2-Chloronaphthalene	162	11.610	11.620	(0.925)	676954	40.0000	35.83
	38 2-Nitroaniline	65	11.839	11.850	(0.944)	283397	40.0000	37.99
	39 Dimethylphthalate	163	12.224	12.234	(0.974)	747308	40.0000	36.68
	40 Acenaphthylene	152	12.294	12.298	(0.980)	1078457	40.0000	35.45
	41 2,6-Dinitrotoluene	165	12.315	12.325	(0.982)	170776	40.0000	38.51
*	42 Acenaphthene-d10	164	12.545	12.549	(1.000)	333378	20.0000	
	43 3-Nitroaniline	138	12.523	12.533	(0.998)	212294	40.0000	37.46
	44 Acenaphthene	153	12.598	12.608	(1.004)	672999	40.0000	35.43
	45 2,4-Dinitrophenol	184	12.689	12.699	(1.011)	93374	80.0000	106.2
	46 Dibenzofuran	168	12.860	12.870	(1.025)	881647	40.0000	34.85
	47 4-Nitrophenol	109	12.822	12.833	(1.022)	112715	40.0000	39.20
	48 2,4-Dinitrotoluene	165	12.940	12.950	(1.032)	229324	40.0000	39.67
	50 Diethylphthalate	149	13.383	13.393	(1.067)	754042	40.0000	36.33
	49 Fluorene	166	13.421	13.426	(1.070)	739463	40.0000	35.06
	51 4-Chlorophenyl-phenylether	204	13.442	13.447	(1.072)	327328	40.0000	34.98
	52 4-Nitroaniline	138	13.522	13.543	(1.078)	195099	40.0000	35.33
	53 4,6-Dinitro-2-methylphenol	198	13.602	13.618	(0.911)	181188	80.0000	93.92
	54 N-Nitrosodiphenylamine	169	13.650	13.661	(0.914)	372422	40.0000	36.62
$	55 2,4,6-Tribromophenol	330	13.843	13.853	(1.103)	92888	40.0000	39.50
	56 4-Bromophenyl-phenylether	248	14.233	14.238	(0.953)	174018	40.0000	36.25
	57 Hexachlorobenzene	284	14.452	14.457	(0.968)	188014	40.0000	35.76
	58 Pentachlorophenol	266	14.746	14.756	(0.987)	112909	40.0000	40.31
*	59 Phenanthrene-d10	188	14.933	14.937	(1.000)	488043	20.0000	
	60 Phenanthrene	178	14.970	14.980	(1.002)	1008718	40.0000	38.89
	61 Anthracene	178	15.045	15.050	(1.008)	1025268	40.0000	35.14
	62 Carbazole	167	15.323	15.333	(1.026)	948877	40.0000	38.24
	63 Di-n-butylphthalate	149	16.044	16.049	(1.074)	1203407	40.0000	36.01
	64 Fluoranthene	202	16.915	16.925	(1.133)	1011239	40.0000	35.11
	65 Pyrene	202	17.272	17.283	(0.897)	1046573	40.0000	36.52
$	66 Terphenyl-d14	244	17.588	17.592	(0.913)	651917	40.0000	37.47
	67 Butylbenzylphthalate	149	18.474	18.479	(0.959)	537766	40.0000	37.90
	68 Benzo(a)anthracene	228	19.244	19.248	(0.999)	783338	40.0000	35.18
*	69 Chrysene-d12	240	19.265	19.275	(1.000)	336761	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.249	19.254	(0.999)	273650	40.0000	34.98
	71 Chrysene	228	19.308	19.323	(1.002)	793676	40.0000	35.38
	72 bis(2-Ethylhexyl)phthalate	149	19.468	19.473	(0.954)	725061	40.0000	38.62
*	134 Di-n-octylphthalate-d4	153	20.408	20.408	(1.000)	719210	20.0000	
	73 Di-n-octylphthalate	149	20.419	20.424	(1.001)	1169606	40.0000	37.11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	74 Benzo(b)fluoranthene	252	20.905	20.921	(0.976)	895281	40.0000	35.95
	75 Benzo(k)fluoranthene	252	20.937	20.953	(0.977)	879378	40.0000	41.05
	76 Benzo(a)pyrene	252	21.354	21.369	(0.996)	823463	40.0000	36.32
*	77 Perylene-d12	264	21.429	21.433	(1.000)	400416	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	22.989	23.009	(1.073)	1024470	40.0000	36.06
	79 Dibenzo(a,h)anthracene	278	23.015	23.036	(1.074)	841993	40.0000	35.76
	80 Benzo(g,h,i)perylene	276	23.421	23.453	(1.093)	965692	40.0000	36.79
	90 N-Nitrosodimethylamine	74	3.415	3.420	(0.446)	344803	40.0000	38.74
	103 Pyridine	79	3.388	3.382	(0.443)	576791	40.0000	38.14
	91 Aniline	93	7.213	7.218	(0.943)	708070	40.0000	36.13
	105 1-methylnaphthalene	141	11.001	11.011	(1.137)	623045	40.0000	35.92
	93 Benzidine	184	17.166	17.170	(0.891)	459814	40.0000	33.43
	98 Retene	219	17.839	17.843	(0.926)	421865	40.0000	36.87
	111 Azobenzene (1,2-DP-Hydrazine)	77	13.699	13.709	(1.092)	986266	40.0000	36.59
	144 alpha-Terpineol	59	9.735	9.739	(1.006)	342562	40.0000	36.48
	143 1,4-Dioxane	88	2.742	2.736	(0.358)	232587	40.0000	39.05(M)
$	137 d8-1,4-Dioxane	96	2.688	2.682	(0.351)	215053	40.0000	38.68
	133 Butylatedhydroxytoluene	205	12.721	12.726	(1.014)	530463	40.0000	35.29
	115 Tributyl Phosphate	99	13.752	13.762	(0.921)	1050941	40.0000	37.06
	116 Dibutyl Phenyl Phosphate	175	15.488	15.493	(1.037)	709086	40.0000	36.28
	117 Butyl Diphenyl Phosphate	94	17.182	17.186	(0.892)	247220	40.0000	38.07
	118 Triphenyl Phosphate	326	18.790	18.794	(0.975)	148970	40.0000	37.54

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0400810.d
Lab Smp Id: ABN 40
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	165922	8.24
27 Naphthalene-d8	566754	283377	1133508	616735	8.82
42 Acenaphthene-d10	308375	154188	616750	333378	8.11
59 Phenanthrene-d10	447684	223842	895368	488043	9.02
69 Chrysene-d12	331290	165645	662580	336761	1.65
134 Di-n-octylphthala	733535	366768	1467070	719210	-1.95
77 Perylene-d12	403979	201990	807958	400416	-0.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.02
27 Naphthalene-d8	9.67	9.17	10.17	9.68	0.01
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	0.01
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.01
69 Chrysene-d12	19.26	18.76	19.76	19.27	0.01
134 Di-n-octylphthala	20.41	19.91	20.91	20.41	0.01
77 Perylene-d12	21.43	20.93	21.93	21.43	-0.02

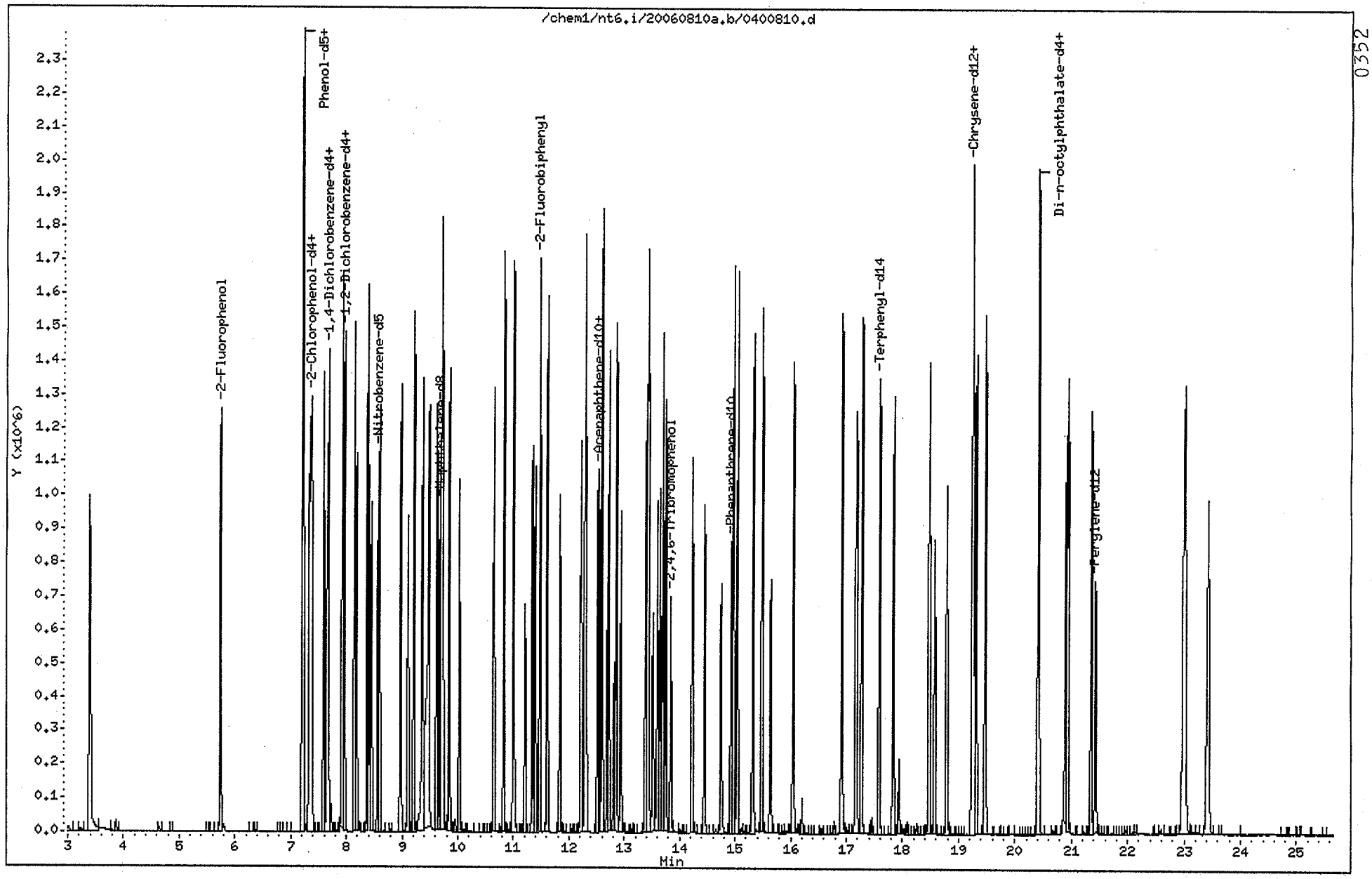
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060810a.b/0400810.d
Date : 10-AUG-2006 17:21
Client ID:
Sample Info: ABN 40

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

Column phase: ZB-5



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0800810.d
Lab Smp Id: ABN 80
Inj Date : 10-AUG-2006 16:15
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 80
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 08:08 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 16:15 Cal File: 0800810.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.749	5.749	(0.751)	850754	80.0000	72.47
$	2 Phenol-d5	99	7.223	7.223	(0.943)	928414	80.0000	68.14
	3 Phenol	94	7.245	7.245	(0.946)	1080422	80.0000	67.60
$	5 2-Chlorophenol-d4	132	7.357	7.357	(0.961)	756556	80.0000	68.41
	4 Bis(2-Chloroethyl)ether	93	7.335	7.335	(0.958)	820793	80.0000	68.98
	6 2-Chlorophenol	128	7.384	7.384	(0.964)	722307	80.0000	68.57
	7 1,3-Dichlorobenzene	146	7.597	7.597	(0.992)	774792	80.0000	68.28
*	8 1,4-Dichlorobenzene-d4	152	7.656	7.656	(1.000)	151661	20.0000	
	9 1,4-Dichlorobenzene	146	7.683	7.683	(1.003)	772018	80.0000	67.68
$	10 1,2-Dichlorobenzene-d4	152	7.950	7.950	(1.038)	438527	80.0000	64.68
	12 1,2-Dichlorobenzene	146	7.971	7.971	(1.041)	693613	80.0000	65.20
	11 Benzyl alcohol	108	7.934	7.934	(1.036)	557136	80.0000	69.97
	14 2,2'-oxybis(1-Chloropropane)	45	8.190	8.190	(1.070)	1248501	80.0000	70.39
	13 2-Methylphenol	108	8.153	8.153	(1.065)	750742	80.0000	71.24
	17 Hexachloroethane	117	8.452	8.452	(1.104)	332686	80.0000	71.87
	16 N-Nitroso-di-n-propylamine	70	8.415	8.415	(1.099)	697476	80.0000	73.56
	15 4-Methylphenol	108	8.388	8.388	(1.096)	754235	80.0000	69.88
$	18 Nitrobenzene-d5	82	8.580	8.580	(0.886)	1023878	80.0000	72.86
	19 Nitrobenzene	77	8.607	8.607	(0.889)	945912	80.0000	70.60
	20 Isophorone	82	8.992	8.992	(0.929)	1687570	80.0000	71.11
	21 2-Nitrophenol	139	9.114	9.114	(0.942)	408036	80.0000	75.29
	22 2,4-Dimethylphenol	107	9.221	9.221	(0.953)	797840	80.0000	69.87
	23 Bis(2-Chloroethoxy)methane	93	9.376	9.376	(0.969)	993231	80.0000	68.90
	24 Benzoic acid	105	9.547	9.547	(0.986)	1375193	160.000	172.0 (M)
	25 2,4-Dichlorophenol	162	9.494	9.494	(0.981)	547983	80.0000	69.47
	26 1,2,4-Trichlorobenzene	180	9.627	9.627	(0.994)	574625	80.0000	67.12
*	27 Naphthalene-d8	136	9.681	9.681	(1.000)	570983	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.718	9.718	(1.004)	1851701	80.0000	62.90
	29 4-Chloroaniline	127	9.857	9.857	(1.018)	891297	80.0000	69.88
	30 Hexachlorobutadiene	225	10.028	10.028	(1.036)	274468	80.0000	66.67
	31 4-Chloro-3-methylphenol	107	10.658	10.658	(1.101)	675118	80.0000	70.86
	32 2-Methylnaphthalene	141	10.835	10.835	(1.119)	1026502	80.0000	65.10
	33 Hexachlorocyclopentadiene	237	11.214	11.214	(0.894)	276788	80.0000	87.25
	34 2,4,6-Trichlorophenol	196	11.347	11.347	(0.904)	382372	80.0000	76.11
	35 2,4,5-Trichlorophenol	196	11.401	11.401	(0.908)	392500	80.0000	72.65
$	36 2-Fluorobiphenyl	172	11.481	11.481	(0.915)	1317125	80.0000	67.35
	37 2-Chloronaphthalene	162	11.620	11.620	(0.926)	1152344	80.0000	66.95
	38 2-Nitroaniline	65	11.850	11.850	(0.944)	526085	80.0000	77.41
	39 Dimethylphthalate	163	12.234	12.234	(0.975)	1312978	80.0000	70.75
	40 Acenaphthylene	152	12.298	12.298	(0.980)	1827218	80.0000	65.92
	41 2,6-Dinitrotoluene	165	12.325	12.325	(0.982)	308902	80.0000	76.47
*	42 Acenaphthene-d10	164	12.549	12.549	(1.000)	303700	20.0000	
	43 3-Nitroaniline	138	12.533	12.533	(0.999)	391950	80.0000	75.92
	44 Acenaphthene	153	12.608	12.608	(1.005)	1144751	80.0000	66.16
	45 2,4-Dinitrophenol	184	12.699	12.699	(1.012)	216829	160.000	270.6
	46 Dibenzofuran	168	12.870	12.870	(1.026)	1504198	80.0000	65.27
	47 4-Nitrophenol	109	12.833	12.833	(1.023)	211704	80.0000	80.83 (M)
	48 2,4-Dinitrotoluene	165	12.950	12.950	(1.032)	417931	80.0000	79.36
	50 Diethylphthalate	149	13.393	13.393	(1.067)	1311296	80.0000	69.35
	49 Fluorene	166	13.426	13.426	(1.070)	1214544	80.0000	63.21
	51 4-Chlorophenyl-phenylether	204	13.447	13.447	(1.071)	551300	80.0000	64.68
	52 4-Nitroaniline	138	13.543	13.543	(1.079)	391584	80.0000	77.83
	53 4,6-Dinitro-2-methylphenol	198	13.618	13.618	(0.912)	380100	160.000	208.8
	54 N-Nitrosodiphenylamine	169	13.661	13.661	(0.915)	665241	80.0000	69.33
$	55 2,4,6-Tribromophenol	330	13.853	13.853	(1.104)	165827	80.0000	77.42
	56 4-Bromophenyl-phenylether	248	14.238	14.238	(0.953)	307988	80.0000	68.00
	57 Hexachlorobenzene	284	14.457	14.457	(0.968)	332120	80.0000	66.95
	58 Pentachlorophenol	266	14.756	14.756	(0.988)	220089	80.0000	83.29
*	59 Phenanthrene-d10	188	14.937	14.937	(1.000)	460440	20.0000	
	60 Phenanthrene	178	14.980	14.980	(1.003)	1719689	80.0000	62.88
	61 Anthracene	178	15.050	15.050	(1.008)	1750916	80.0000	63.61
	62 Carbazole	167	15.333	15.333	(1.026)	1687597	80.0000	64.27
	63 Di-n-butylphthalate	149	16.049	16.049	(1.074)	2031552	80.0000	64.43
	64 Fluoranthene	202	16.925	16.925	(1.133)	1738141	80.0000	63.97
	65 Pyrene	202	17.283	17.283	(0.897)	1783754	80.0000	67.54
$	66 Terphenyl-d14	244	17.592	17.592	(0.913)	1121446	80.0000	69.93
	67 Butylbenzylphthalate	149	18.479	18.479	(0.959)	952447	80.0000	72.84
	68 Benzo(a)anthracene	228	19.248	19.248	(0.999)	1363069	80.0000	66.43
*	69 Chrysene-d12	240	19.275	19.275	(1.000)	310351	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.254	19.254	(0.999)	501467	80.0000	69.55
	71 Chrysene	228	19.323	19.323	(1.002)	1395313	80.0000	67.50
	72 bis(2-Ethylhexyl)phthalate	149	19.473	19.473	(0.954)	1281177	80.0000	73.81
*	134 Di-n-octylphthalate-d4	153	20.408	20.408	(1.000)	664898	20.0000	
	73 Di-n-octylphthalate	149	20.424	20.424	(1.001)	2065097	80.0000	70.87

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.921	20.921	(0.976)	1800490	80.0000	69.87
75	Benzo(k)fluoranthene	252	20.953	20.953	(0.978)	1449810	80.0000	54.68
76	Benzo(a)pyrene	252	21.369	21.369	(0.997)	1536080	80.0000	65.47
* 77	Perylene-d12	264	21.433	21.433	(1.000)	414331	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	23.009	23.009	(1.074)	1995635	80.0000	67.89
79	Dibenzo(a,h)anthracene	278	23.036	23.036	(1.075)	1585401	80.0000	65.08
80	Benzo(g,h,i)perylene	276	23.453	23.453	(1.094)	1885055	80.0000	69.41
90	N-Nitrosodimethylamine	74	3.420	3.420	(0.447)	620440	80.0000	76.26
103	Pyridine	79	3.382	3.382	(0.442)	1110773	80.0000	80.37 (M)
91	Aniline	93	7.218	7.218	(0.943)	1242480	80.0000	69.37
105	1-methylnaphthalene	141	11.011	11.011	(1.137)	1039269	80.0000	64.73
93	Benzidine	184	17.170	17.170	(0.891)	842279	80.0000	66.45
98	Retene	219	17.843	17.843	(0.926)	734894	80.0000	69.69
111	Azobenzene (1,2-DP-Hydrazine)	77	13.709	13.709	(1.092)	1702607	80.0000	69.34
144	alpha-Terpineol	59	9.739	9.739	(1.006)	597120	80.0000	68.68
143	1,4-Dioxane	88	2.736	2.736	(0.357)	411821	80.0000	75.28 (M)
$ 137	d8-1,4-Dioxane	96	2.682	2.682	(0.350)	382933	80.0000	75.35
133	Butylatedhydroxytoluene	205	12.726	12.726	(1.014)	880855	80.0000	64.33
115	Tributyl Phosphate	99	13.762	13.762	(0.921)	1806678	80.0000	67.53
116	Dibutyl Phenyl Phosphate	175	15.493	15.493	(1.037)	1194771	80.0000	64.80
117	Butyl Diphenyl Phosphate	94	17.186	17.186	(0.892)	419378	80.0000	70.07
118	Triphenyl Phosphate	326	18.794	18.794	(0.975)	268947	80.0000	73.55

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0800810.d
Lab Smp Id: ABN 80
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42
Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	151661	-1.06
27 Naphthalene-d8	566754	283377	1133508	570983	0.75
42 Acenaphthene-d10	308375	154188	616750	303700	-1.52
59 Phenanthrene-d10	447684	223842	895368	460440	2.85
69 Chrysene-d12	331290	165645	662580	310351	-6.32
134 Di-n-octylphthala	733535	366768	1467070	664898	-9.36
77 Perylene-d12	403979	201990	807958	414331	2.56

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.66	0.08
27 Naphthalene-d8	9.67	9.17	10.17	9.68	0.06
42 Acenaphthene-d10	12.54	12.04	13.04	12.55	0.05
59 Phenanthrene-d10	14.93	14.43	15.43	14.94	0.04
69 Chrysene-d12	19.26	18.76	19.76	19.28	0.06
134 Di-n-octylphthala	20.41	19.91	20.91	20.41	0.00
77 Perylene-d12	21.43	20.93	21.93	21.43	0.00

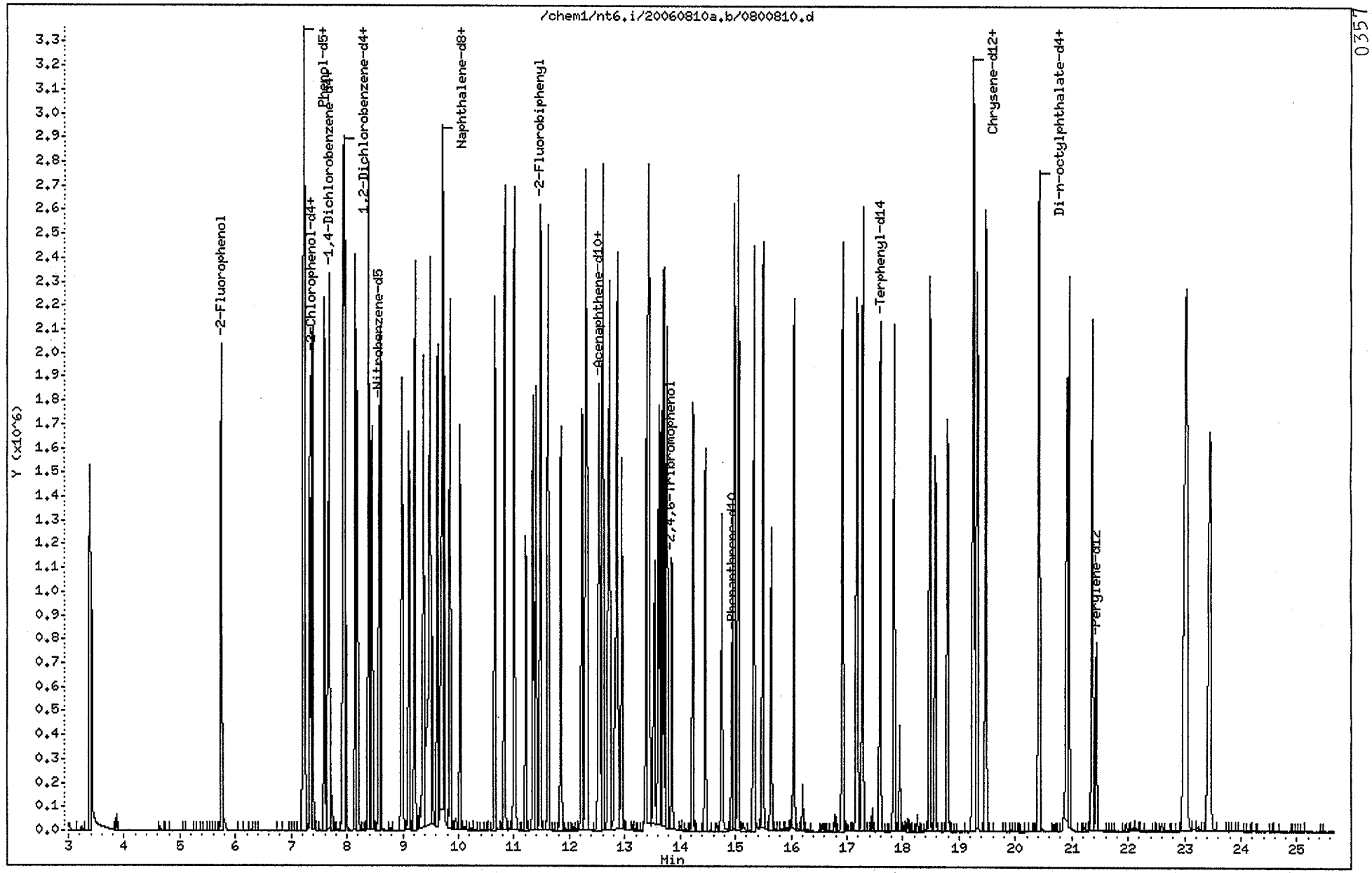
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060810a.b/0800810.d
Date : 10-AUG-2006 16:15
Client ID:
Sample Info: ABN 80

Instrument: nt6.i

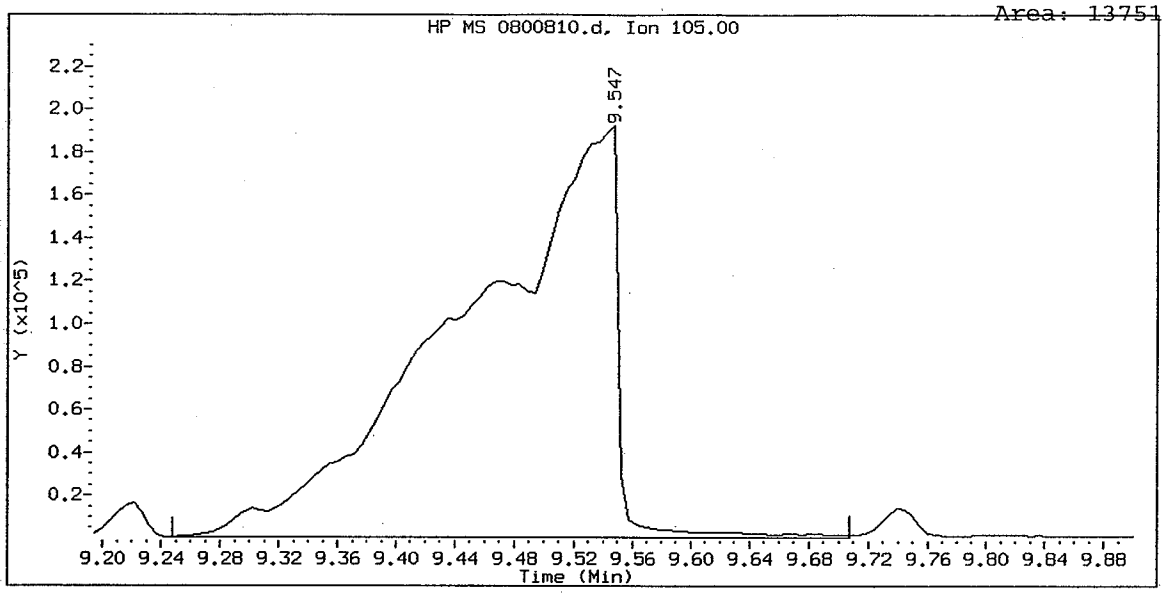
Operator: LJR
Column diameter: 0.32

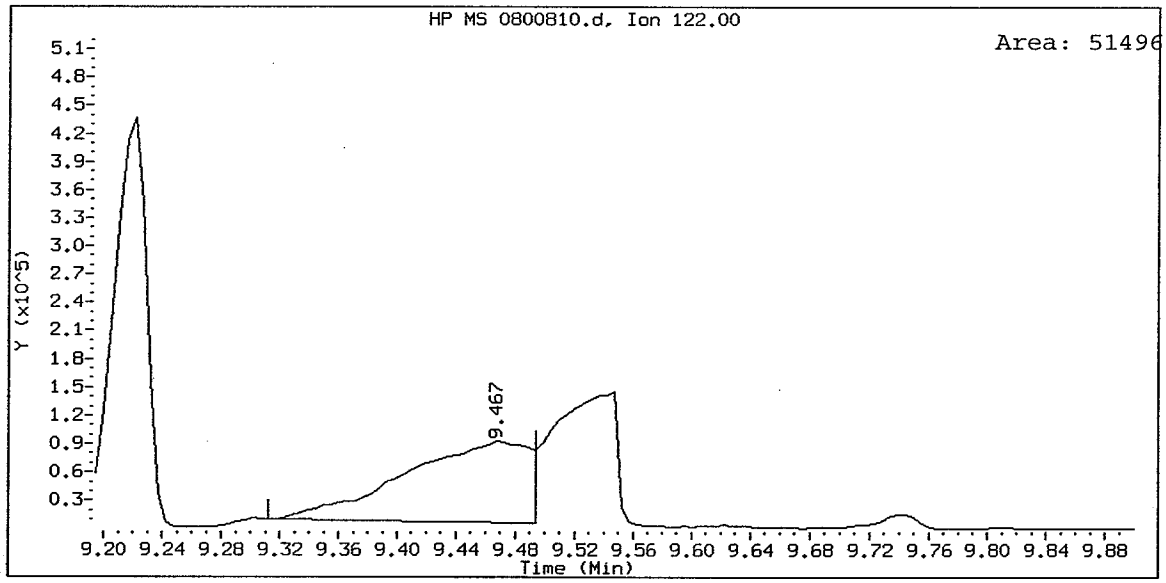
Column phase: ZB-5

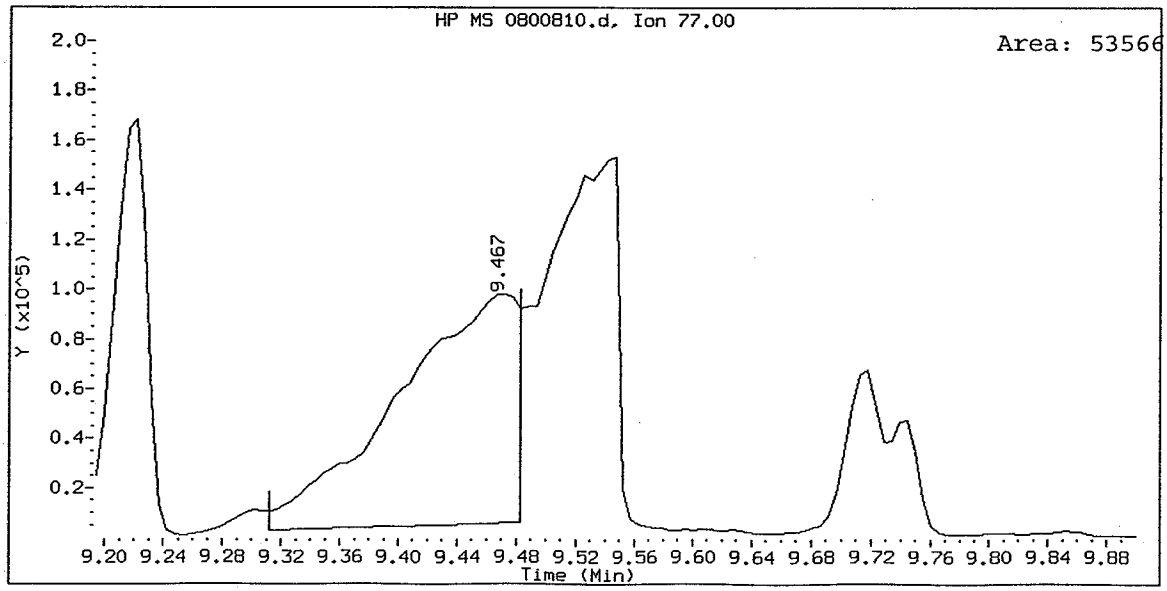


0357

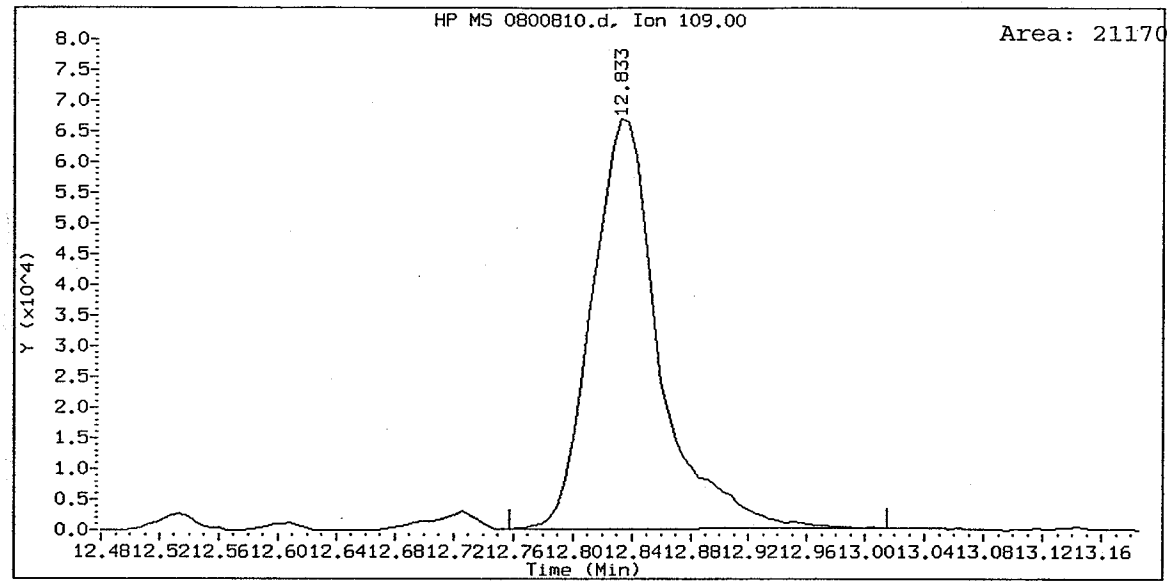
ABN 80, /chem1/nt6.i/20060810a.b/0800810.d
Benzoic acid Amount: 172.04

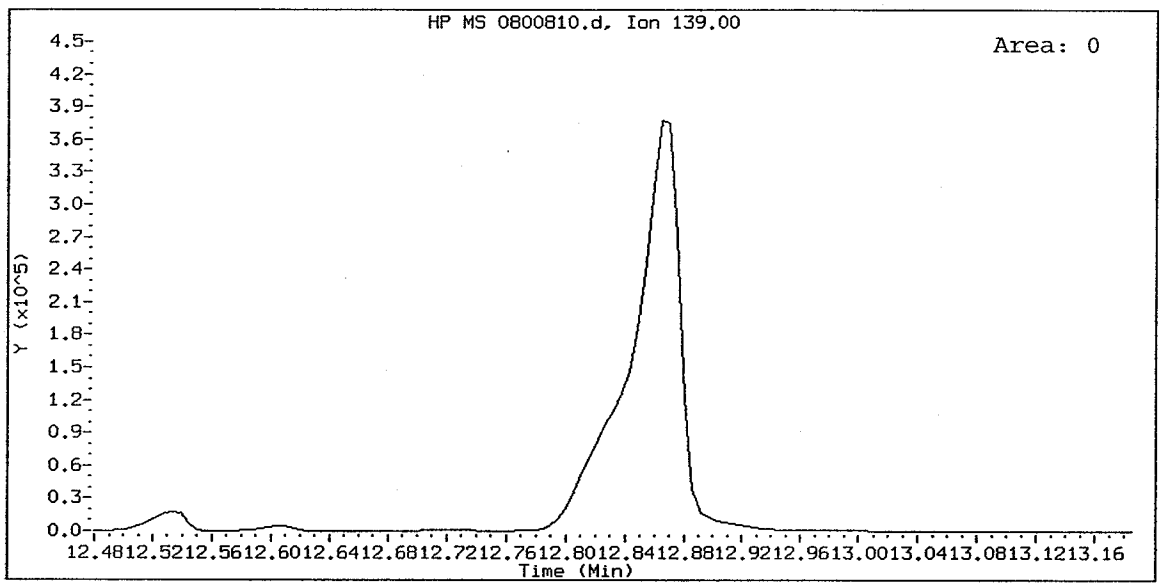


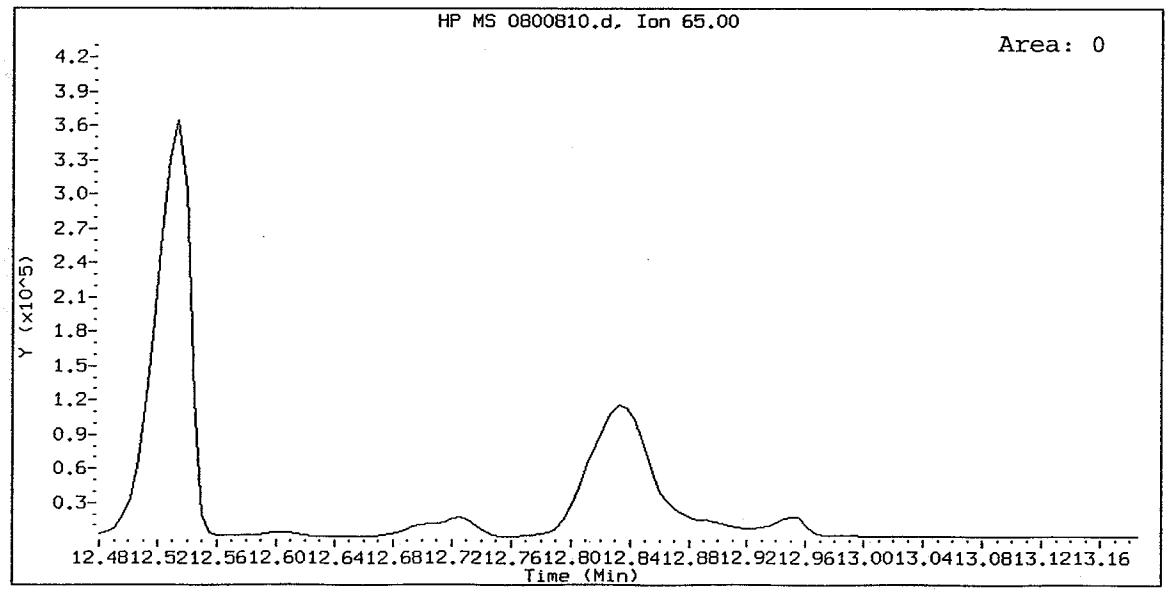




ABN 80, /chem1/nt6.i/20060810a.b/0800810.d
4-Nitrophenol Amount: 80.83







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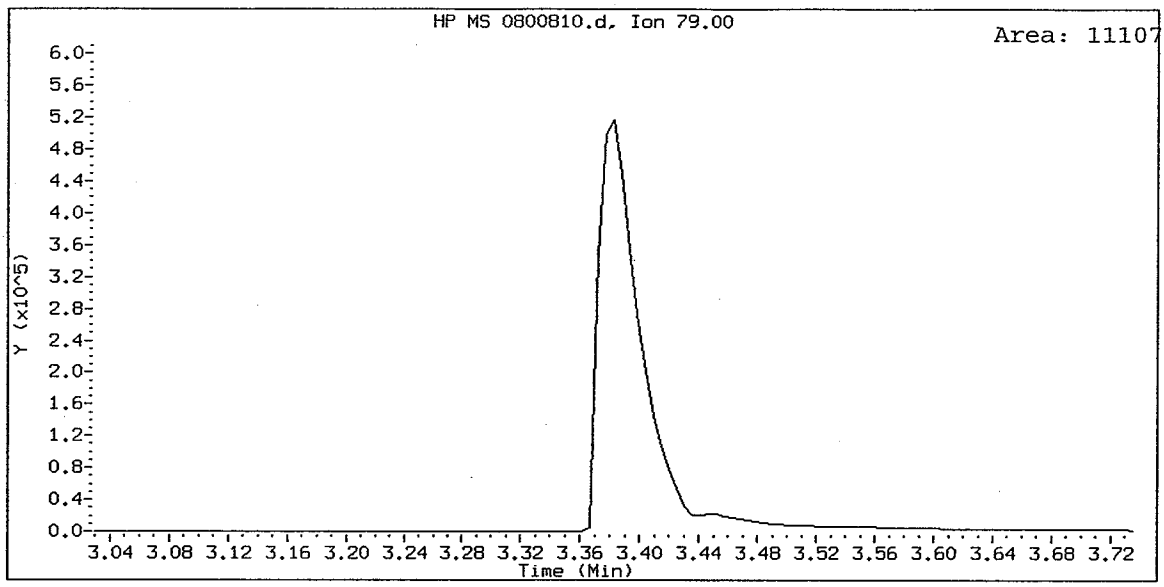
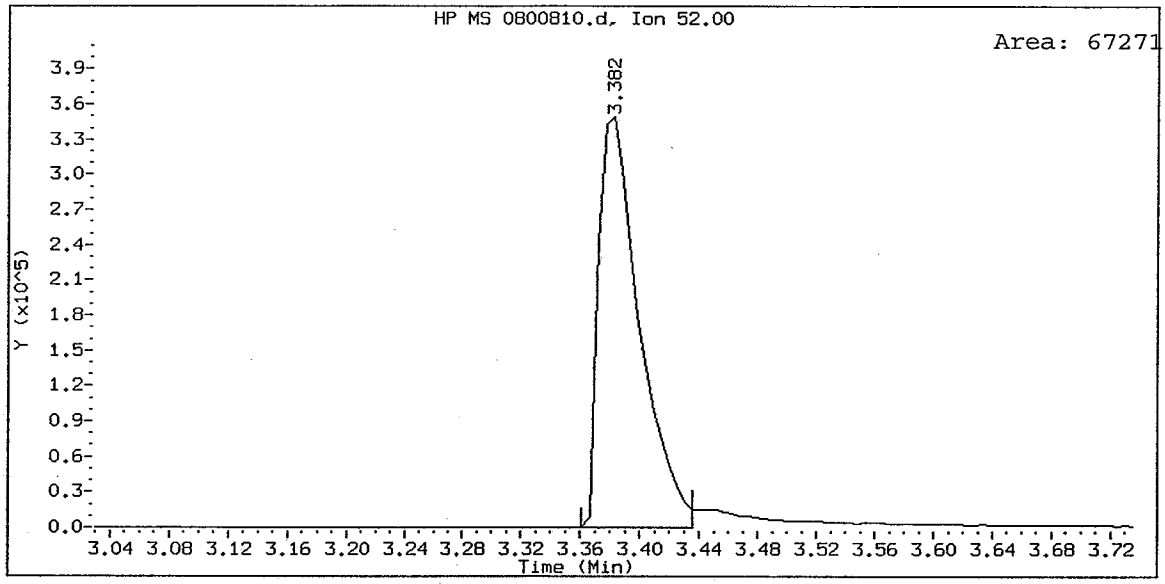
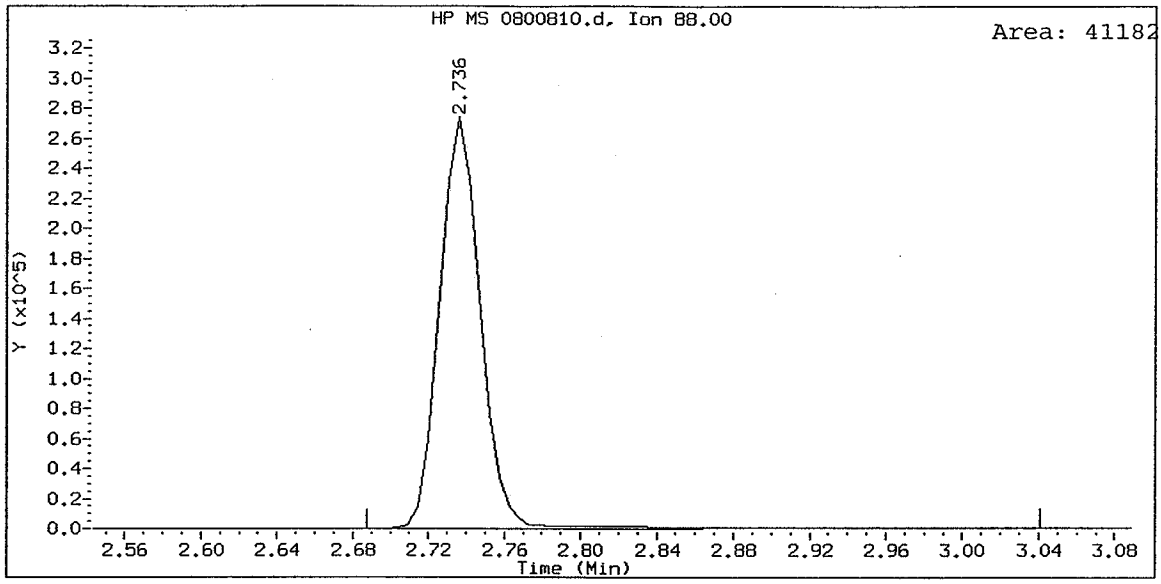
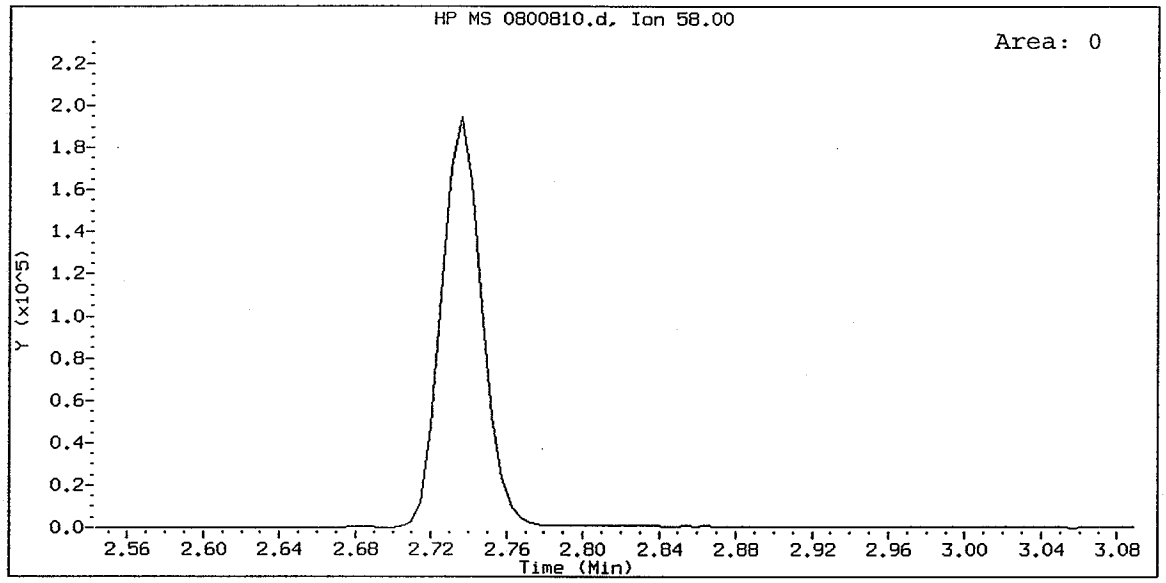
Pyridine Amount: 80.37

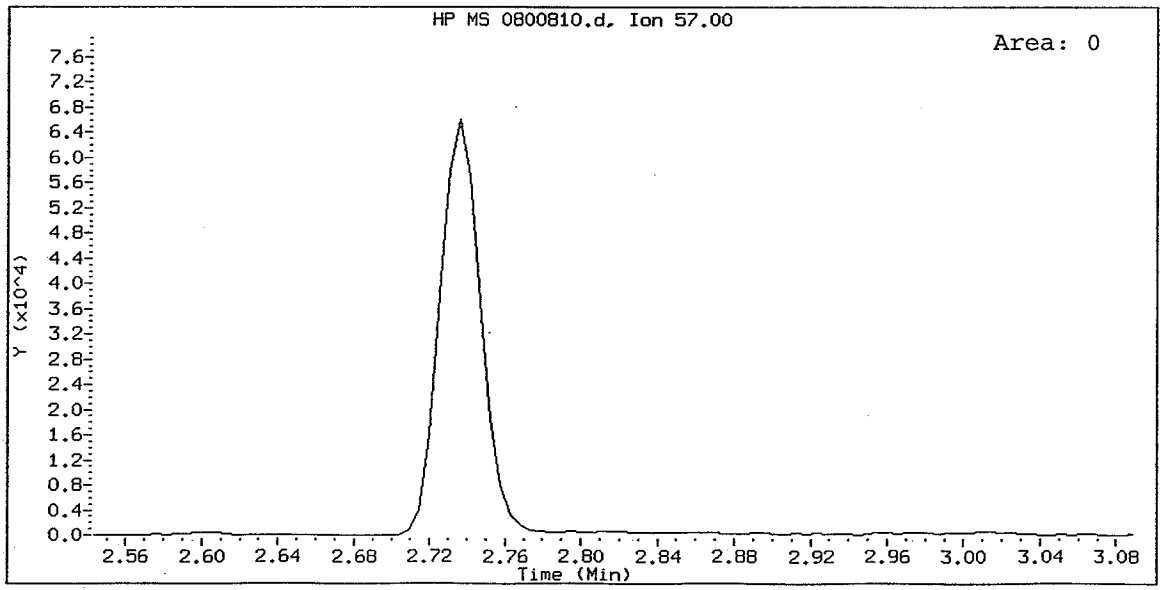




ABN 80, /chem1/nt6.i/20060810a.b/0800810.d
1,4-Dioxane Amount: 75.28







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/icv0810.d
Lab Smp Id: ABN ICV
Inj Date : 10-AUG-2006 19:00
Operator : LJR Inst ID: nt6.i
Smp Info : ABN ICV
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 12:21 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 16:15 Cal File: 0800810.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICV.sub
Target Version: 3.50

LJR 8/11/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
	3 Phenol	94	7.217	7.229	(0.943)	448713	26.3953	26.40
	4 Bis(2-Chloroethyl)ether	93	7.324	7.331	(0.957)	342366	27.0506	27.05
	6 2-Chlorophenol	128	7.372	7.379	(0.964)	303245	27.0651	27.07
	7 1,3-Dichlorobenzene	146	7.591	7.592	(0.992)	315886	26.1714	26.17
*	8 1,4-Dichlorobenzene-d4	152	7.650	7.651	(1.000)	161319	20.0000	
	9 1,4-Dichlorobenzene	146	7.677	7.678	(1.003)	317376	26.1581	26.16
	11 Benzyl alcohol	108	7.917	7.924	(1.035)	219259	25.8868	25.89
	12 1,2-Dichlorobenzene	146	7.965	7.966	(1.041)	306050	27.0476	27.05
	13 2-Methylphenol	108	8.142	8.143	(1.064)	302316	26.9704	26.97
	14 2,2'-oxybis(1-Chloropropane)	45	8.179	8.185	(1.069)	513800	27.2347	27.23
	15 4-Methylphenol	108	8.371	8.378	(1.094)	310609	27.0565	27.06
	16 N-Nitroso-di-n-propylamine	70	8.393	8.405	(1.097)	266981	26.4701	26.47
	17 Hexachloroethane	117	8.446	8.447	(1.104)	136050	27.6331	27.63
	19 Nitrobenzene	77	8.590	8.597	(0.888)	373249	26.8735	26.87
	20 Isophorone	82	8.970	8.976	(0.927)	673746	27.3836	27.38
	21 2-Nitrophenol	139	9.103	9.110	(0.941)	152328	27.1103	27.11
	22 2,4-Dimethylphenol	107	9.205	9.211	(0.951)	310427	26.2242	26.22
	23 Bis(2-Chloroethoxy)methane	93	9.360	9.366	(0.967)	386814	25.8818	25.88
	24 Benzoic acid	105	9.386	9.468	(0.970)	217532	26.2503	26.25 (M)
	25 2,4-Dichlorophenol	162	9.483	9.484	(0.980)	221372	27.0702	27.07
	26 1,2,4-Trichlorobenzene	180	9.621	9.623	(0.994)	231534	26.0872	26.09
*	27 Naphthalene-d8	136	9.675	9.676	(1.000)	591944	20.0000	
	28 Naphthalene	128	9.707	9.708	(1.003)	794344	27.5763	27.58
	29 4-Chloroaniline	127	9.846	9.847	(1.018)	353321	26.7201	26.72
	30 Hexachlorobutadiene	225	10.027	10.028	(1.036)	108338	25.3826	25.38
	31 4-Chloro-3-methylphenol	107	10.647	10.648	(1.100)	262720	26.5983	26.60
	32 2-Methylnaphthalene	141	10.829	10.830	(1.119)	428964	26.2402	26.24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
	33 Hexachlorocyclopentadiene	237	11.213	11.214	(0.894)	92239	27.8804	27.88
	34 2,4,6-Trichlorophenol	196	11.342	11.343	(0.904)	142306	27.1603	27.16
	35 2,4,5-Trichlorophenol	196	11.390	11.396	(0.908)	155034	27.5160	27.52
	37 2-Chloronaphthalene	162	11.609	11.610	(0.925)	473200	26.3621	26.36
	38 2-Nitroaniline	65	11.838	11.839	(0.944)	186585	26.3264	26.33
	39 Dimethylphthalate	163	12.218	12.224	(0.974)	507620	26.2288	26.23
	40 Acenaphthylene	152	12.287	12.294	(0.980)	747740	25.8696	25.87
	41 2,6-Dinitrotoluene	165	12.309	12.315	(0.981)	115100	27.3212	27.32
*	42 Acenaphthene-d10	164	12.544	12.545	(1.000)	316712	20.0000	
	43 3-Nitroaniline	138	12.517	12.523	(0.998)	142651	26.4957	26.50
	44 Acenaphthene	153	12.597	12.598	(1.004)	473172	26.2230	26.22
	45 2,4-Dinitrophenol	184	12.682	12.689	(1.011)	19048	22.7965	22.80
	46 Dibenzofuran	168	12.853	12.860	(1.025)	629688	26.2006	26.20
	47 4-Nitrophenol	109	12.805	12.822	(1.021)	69546	25.4623	25.46
	48 2,4-Dinitrotoluene	165	12.939	12.940	(1.032)	149833	27.2814	27.28
	49 Fluorene	166	13.414	13.421	(1.069)	522698	26.0873	26.09
	50 Diethylphthalate	149	13.377	13.383	(1.066)	508224	25.7744	25.77
	51 4-Chlorophenyl-phenylether	204	13.441	13.442	(1.072)	226009	25.4255	25.43
	52 4-Nitroaniline	138	13.511	13.522	(1.077)	130469	24.8667	24.87
	53 4,6-Dinitro-2-methylphenol	198	13.591	13.602	(0.911)	45233	25.5709	25.57
	54 N-Nitrosodiphenylamine	169	13.644	13.650	(0.914)	367649	39.4256	39.43 (R)
	56 4-Bromophenyl-phenylether	248	14.226	14.233	(0.953)	118951	27.0230	27.02
	57 Hexachlorobenzene	284	14.451	14.452	(0.968)	127628	26.4742	26.47
	58 Pentachlorophenol	266	14.739	14.746	(0.987)	71118	27.6926	27.69
*	59 Phenanthrene-d10	188	14.926	14.933	(1.000)	447490	20.0000	
	60 Phenanthrene	178	14.969	14.970	(1.003)	702656	28.3026	28.30
	61 Anthracene	178	15.038	15.045	(1.008)	719789	26.9061	26.91
	62 Carbazole	167	15.321	15.323	(1.026)	643975	27.3580	27.36
	63 Di-n-butylphthalate	149	16.043	16.044	(1.075)	830915	27.1139	27.11
	64 Fluoranthene	202	16.913	16.915	(1.133)	672400	25.4631	25.46
	65 Pyrene	202	17.271	17.272	(0.897)	715771	26.8477	26.85
	67 Butylbenzylphthalate	149	18.468	18.474	(0.959)	355045	26.8981	26.90
	68 Benzo(a)anthracene	228	19.237	19.244	(0.999)	529658	25.5711	25.57
*	69 Chrysene-d12	240	19.264	19.265	(1.000)	313271	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.243	19.249	(0.999)	184452	25.3448	25.34
	71 Chrysene	228	19.307	19.308	(1.002)	547466	26.2362	26.24
	72 bis(2-Ethylhexyl)phthalate	149	19.467	19.468	(0.954)	495112	26.9229	26.92
*	134 Di-n-octylphthalate-d4	153	20.402	20.408	(1.000)	704463	20.0000	
	73 Di-n-octylphthalate	149	20.418	20.419	(1.001)	802079	25.9790	25.98
	74 Benzo(b)fluoranthene	252	20.899	20.905	(0.975)	606920	25.4763	25.48
	75 Benzo(k)fluoranthene	252	20.936	20.937	(0.977)	652747	29.2328	29.23
	76 Benzo(a)pyrene	252	21.347	21.354	(0.996)	591346	27.2642	27.26
*	77 Perylene-d12	264	21.428	21.429	(1.000)	383014	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	22.982	22.989	(1.073)	742955	27.3400	27.34
	79 Dibenzo(a,h)anthracene	278	23.003	23.015	(1.074)	617500	27.4196	27.42
	80 Benzo(g,h,i)perylene	276	23.415	23.421	(1.093)	699439	27.8607	27.86
	103 Pyridine	79	3.382	3.388	(0.442)	427820	29.1001	29.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
90 N-Nitrosodimethylamine	74	3.403	3.415	(0.445)	228956	26.4557	26.46
91 Aniline	93	7.207	7.213	(0.942)	532347	27.9418	27.94
105 1-methylnaphthalene	141	11.000	11.001	(1.137)	462915	27.8094	27.81
111 Azobenzene (1,2-DP-Hydrazine)	77	13.692	13.699	(1.092)	706470	27.5907	27.59
93 Benzidine	184	17.159	17.166	(0.891)	310976	24.3058	24.31

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: icv0810.d
Lab Smp Id: ABN ICV
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	161319	5.24
27 Naphthalene-d8	566754	283377	1133508	591944	4.44
42 Acenaphthene-d10	308375	154188	616750	316712	2.70
59 Phenanthrene-d10	447684	223842	895368	447490	-0.04
69 Chrysene-d12	331290	165645	662580	313271	-5.44
134 Di-n-octylphthala	733535	366768	1467070	704463	-3.96
77 Perylene-d12	403979	201990	807958	383014	-5.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.00
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.00
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	0.00
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.03
69 Chrysene-d12	19.26	18.76	19.76	19.26	0.00
134 Di-n-octylphthala	20.41	19.91	20.91	20.40	-0.03
77 Perylene-d12	21.43	20.93	21.93	21.43	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: NONE
Lab Smp Id: ABN ICV
Level:
Data Type: MS DATA
SpikeList File: ICV.spk
Sublist File: ICV.sub
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Client SDG: 20060810a
Fraction: SV

Operator: LJR
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
3 Phenol	25.00	26.40	105.58	
4 Bis(2-Chloroethyl)	25.00	27.05	108.20	
6 2-Chlorophenol	25.00	27.07	108.26	
7 1,3-Dichlorobenzen	25.00	26.17	104.69	
9 1,4-Dichlorobenzen	25.00	26.16	104.63	
11 Benzyl alcohol	25.00	25.89	103.55	
12 1,2-Dichlorobenzen	25.00	27.05	108.19	
13 2-Methylphenol	25.00	26.97	107.88	
14 2,2'-oxybis(1-Chlo	25.00	27.23	108.94	
15 4-Methylphenol	25.00	27.06	108.23	
16 N-Nitroso-di-n-pro	25.00	26.47	105.88	
19 Nitrobenzene	25.00	26.87	107.49	
20 Isophorone	25.00	27.38	109.53	
21 2-Nitrophenol	25.00	27.11	108.44	
22 2,4-Dimethylphenol	25.00	26.22	104.90	
23 Bis(2-Chloroethoxy	25.00	25.88	103.53	
24 Benzoic acid	25.00	26.25	105.00	
25 2,4-Dichlorophenol	25.00	27.07	108.28	
26 1,2,4-Trichloroben	25.00	26.09	104.35	
28 Naphthalene	25.00	27.58	OK 110.31	
29 4-Chloroaniline	25.00	26.72	106.88	
30 Hexachlorobutadien	25.00	25.38	101.53	
31 4-Chloro-3-methylp	25.00	26.60	106.39	
32 2-Methylnaphthalen	25.00	26.24	104.96	
33 Hexachlorocyclopen	25.00	27.88	111.52	
34 2,4,6-Trichlorophe	25.00	27.16	108.64	
35 2,4,5-Trichlorophe	25.00	27.52	110.06	
37 2-Chloronaphthalen	25.00	26.36	105.45	
39 Dimethylphthalate	25.00	26.23	104.92	
40 Acenaphthylene	25.00	25.87	103.48	
43 3-Nitroaniline	25.00	26.50	105.98	
44 Acenaphthene	25.00	26.22	104.89	
46 Dibenzofuran	25.00	26.20	104.80	

SPIKE	COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
48	2,4-Dinitrotoluene	25.00	27.28	109.13	
49	Fluorene	25.00	26.09	104.35	
50	Diethylphthalate	25.00	25.77	103.10	
51	4-Chlorophenyl-phe	25.00	25.43	101.70	
52	4-Nitroaniline	25.00	24.87	99.47	
53	4,6-Dinitro-2-meth	25.00	25.57	102.28	
54	N-Nitrosodiphenyla	25.00	39.43	157.70*	
56	4-Bromophenyl-phen	25.00	27.02	108.09	
57	Hexachlorobenzene	25.00	26.47	105.90	
58	Pentachlorophenol	25.00	27.69	110.77	
60	Phenanthrene	25.00	28.30	113.21	
61	Anthracene	25.00	26.91	107.62	
62	Carbazole	25.00	27.36	109.43	
63	Di-n-butylphthalat	25.00	27.11	108.46	
64	Fluoranthene	25.00	25.46	101.85	
65	Pyrene	25.00	26.85	107.39	
67	Butylbenzylphthala	25.00	26.90	107.59	
68	Benzo(a)anthracene	25.00	25.57	102.28	
70	3,3'-Dichlorobenzi	25.00	25.34	101.38	
71	Chrysene	25.00	26.24	104.94	
72	bis(2-Ethylhexyl)p	25.00	26.92	107.69	
73	Di-n-octylphthalat	25.00	25.98	103.92	
74	Benzo(b)fluoranthe	25.00	25.48	101.91	
75	Benzo(k)fluoranthe	25.00	29.23	116.93	
76	Benzo(a)pyrene	25.00	27.26	109.06	
78	Indeno(1,2,3-cd)py	25.00	27.34	109.36	
79	Dibenzo(a,h)anthra	25.00	27.42	109.68	
80	Benzo(g,h,i)peryle	25.00	27.86	111.44	
103	Pyridine	25.00	29.10	116.40	
90	N-Nitrosodimethyla	25.00	26.46	105.82	
91	Aniline	25.00	27.94	111.77	
105	1-methylnaphthalen	25.00	27.81	111.24	
111	Azobenzene (1,2-DP	25.00	27.59	110.36	
93	Benzidine	25.00	24.31	97.22	

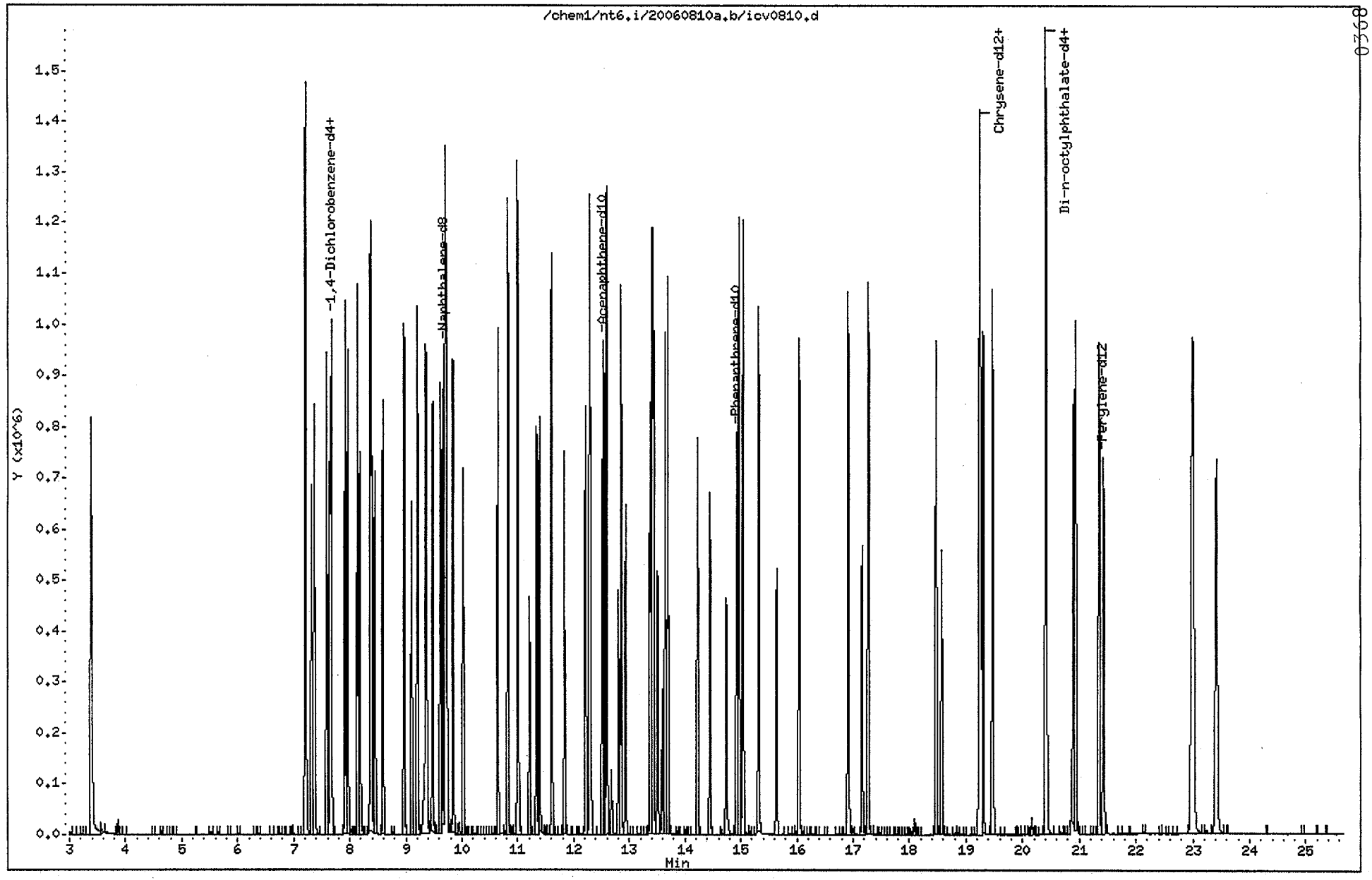
OK

Data File: /chem1/nt6.i/20060810a.b/icv0810.d
Date : 10-AUG-2006 19:00
Client ID:
Sample Info: ABN ICV

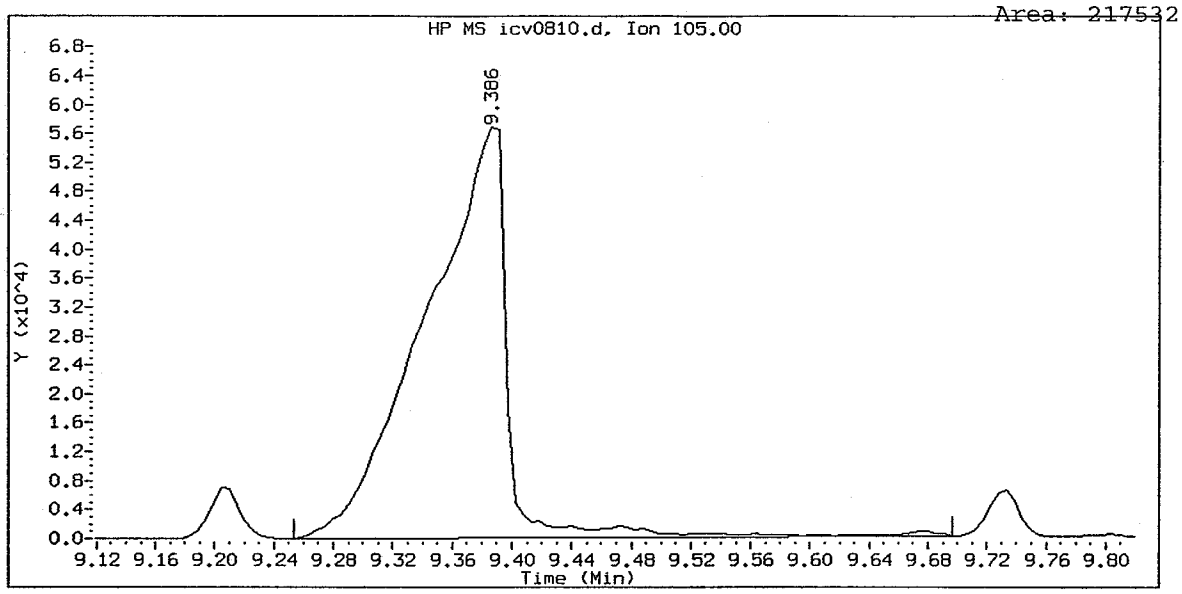
Instrument: nt6.i

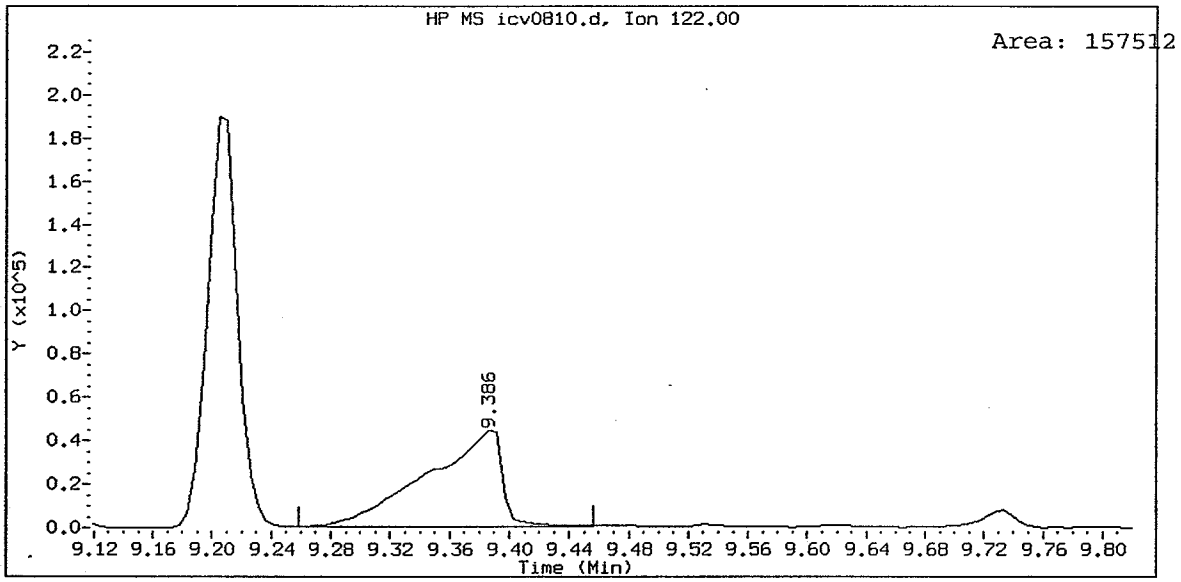
Operator: LJR
Column diameter: 0.32

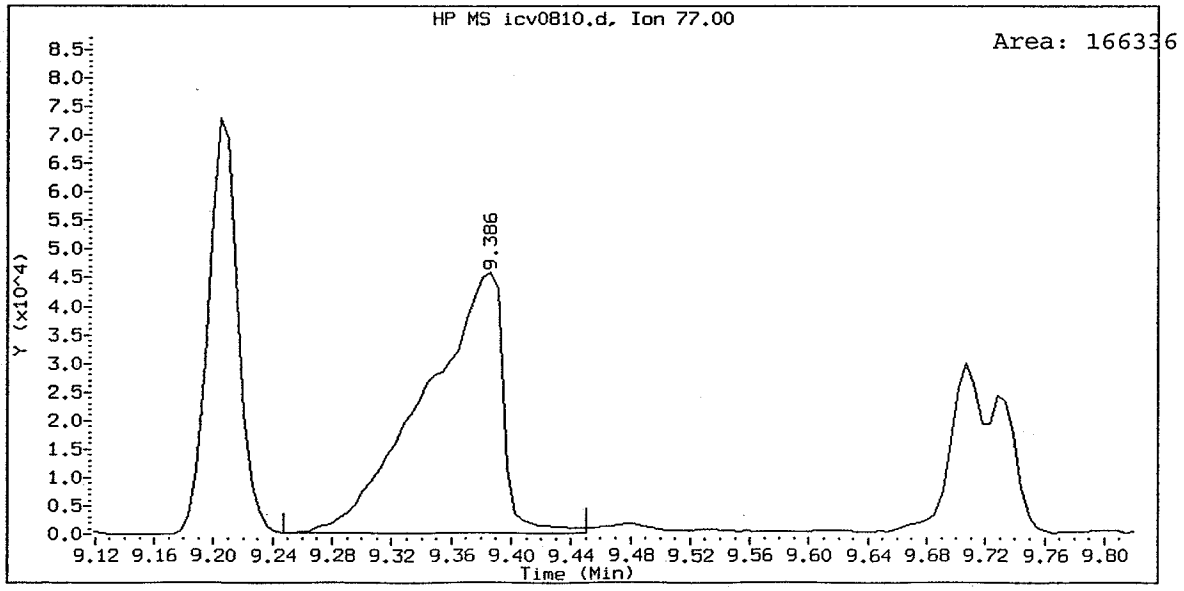
Column phase: ZB-5

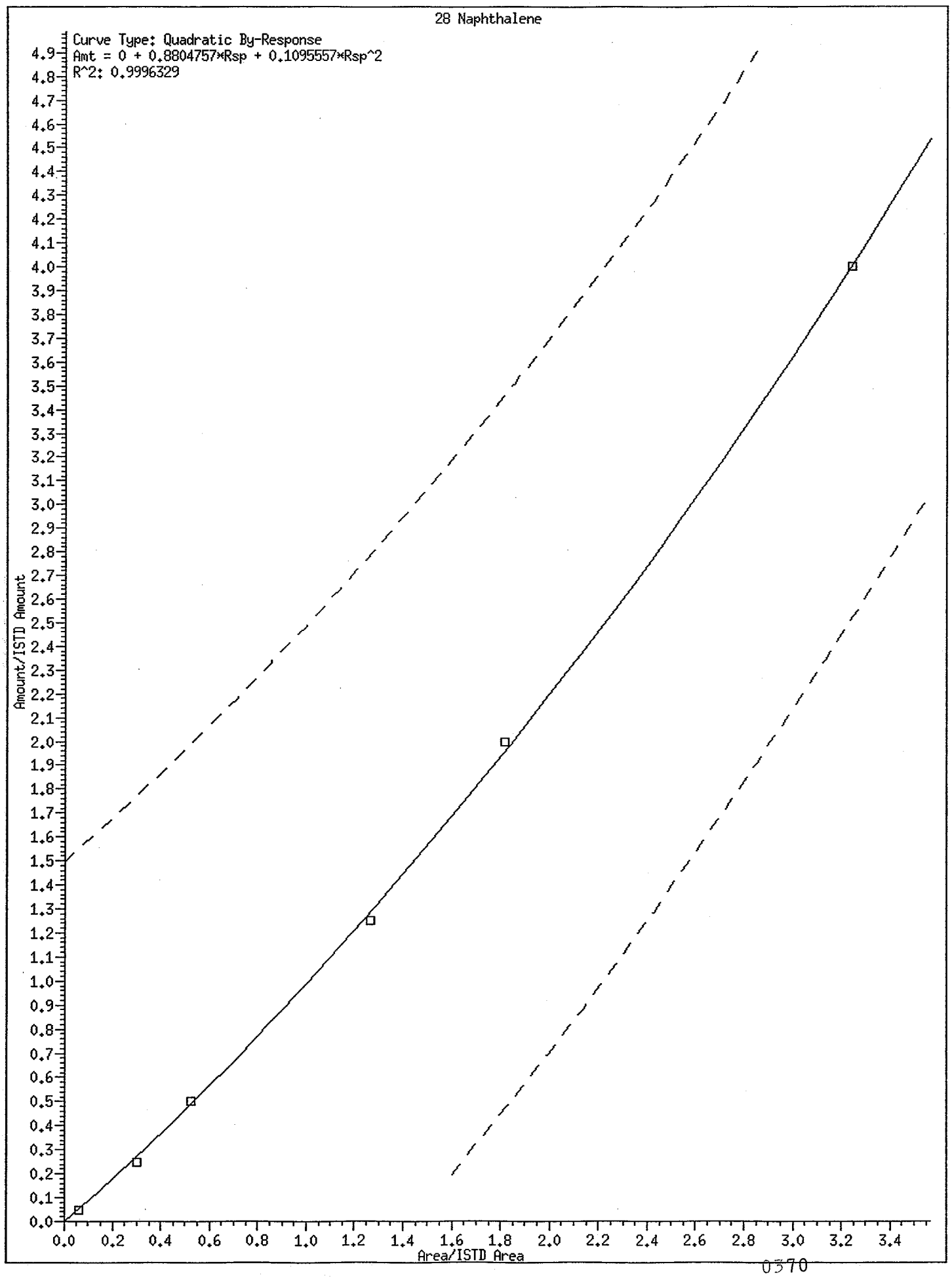


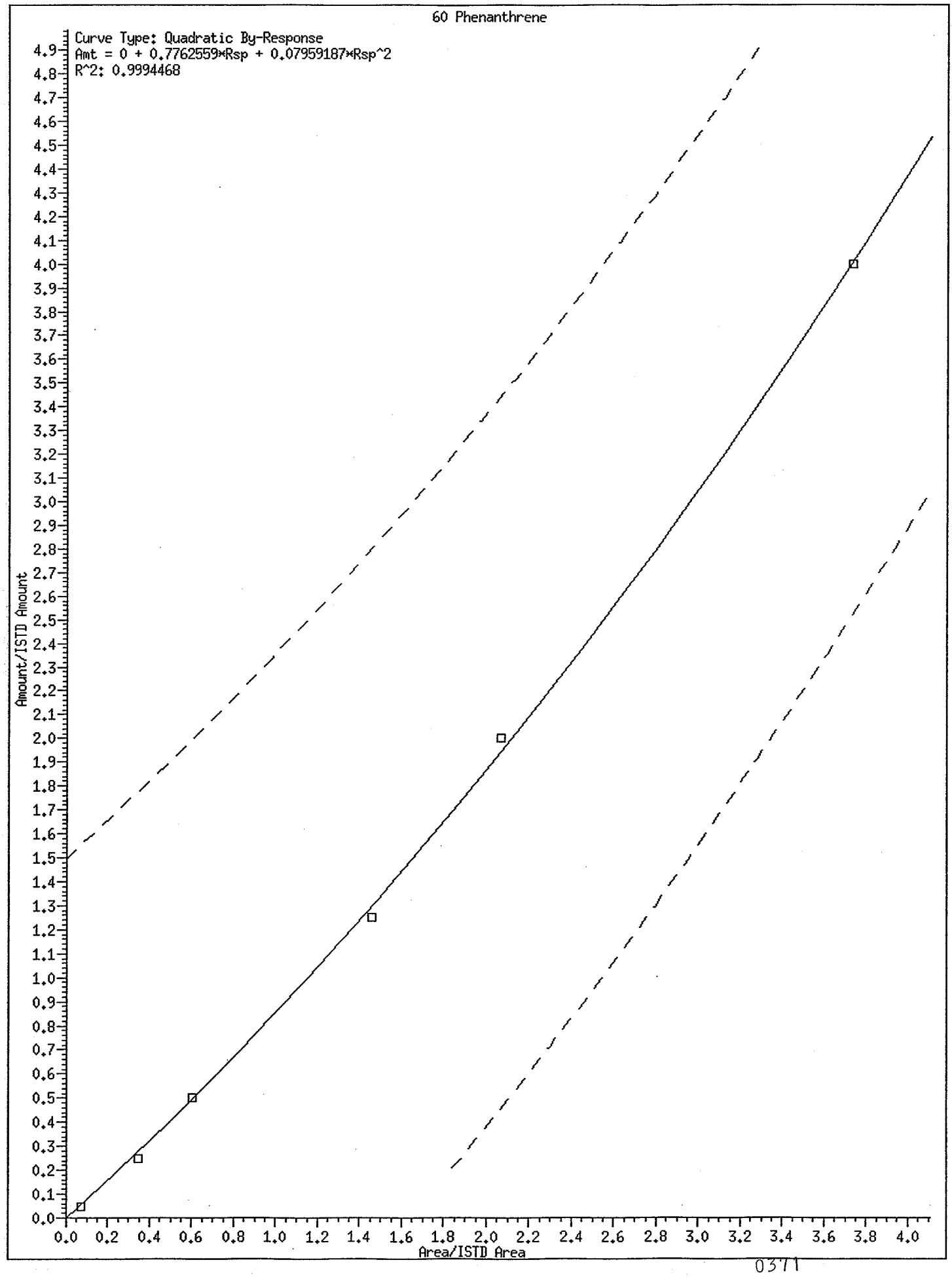
ABN ICV, /chem1/nt6.i/20060810a.b/icv0810.d
Benzoic acid Amount: 26.25








28 Naphthalene
Curve Type: Quadratic By-Response
Amt = 0 + 0.8804757*Rsp + 0.1095557*Rsp^2
R^2: 0.9996329
Amount/ISTD Amount
Area/ISTD Area
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9 4.0 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9


60 Phenanthrene
Curve Type: Quadratic By-Response
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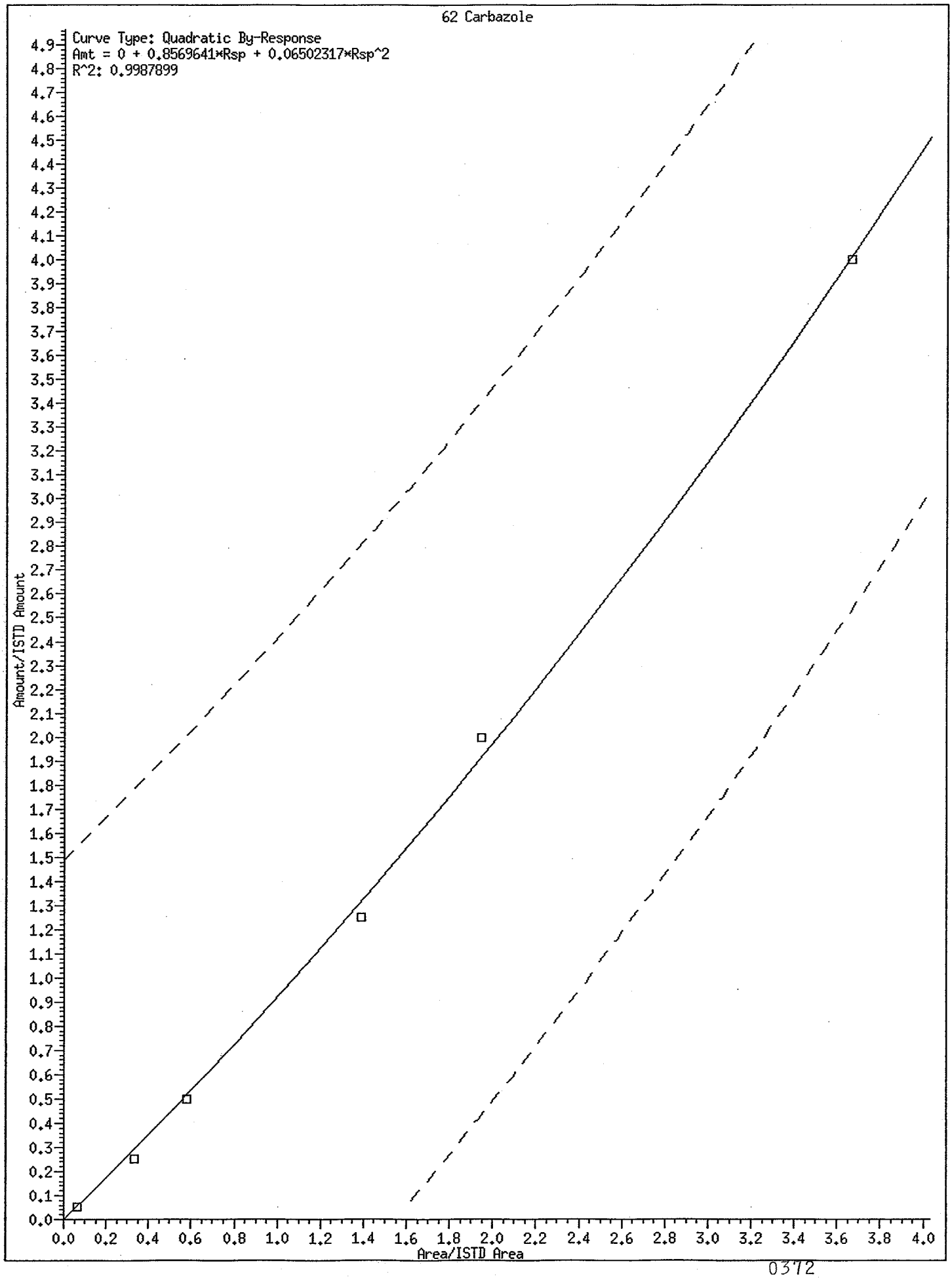
R^2: 0.9994468
Amount/ISTD Amount
Area/ISTD Area

0371


62 Carbazole
Curve Type: Quadratic By-Response
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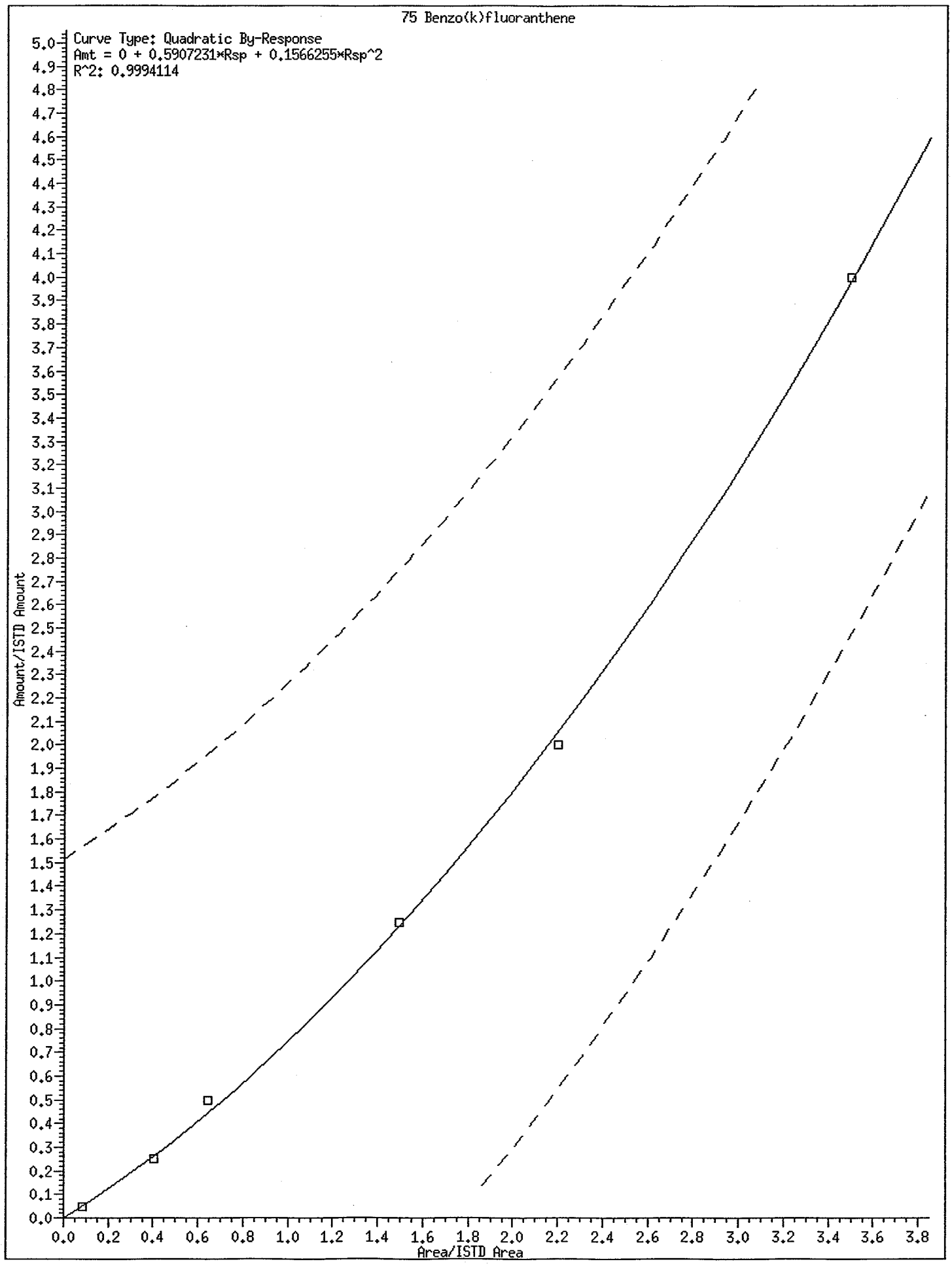
R^2: 0.9987899
Amount/ISTD Amount
Area/ISTD Area


75 Benzo(k)fluoranthene
Curve Type: Quadratic By-Response
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R^2: 0.9994114
Amount/ISTD Amount
Area/ISTD Area

7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 09/13/06

Init. Calib. Date: 08/10/06 Cont. Calib. Time: 1457

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D
Phenol	22.61	25.00	AVRG	9.6	20.0
Bis(2-Chloroethyl)ether	22.81	25.00	AVRG	8.8	
2-Chlorophenol	26.11	25.00	AVRG	-4.4	
1,3-Dichlorobenzene	25.58	25.00	AVRG	-2.3	
1,4-Dichlorobenzene	25.71	25.00	AVRG	-2.8	20.0
1,2-Dichlorobenzene	25.29	25.00	AVRG	-1.2	
Benzyl alcohol	23.90	25.00	AVRG	4.4	
2,2'-oxybis(1-Chloropropane)	20.30	25.00	AVRG	18.8	
2-Methylphenol	26.10	25.00	AVRG	-4.4	
Hexachloroethane	26.16	25.00	AVRG	-4.6	
N-Nitroso-di-n-propylamine	22.59	25.00	AVRG	9.6	
4-Methylphenol	26.48	25.00	AVRG	-5.9	
Nitrobenzene	24.16	25.00	AVRG	3.4	
Isophorone	23.39	25.00	AVRG	6.4	
2-Nitrophenol	29.53	25.00	AVRG	-18.1	20.0
2,4-Dimethylphenol	25.77	25.00	AVRG	-3.1	
Bis(2-Chloroethoxy)methane	24.68	25.00	AVRG	1.3	
2,4-Dichlorophenol	28.54	25.00	AVRG	-14.2	20.0
1,2,4-Trichlorobenzene	26.52	25.00	AVRG	-6.1	
Naphthalene	27.22	25.00	2ORDR	-8.9	
Benzoic acid	53.16	50.00	AVRG	-6.3	
4-Chloroaniline	27.15	25.00	AVRG	-8.6	
Hexachlorobutadiene	26.39	25.00	AVRG	-5.6	20.0
4-Chloro-3-methylphenol	26.41	25.00	AVRG	-5.6	20.0
2-Methylnaphthalene	25.76	25.00	AVRG	-3.0	
Hexachlorocyclopentadiene	34.52	25.00	AVRG	-38.1	
2,4,6-Trichlorophenol	28.42	25.00	AVRG	-13.7	20.0
2,4,5-Trichlorophenol	27.82	25.00	AVRG	-11.3	
2-Chloronaphthalene	25.48	25.00	AVRG	-1.9	
2-Nitroaniline	24.21	25.00	AVRG	3.2	
Acenaphthylene	23.99	25.00	AVRG	4.0	
Dimethylphthalate	24.88	25.00	AVRG	0.5	
2,6-Dinitrotoluene	28.75	25.00	AVRG	-15.0	
Acenaphthene	24.54	25.00	AVRG	1.8	20.0
3-Nitroaniline	28.16	25.00	AVRG	-12.6	
2,4-Dinitrophenol	149.2	50.00	AVRG	-99.9	
Dibenzofuran	25.65	25.00	AVRG	-2.6	

<- Outside QC limits

FORM VII SV-1

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 09/13/06

Init. Calib. Date: 08/10/06 Cont. Calib. Time: 1457

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D	
4-Nitrophenol	30.93	25.00	AVRG	-23.7		
2,4-Dinitrotoluene	28.55	25.00	AVRG	-14.2		
Fluorene	26.19	25.00	AVRG	-4.8		
4-Chlorophenyl-phenylether	25.25	25.00	AVRG	-1.0		
Diethylphthalate	25.13	25.00	AVRG	-0.5		
4-Nitroaniline	29.86	25.00	AVRG	-19.4		
4,6-Dinitro-2-methylphenol	97.48	50.00	AVRG	-95.0		
N-Nitrosodiphenylamine(1)	23.83	25.00	AVRG	4.7		
4-Bromophenyl-phenylether	24.93	25.00	AVRG	0.3		
Hexachlorobenzene	25.10	25.00	AVRG	-0.4		
Pentachlorophenol	30.29	25.00	AVRG	-21.2	20.0	<-
Phenanthrene	26.24	25.00	2ORDR	-5.0		
Anthracene	24.91	25.00	AVRG	0.4		
Carbazole	28.09	25.00	2ORDR	-12.4		
Di-n-butylphthalate	25.19	25.00	AVRG	-0.8		
Fluoranthene	25.36	25.00	AVRG	-1.4	20.0	
Pyrene	24.61	25.00	AVRG	1.6		
Butylbenzylphthalate	26.15	25.00	AVRG	-4.6		
Benzo(a)anthracene	26.82	25.00	AVRG	-7.3		
3,3'-Dichlorobenzidine	29.60	25.00	AVRG	-18.4		
Chrysene	24.29	25.00	AVRG	2.8		
bis(2-Ethylhexyl)phthalate	25.58	25.00	AVRG	-2.3		
Di-n-octylphthalate	24.99	25.00	AVRG	0.0	20.0	
Benzo(b)fluoranthene	25.66	25.00	AVRG	-2.6		
Benzo(k)fluoranthene	28.10	25.00	2ORDR	-12.4		
Benzo(a)pyrene	25.12	25.00	AVRG	-0.5	20.0	
Indeno(1,2,3-cd)pyrene	24.40	25.00	AVRG	2.4		
Dibenzo(a,h)anthracene	24.77	25.00	AVRG	0.9		
Benzo(g,h,i)perylene	23.16	25.00	AVRG	7.4		
N-Nitrosodimethylamine	23.71	25.00	AVRG	5.2		
Aniline	25.78	25.00	AVRG	-3.1		
Benzidine	27.98	25.00	AVRG	-11.9		
Pyridine	24.23	25.00	AVRG	3.1		
1-methylnaphthalene	25.75	25.00	AVRG	-3.0		
Azobenzene (1,2-DP-Hydrazine	24.31	25.00	AVRG	2.8		

(1) Cannot be separated from Diphenylamine

<- Outside QC limits

FORM VII SV-2

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 09/13/06

Init. Calib. Date: 08/10/06 Cont. Calib. Time: 1457

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D
2-Fluorophenol	25.64	25.00	AVRG	-2.6	
Phenol-d5	25.35	25.00	AVRG	-1.4	
2-Chlorophenol-d4	25.23	25.00	AVRG	-0.9	
1,2-Dichlorobenzene-d4	27.06	25.00	AVRG	-8.2	
Nitrobenzene-d5	24.85	25.00	AVRG	0.6	
2-Fluorobiphenyl	25.83	25.00	AVRG	-3.3	
2,4,6-Tribromophenol	31.06	25.00	AVRG	-24.2	
Terphenyl-d14	25.78	25.00	AVRG	-3.1	

<- Outside QC limits

FORM VII SV-3

Data File: /chem1/nt6.i/20060913.b/cc0913.d
Report Date: 13-Sep-2006 15:39

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0913.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060913.b/SW846.m

Injection Date: 13-SEP-2006 14:57
Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Init. Cal. Times: 08:50 18:27
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.54820	1.58760	1.58760	0.010	-2.54518	100	Averaged
$ 2 Phenol-d5	1.79676	1.82174	1.82174	0.010	-1.39014	100	Averaged
3 Phenol	2.10759	1.90643	1.90643	0.010	9.54477	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.45851	1.47214	1.47214	0.010	-0.93449	100	Averaged
4 Bis(2-Chloroethyl)ether	1.56913	1.43194	1.43194	0.010	8.74288	100	Averaged
6 2-Chlorophenol	1.38909	1.45060	1.45060	0.010	-4.42841	100	Averaged
7 1,3-Dichlorobenzene	1.49640	1.53112	1.53112	0.010	-2.31990	100	Averaged
9 1,4-Dichlorobenzene	1.50423	1.54720	1.54720	0.010	-2.85663	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.89415	0.96797	0.96797	0.010	-8.25532	100	Averaged
12 1,2-Dichlorobenzene	1.40284	1.41933	1.41933	0.010	-1.17572	100	Averaged
11 Benzyl alcohol	1.05008	1.00370	1.00370	0.010	4.41661	100	Averaged
14 2,2'-oxybis(1-Chloropropane	2.33892	1.89880	1.89880	0.010	18.81710	100	Averaged
13 2-Methylphenol	1.38969	1.45092	1.45092	0.010	-4.40627	100	Averaged
17 Hexachloroethane	0.61040	0.63884	0.63884	0.010	-4.65925	100	Averaged
16 N-Nitroso-di-n-propylamine	1.25046	1.13002	1.13002	0.050	9.63123	100	Averaged
15 4-Methylphenol	1.42327	1.50775	1.50775	0.010	-5.93534	100	Averaged
$ 18 Nitrobenzene-d5	0.49221	0.48917	0.48917	0.010	0.61775	100	Averaged
19 Nitrobenzene	0.46927	0.45358	0.45358	0.010	3.34335	100	Averaged
20 Isophorone	0.83129	0.77786	0.77786	0.010	6.42721	100	Averaged
21 2-Nitrophenol	0.18984	0.22424	0.22424	0.010	-18.11765	20.00000	Averaged
22 2,4-Dimethylphenol	0.39995	0.41231	0.41231	0.010	-3.09083	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.50496	0.49842	0.49842	0.010	1.29465	100	Averaged
24 Benzoic acid	0.27999	0.29767	0.29767	0.010	-6.31694	100	Averaged
25 2,4-Dichlorophenol	0.27630	0.31546	0.31546	0.010	-14.17379	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.29987	0.31811	0.31811	0.010	-6.08181	100	Averaged
28 Naphthalene	27.21556	25.00000	1.06124	0.010	-8.86223	100	Quadratic
29 4-Chloroaniline	0.44677	0.48521	0.48521	0.010	-8.60375	100	Averaged
30 Hexachlorobutadiene	0.14421	0.15225	0.15225	0.010	-5.57761	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.33372	0.35249	0.35249	0.010	-5.62263	20.00000	Averaged
32 2-Methylnaphthalene	0.55233	0.56911	0.56911	0.010	-3.03668	100	Averaged
33 Hexachlorocyclopentadiene	0.20892	0.28850	0.28850	0.050	-38.08908	100	Averaged
34 2,4,6-Trichlorophenol	0.33087	0.37615	0.37615	0.010	-13.68532	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.35580	0.39599	0.39599	0.010	-11.29587	100	Averaged
$ 36 2-Fluorobiphenyl	1.28797	1.33060	1.33060	0.010	-3.30969	100	Averaged
37 2-Chloronaphthalene	1.13352	1.15512	1.15512	0.010	-1.90498	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0913.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060913.b/SW846.m

Injection Date: 13-SEP-2006 14:57
Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Init. Cal. Times: 08:50 18:27
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Nitroaniline	0.44756	0.43338	0.43338	0.010	3.16920	100	Averaged	
39 Dimethylphthalate	1.22216	1.21617	1.21617	0.010	0.48951	100	Averaged	
40 Acenaphthylene	1.82526	1.75180	1.75180	0.010	4.02510	100	Averaged	
41 2,6-Dinitrotoluene	0.26604	0.30591	0.30591	0.010	-14.98969	100	Averaged	
43 3-Nitroaniline	0.33999	0.38301	0.38301	0.010	-12.65365	100	Averaged	
44 Acenaphthene	1.13947	1.11860	1.11860	0.010	1.83124	20.00000	Averaged	
45 2,4-Dinitrophenol	0.05277	0.15744	0.15744	0.050	-198	100	Averaged	<-
46 Dibenzofuran	1.51768	1.55697	1.55697	0.010	-2.58932	100	Averaged	
47 4-Nitrophenol	0.17248	0.21341	0.21341	0.050	-23.72754	100	Averaged	
48 2,4-Dinitrotoluene	0.34682	0.39601	0.39601	0.010	-14.18221	100	Averaged	
50 Diethylphthalate	1.24518	1.25167	1.25167	0.010	-0.52170	100	Averaged	
49 Fluorene	1.26528	1.32567	1.32567	0.010	-4.77271	100	Averaged	
51 4-Chlorophenyl-phenylether	0.56133	0.56703	0.56703	0.010	-1.01483	100	Averaged	
52 4-Nitroaniline	0.33133	0.39570	0.39570	0.010	-19.42904	100	Averaged	
53 4,6-Dinitro-2-methylphenol	0.07906	0.15413	0.15413	0.010	-94.95292	100	Averaged	
54 N-Nitrosodiphenylamine	0.41678	0.39733	0.39733	0.010	4.66687	20.00000	Averaged	
$ 55 2,4,6-Tribromophenol	0.14106	0.17523	0.17523	0.010	-24.22279	100	Averaged	
56 4-Bromophenyl-phenylether	0.19673	0.19617	0.19617	0.010	0.28570	100	Averaged	
57 Hexachlorobenzene	0.21546	0.21634	0.21634	0.010	-0.40907	100	Averaged	
58 Pentachlorophenol	0.11478	0.13908	0.13908	0.010	-21.17266	20.00000	Averaged	<-
60 Phenanthrene	26.23521	25.00000	1.17495	0.010	-4.94085	100	Quadratic	
61 Anthracene	1.19564	1.19126	1.19126	0.010	0.36684	100	Averaged	
62 Carbazole	28.09426	25.00000	1.17941	0.010	-12.37703	100	Quadratic	
63 Di-n-butylphthalate	1.36965	1.38024	1.38024	0.010	-0.77259	100	Averaged	
64 Fluoranthene	1.18022	1.19709	1.19709	0.010	-1.42891	20.00000	Averaged	
65 Pyrene	1.70207	1.67566	1.67566	0.010	1.55162	100	Averaged	
$ 66 Terphenyl-d14	1.03340	1.06562	1.06562	0.010	-3.11783	100	Averaged	
67 Butylbenzylphthalate	0.84270	0.88147	0.88147	0.010	-4.60103	100	Averaged	
68 Benzo(a)anthracene	1.32238	1.41863	1.41863	0.010	-7.27840	100	Averaged	
70 3,3'-Dichlorobenzidine	0.46463	0.55008	0.55008	0.010	-18.39126	100	Averaged	
71 Chrysene	1.33219	1.29445	1.29445	0.010	2.83316	100	Averaged	
72 bis(2-Ethylhexyl)phthalate	0.52210	0.53424	0.53424	0.010	-2.32504	100	Averaged	
73 Di-n-octylphthalate	0.87653	0.87630	0.87630	0.010	0.02648	20.00000	Averaged	
74 Benzo(b)fluoranthene	1.24397	1.27665	1.27665	0.010	-2.62664	100	Averaged	
75 Benzo(k)fluoranthene	28.09657	25.00000	1.32269	0.010	-12.38627	100	Quadratic	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 13-SEP-2006 14:57
Lab File ID: cc0913.d Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Analysis Type: Init. Cal. Times: 08:50 18:27
Lab Sample ID: ABN 25 Quant Type: ISTD
Method: /chem1/nt6.i/20060913.b/SW846.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
76 Benzo(a)pyrene	1.13257	1.13801	1.13801	0.010	-0.48047	20.00000	Averaged
78 Indeno(1,2,3-cd)pyrene	1.41899	1.38473	1.38473	0.010	2.41439	100	Averaged
79 Dibenzo(a,h)anthracene	1.17596	1.16505	1.16505	0.010	0.92724	100	Averaged
80 Benzo(g,h,i)perylene	1.31091	1.21448	1.21448	0.010	7.35580	100	Averaged
90 N-Nitrosodimethylamine	1.07294	1.01778	1.01778	0.010	5.14113	100	Averaged
103 Pyridine	1.82269	1.76684	1.76684	0.010	3.06373	100	Averaged
91 Aniline	2.36202	2.43599	2.43599	0.010	-3.13129	100	Averaged
105 1-methylnaphthalene	0.56242	0.57924	0.57924	0.010	-2.99102	100	Averaged
93 Benzidine	0.81682	0.91406	0.91406	0.010	-11.90498	100	Averaged
98 Retene	0.67956	0.68171	0.68171	0.010	-0.31574	100	Averaged
111 Azobenzene (1,2-DP-Hydrazin	1.61695	1.57243	1.57243	0.010	2.75316	100	Averaged
144 alpha-Terpineol	0.30455	0.16742	0.16742	0.010	45.02867	100	Averaged
143 1,4-Dioxane	0.71798	0.68528	0.68528	0.010	4.55551	100	Averaged
$ 137 d8-1,4-Dioxane	0.67018	0.66739	0.66739	0.010	0.41670	100	Averaged
133 Butylatedhydroxytoluene	0.90169	0.90266	0.90266	0.010	-0.10667	100	Averaged
115 Tributyl Phosphate	1.16205	1.13047	1.13047	0.010	2.71745	100	Averaged
116 Dibutyl Phenyl Phosphate	0.80086	0.86921	0.86921	0.010	-8.53508	100	Averaged
117 Butyl Diphenyl Phosphate	0.38569	0.39238	0.39238	0.010	-1.73347	100	Averaged
118 Triphenyl Phosphate	0.23566	0.25054	0.25054	0.010	-6.31457	100	Averaged

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/cc0913.d
Lab Smp Id: ABN 25
Inj Date : 13-SEP-2006 14:57
Operator : LJR/vts Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:06 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 9/14/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	4.455	4.455	(0.701)	471076	25.0000	25.64
$	2 Phenol-d5	99	6.068	6.068	(0.955)	540549	25.0000	25.35
	3 Phenol	94	6.084	6.084	(0.957)	565678	25.0000	22.61
$	5 2-Chlorophenol-d4	132	6.084	6.084	(0.957)	436815	25.0000	25.23
	4 Bis(2-Chloroethyl)ether	93	6.079	6.079	(0.956)	424887	25.0000	22.81
	6 2-Chlorophenol	128	6.111	6.111	(0.961)	430424	25.0000	26.11
	7 1,3-Dichlorobenzene	146	6.287	6.287	(0.989)	454315	25.0000	25.58
*	8 1,4-Dichlorobenzene-d4	152	6.357	6.357	(1.000)	237377	20.0000	
	9 1,4-Dichlorobenzene	146	6.384	6.384	(1.004)	459086	25.0000	25.71
$	10 1,2-Dichlorobenzene-d4	152	6.645	6.645	(1.045)	287216	25.0000	27.06
	12 1,2-Dichlorobenzene	146	6.667	6.667	(1.049)	421146	25.0000	25.29
	11 Benzyl alcohol	108	6.693	6.693	(1.053)	297820	25.0000	23.90
	14 2,2'-oxybis(1-Chloropropane)	45	6.950	6.950	(1.093)	563415	25.0000	20.30
	13 2-Methylphenol	108	6.987	6.987	(1.099)	430520	25.0000	26.10
	17 Hexachloroethane	117	7.142	7.142	(1.124)	189557	25.0000	26.16
	16 N-Nitroso-di-n-propylamine	70	7.164	7.164	(1.127)	335302	25.0000	22.59
	15 4-Methylphenol	108	7.222	7.222	(1.136)	447380	25.0000	26.48
$	18 Nitrobenzene-d5	82	7.286	7.286	(0.870)	526086	25.0000	24.85
	19 Nitrobenzene	77	7.318	7.318	(0.874)	487811	25.0000	24.16
	20 Isophorone	82	7.708	7.708	(0.921)	836566	25.0000	23.39
	21 2-Nitrophenol	139	7.831	7.831	(0.936)	241160	25.0000	29.53
	22 2,4-Dimethylphenol	107	8.029	8.029	(0.959)	443428	25.0000	25.77
	23 Bis(2-Chloroethoxy)methane	93	8.141	8.141	(0.973)	536036	25.0000	24.68
	24 Benzoic acid	105	8.355	8.355	(0.998)	640277	50.0000	53.16(M)
	25 2,4-Dichlorophenol	162	8.243	8.243	(0.985)	339268	25.0000	28.54
	26 1,2,4-Trichlorobenzene	180	8.328	8.328	(0.995)	342116	25.0000	26.52
*	27 Naphthalene-d8	136	8.371	8.371	(1.000)	860372	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	8.403	8.403	(1.004)	1141322	25.0000	27.22
	29 4-Chloroaniline	127	8.590	8.590	(1.026)	521821	25.0000	27.15
	30 Hexachlorobutadiene	225	8.745	8.745	(1.045)	163743	25.0000	26.39
	31 4-Chloro-3-methylphenol	107	9.466	9.466	(1.131)	379089	25.0000	26.41
	32 2-Methylnaphthalene	141	9.514	9.514	(1.137)	612055	25.0000	25.76
	33 Hexachlorocyclopentadiene	237	9.904	9.904	(0.885)	178370	25.0000	34.52
	34 2,4,6-Trichlorophenol	196	10.059	10.059	(0.899)	232562	25.0000	28.42
	35 2,4,5-Trichlorophenol	196	10.123	10.123	(0.905)	244831	25.0000	27.82
$	36 2-Fluorobiphenyl	172	10.177	10.177	(0.910)	822674	25.0000	25.83
	37 2-Chloronaphthalene	162	10.278	10.278	(0.919)	714178	25.0000	25.48
	38 2-Nitroaniline	65	10.540	10.540	(0.942)	267945	25.0000	24.21
	39 Dimethylphthalate	163	10.940	10.940	(0.978)	751928	25.0000	24.88
	40 Acenaphthylene	152	10.935	10.935	(0.978)	1083089	25.0000	23.99
	41 2,6-Dinitrotoluene	165	11.021	11.021	(0.985)	189139	25.0000	28.75
*	42 Acenaphthene-d10	164	11.186	11.186	(1.000)	494619	20.0000	
	43 3-Nitroaniline	138	11.218	11.218	(1.003)	236805	25.0000	28.16
	44 Acenaphthene	153	11.240	11.240	(1.005)	691603	25.0000	24.54
	45 2,4-Dinitrophenol	184	11.379	11.379	(1.017)	194687	50.0000	149.2
	46 Dibenzofuran	168	11.501	11.501	(1.028)	962636	25.0000	25.65
	47 4-Nitrophenol	109	11.624	11.624	(1.039)	131943	25.0000	30.93
	48 2,4-Dinitrotoluene	165	11.624	11.624	(1.039)	244842	25.0000	28.55
	50 Diethylphthalate	149	12.094	12.094	(1.081)	773877	25.0000	25.13
	49 Fluorene	166	12.046	12.046	(1.077)	819627	25.0000	26.19
	51 4-Chlorophenyl-phenylether	204	12.110	12.110	(1.083)	350580	25.0000	25.25
	52 4-Nitroaniline	138	12.201	12.201	(1.091)	244650	25.0000	29.86
	53 4,6-Dinitro-2-methylphenol	198	12.271	12.271	(0.908)	294331	50.0000	97.48
	54 N-Nitrosodiphenylamine	169	12.324	12.324	(0.912)	379373	25.0000	23.83
$	55 2,4,6-Tribromophenol	330	12.474	12.474	(1.115)	108340	25.0000	31.06
	56 4-Bromophenyl-phenylether	248	12.869	12.869	(0.952)	187309	25.0000	24.93
	57 Hexachlorobenzene	284	13.051	13.051	(0.966)	206568	25.0000	25.10
	58 Pentachlorophenol	266	13.376	13.376	(0.990)	132797	25.0000	30.29
*	59 Phenanthrene-d10	188	13.515	13.515	(1.000)	763854	20.0000	
	60 Phenanthrene	178	13.553	13.553	(1.003)	1121863	25.0000	26.24
	61 Anthracene	178	13.622	13.622	(1.008)	1137433	25.0000	24.91
	62 Carbazole	167	13.937	13.937	(1.031)	1126120	25.0000	28.09
	63 Di-n-butylphthalate	149	14.717	14.717	(1.089)	1317874	25.0000	25.19
	64 Fluoranthene	202	15.449	15.449	(1.143)	1142998	25.0000	25.36
	65 Pyrene	202	15.786	15.786	(0.889)	1185508	25.0000	24.61
$	66 Terphenyl-d14	244	16.170	16.170	(0.910)	753911	25.0000	25.78
	67 Butylbenzylphthalate	149	17.089	17.089	(0.962)	623629	25.0000	26.15
	68 Benzo(a)anthracene	228	17.736	17.736	(0.998)	1003664	25.0000	26.82
*	69 Chrysene-d12	240	17.762	17.762	(1.000)	565991	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.794	17.794	(1.002)	389174	25.0000	29.60
	71 Chrysene	228	17.800	17.800	(1.002)	915808	25.0000	24.29
	72 bis(2-Ethylhexyl)phthalate	149	18.120	18.120	(0.951)	851421	25.0000	25.58
*	134 Di-n-octylphthalate-d4	153	19.044	19.044	(1.000)	1274966	20.0000	
	73 Di-n-octylphthalate	149	19.055	19.055	(1.001)	1396561	25.0000	24.99

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	19.365	19.365	(0.974)	1007717	25.0000	25.66
75	Benzo(k)fluoranthene	252	19.402	19.402	(0.976)	1044060	25.0000	28.10
76	Benzo(a)pyrene	252	19.792	19.792	(0.996)	898285	25.0000	25.12
* 77	Perylene-d12	264	19.872	19.872	(1.000)	631478	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.213	21.213	(1.067)	1093032	25.0000	24.40
79	Dibenzo(a,h)anthracene	278	21.251	21.251	(1.069)	919632	25.0000	24.77
80	Benzo(g,h,i)perylene	276	21.502	21.502	(1.082)	958649	25.0000	23.16
90	N-Nitrosodimethylamine	74	1.891	1.891	(0.297)	301998	25.0000	23.71
103	Pyridine	79	1.869	1.869	(0.294)	524260	25.0000	24.23
91	Aniline	93	5.940	5.940	(0.934)	722809	25.0000	25.78
105	1-methylnaphthalene	141	9.680	9.680	(1.156)	622952	25.0000	25.75
93	Benzidine	184	15.754	15.754	(0.887)	646689	25.0000	27.98
98	Retene	219	16.395	16.395	(0.923)	482301	25.0000	25.08
111	Azobenzene (1,2-DP-Hydrazine)	77	12.351	12.351	(1.104)	972192	25.0000	24.31
144	alpha-Terpineol	59	8.478	8.478	(1.013)	180051	25.0000	13.74
143	1,4-Dioxane	88	1.501	1.501	(0.236)	203336	25.0000	23.86
$ 137	d8-1,4-Dioxane	96	1.474	1.474	(0.232)	198028	25.0000	24.90
133	Butylatedhydroxytoluene	205	11.437	11.437	(1.022)	558089	25.0000	25.03
115	Tributyl Phosphate	99	12.500	12.500	(0.925)	1079394	25.0000	24.32
116	Dibutyl Phenyl Phosphate	175	14.172	14.172	(1.049)	829940	25.0000	27.13
117	Butyl Diphenyl Phosphate	94	15.818	15.818	(0.891)	277605	25.0000	25.43
118	Triphenyl Phosphate	326	17.383	17.383	(0.979)	177255	25.0000	26.58

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: cc0913.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info:

Calibration Date: 13-SEP-2006
Calibration Time: 13:19

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	290208	145104	580416	237377	-18.20
27 Naphthalene-d8	1044790	522395	2089580	860372	-17.65
42 Acenaphthene-d10	598839	299420	1197678	494619	-17.40
59 Phenanthrene-d10	888467	444234	1776934	763854	-14.03
69 Chrysene-d12	669145	334572	1338290	565991	-15.42
134 Di-n-octylphthala	1525196	762598	3050392	1274966	-16.41
77 Perylene-d12	755532	377766	1511064	631478	-16.42

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.40	5.90	6.90	6.36	-0.64
27 Naphthalene-d8	8.42	7.92	8.92	8.37	-0.55
42 Acenaphthene-d10	11.23	10.73	11.73	11.19	-0.41
59 Phenanthrene-d10	13.57	13.07	14.07	13.52	-0.38
69 Chrysene-d12	17.82	17.32	18.32	17.76	-0.32
134 Di-n-octylphthala	19.10	18.60	19.60	19.04	-0.27
77 Perylene-d12	19.93	19.43	20.43	19.87	-0.31

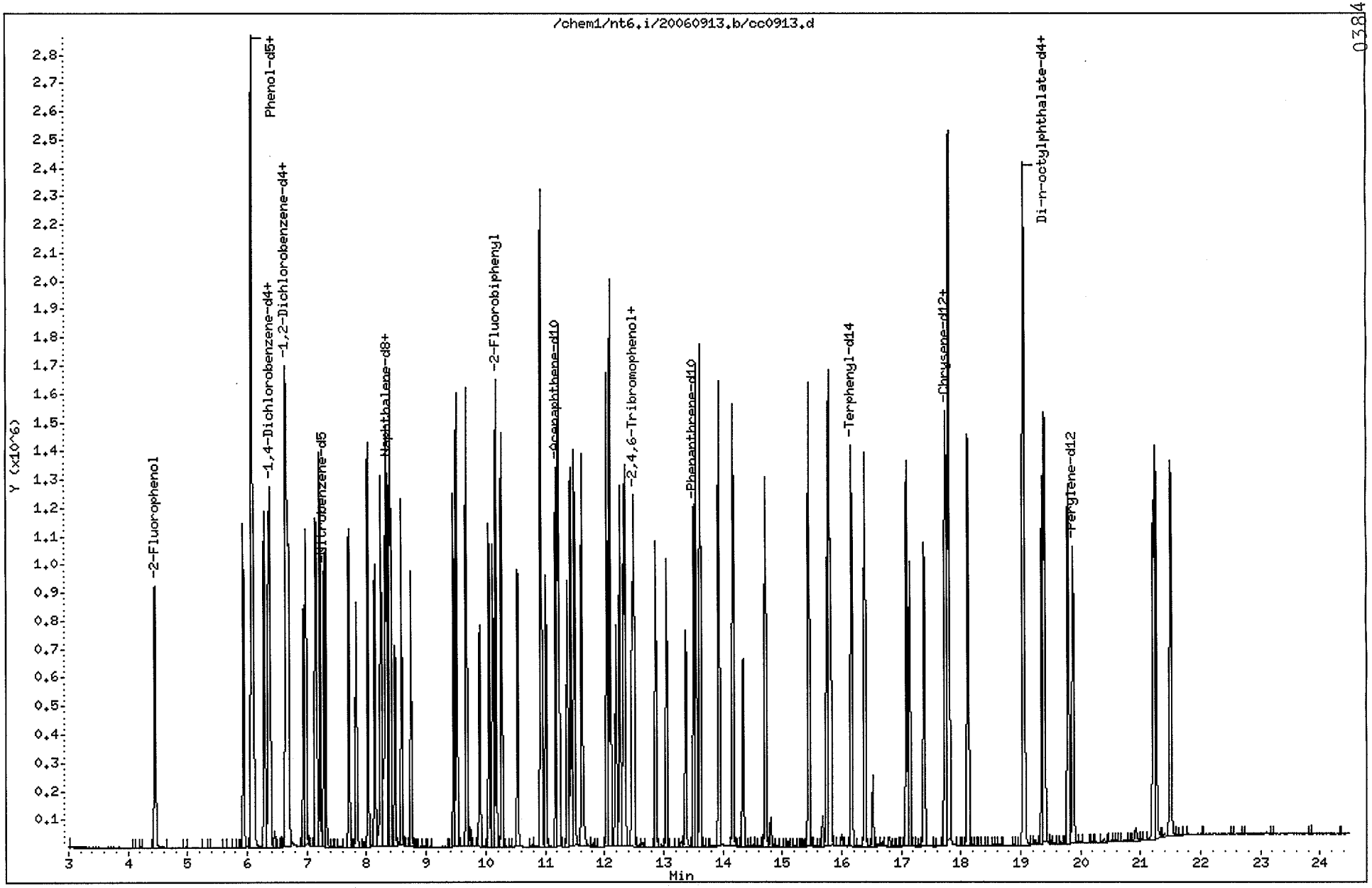
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060913.b/cc0913.d
Date : 13-SEP-2006 14:57
Client ID:
Sample Info: ABN 25

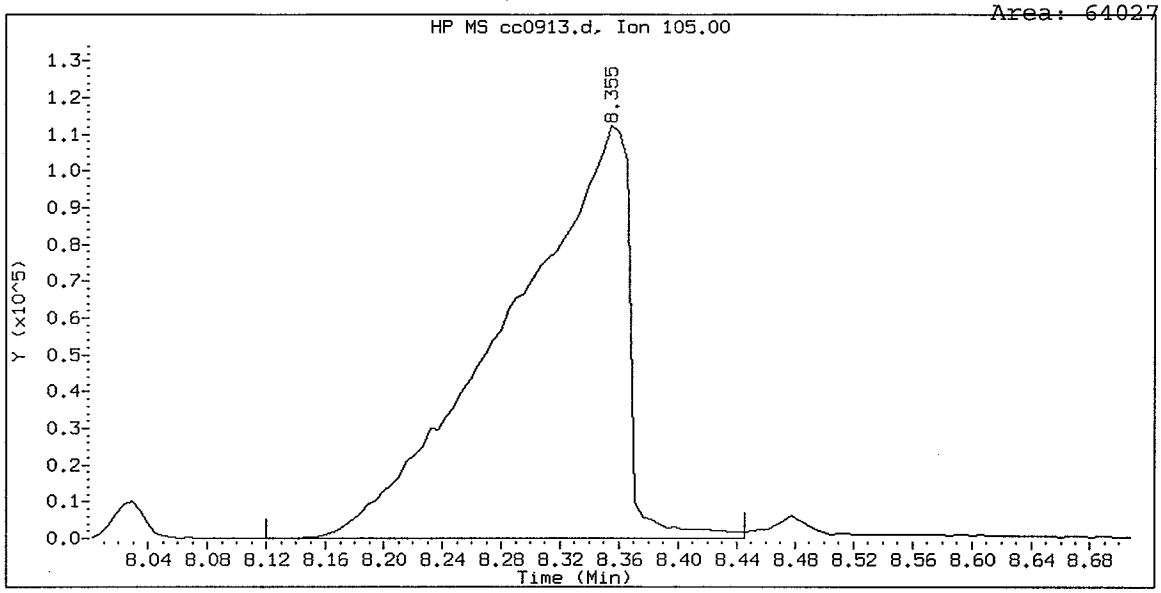
Instrument: nt6.i

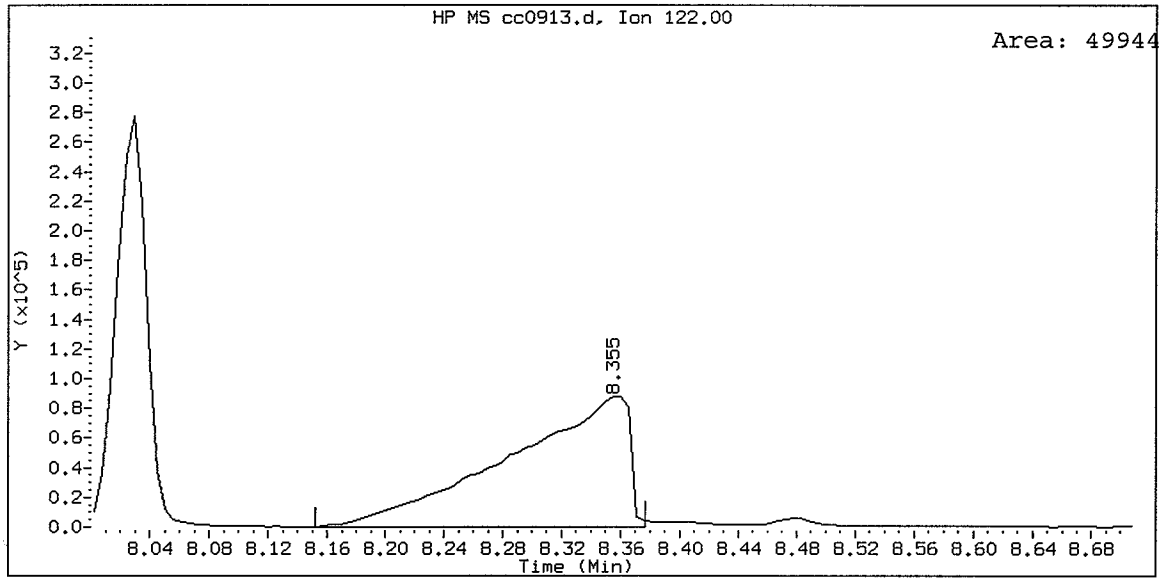
Operator: LJR/vts
Column diameter: 0.32

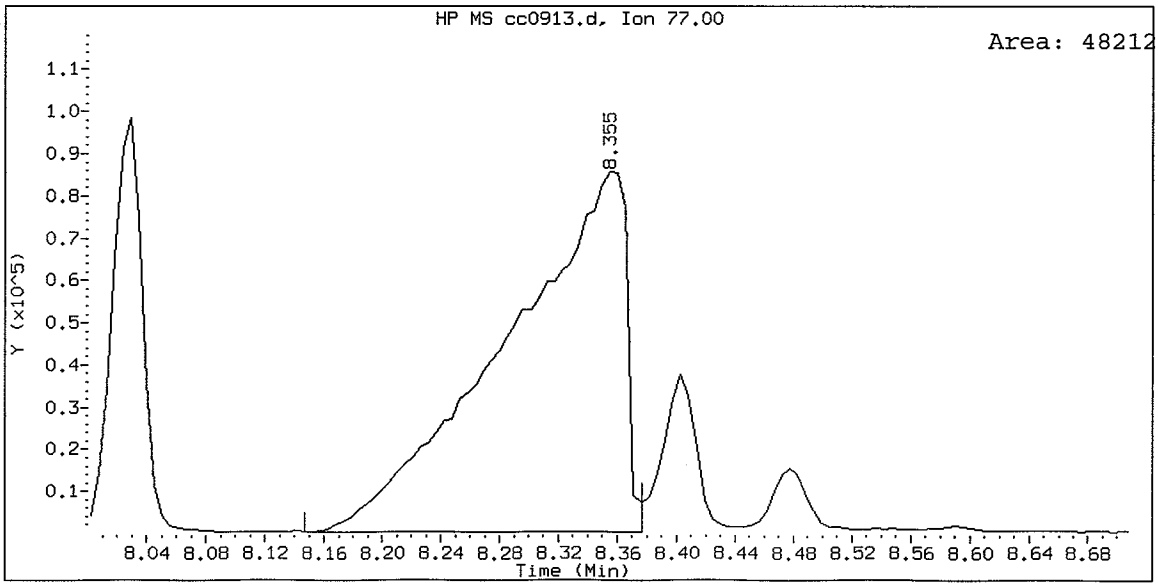
Column phase: ZB-5



ABN 25, /chem1/nt6.i/20060913.b/cc0913.d
Benzoic acid Amount: 53.16







Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20060913.b/ddt.b/cc0913.d
Method: /chem1/nt6.i/20060913.b/ddt.b/sw846ddt.m
Analysis Date: 13-SEP-2006 14:57

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	13.376	132650
Benzidine	15.754	637374
4,4'-DDE	----	----
4,4'-DDD	16.678	5280
4,4'-DDT	17.143	308608

LJK 9/14/06

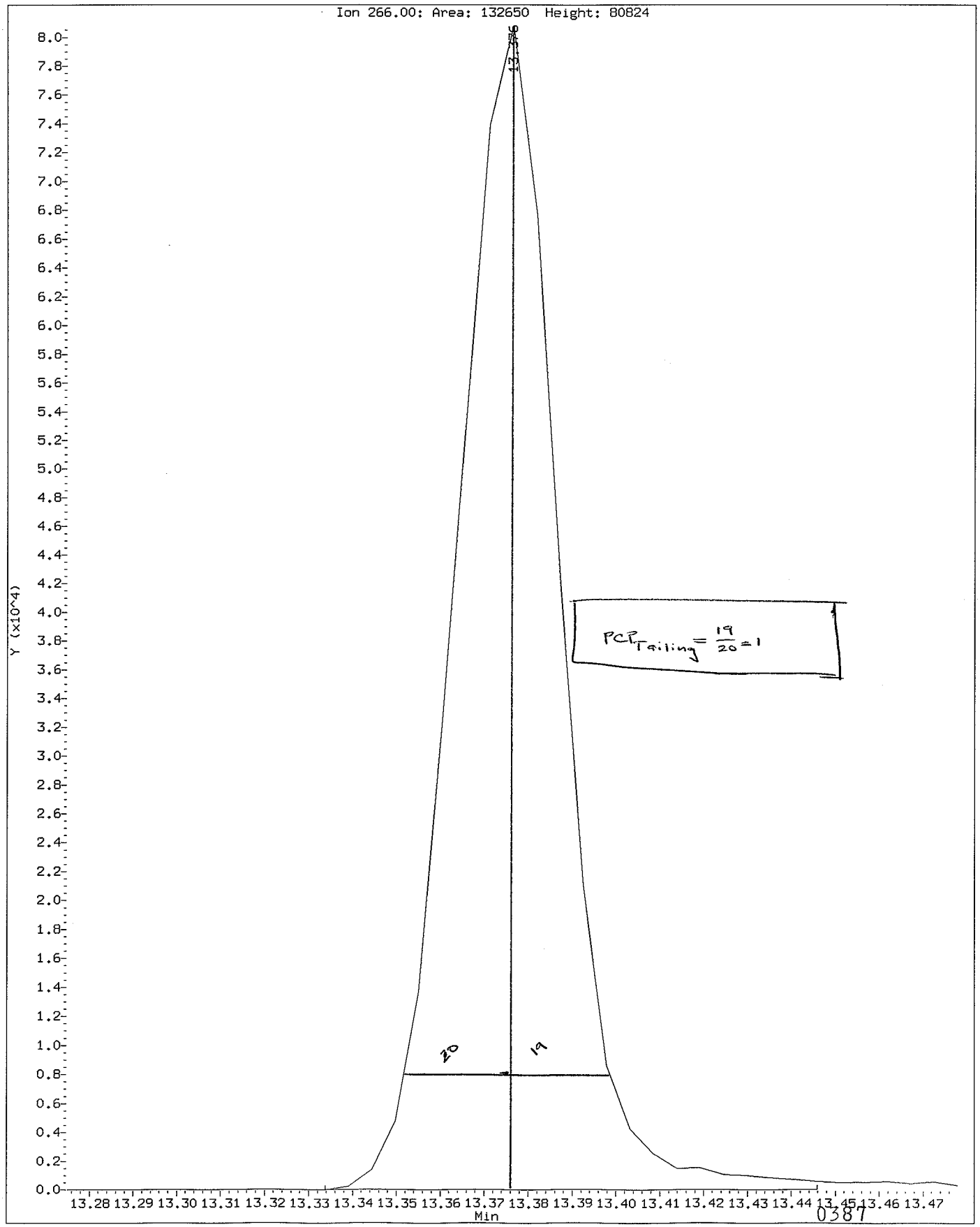
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 5280) * 100}{(0 + 5280 + 308608)}$$

DDT Percent Breakdown = 1.7 %

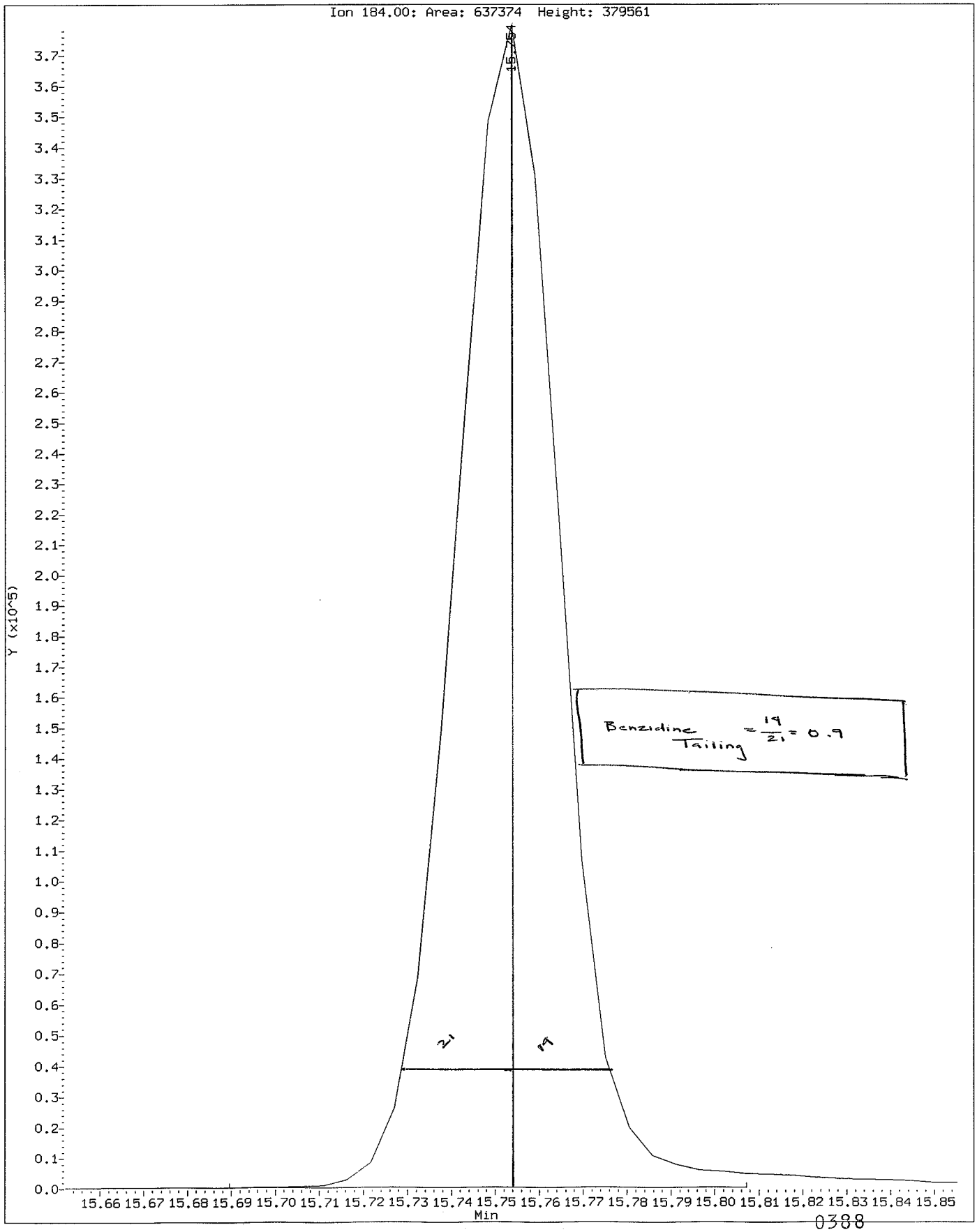
Data File: /chem1/nt6.i/20060913.b/ddt.b/cc0913.d
Injection Date: 13-SEP-2006 14:57
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20060913.b/ddt.b/cc0913.d
Injection Date: 13-SEP-2006 14:57
Instrument: nt6.i
Client Sample ID:

Compound: Benzidine
CAS Number:



7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 09/14/06

Init. Calib. Date: 08/10/06 Cont. Calib. Time: 0925

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D
Phenol	23.04	25.00	AVRG	7.8	20.0
Bis(2-Chloroethyl)ether	23.19	25.00	AVRG	7.2	
2-Chlorophenol	25.67	25.00	AVRG	-2.7	
1,3-Dichlorobenzene	25.57	25.00	AVRG	-2.3	
1,4-Dichlorobenzene	26.05	25.00	AVRG	-4.2	20.0
1,2-Dichlorobenzene	25.57	25.00	AVRG	-2.3	
Benzyl alcohol	23.33	25.00	AVRG	6.7	
2,2'-oxybis(1-Chloropropane)	19.87	25.00	AVRG	20.5	
2-Methylphenol	25.24	25.00	AVRG	-1.0	
Hexachloroethane	26.14	25.00	AVRG	-4.6	
N-Nitroso-di-n-propylamine	21.40	25.00	AVRG	14.4	
4-Methylphenol	25.43	25.00	AVRG	-1.7	
Nitrobenzene	23.91	25.00	AVRG	4.4	
Isophorone	22.77	25.00	AVRG	8.9	
2-Nitrophenol	29.67	25.00	AVRG	-18.7	20.0
2,4-Dimethylphenol	25.38	25.00	AVRG	-1.5	
Bis(2-Chloroethoxy)methane	24.04	25.00	AVRG	3.8	
2,4-Dichlorophenol	28.42	25.00	AVRG	-13.7	20.0
1,2,4-Trichlorobenzene	26.74	25.00	AVRG	-7.0	
Naphthalene	27.11	25.00	2ORDR	-8.4	
Benzoic acid	48.48	50.00	AVRG	3.0	
4-Chloroaniline	25.87	25.00	AVRG	-3.5	
Hexachlorobutadiene	26.39	25.00	AVRG	-5.6	20.0
4-Chloro-3-methylphenol	24.87	25.00	AVRG	0.5	20.0
2-Methylnaphthalene	25.47	25.00	AVRG	-1.9	
Hexachlorocyclopentadiene	33.64	25.00	AVRG	-34.6	
2,4,6-Trichlorophenol	28.52	25.00	AVRG	-14.1	20.0
2,4,5-Trichlorophenol	27.81	25.00	AVRG	-11.2	
2-Chloronaphthalene	25.83	25.00	AVRG	-3.3	
2-Nitroaniline	22.30	25.00	AVRG	10.8	
Acenaphthylene	24.41	25.00	AVRG	2.4	
Dimethylphthalate	24.04	25.00	AVRG	3.8	
2,6-Dinitrotoluene	27.38	25.00	AVRG	-9.5	
Acenaphthene	24.38	25.00	AVRG	2.5	20.0
3-Nitroaniline	24.53	25.00	AVRG	1.9	
2,4-Dinitrophenol	136.2	50.00	AVRG	-99.9	
Dibenzofuran	25.16	25.00	AVRG	-0.6	

<- Outside QC limits

FORM VII SV-1

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 09/14/06

Init. Calib. Date: 08/10/06 Cont. Calib. Time: 0925

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D	
4-Nitrophenol	25.24	25.00	AVRG	-1.0		
2,4-Dinitrotoluene	25.76	25.00	AVRG	-3.0		
Fluorene	25.21	25.00	AVRG	-0.8		
4-Chlorophenyl-phenylether	24.44	25.00	AVRG	2.2		
Diethylphthalate	23.31	25.00	AVRG	6.8		
4-Nitroaniline	24.87	25.00	AVRG	0.5		
4,6-Dinitro-2-methylphenol	97.93	50.00	AVRG	-95.9		
N-Nitrosodiphenylamine(1)	23.99	25.00	AVRG	4.0		
4-Bromophenyl-phenylether	26.18	25.00	AVRG	-4.7		
Hexachlorobenzene	26.15	25.00	AVRG	-4.6		
Pentachlorophenol	30.73	25.00	AVRG	-22.9	20.0	<-
Phenanthrene	26.71	25.00	2ORDR	-6.8		
Anthracene	25.05	25.00	AVRG	-0.2		
Carbazole	26.54	25.00	2ORDR	-6.2		
Di-n-butylphthalate	24.61	25.00	AVRG	1.6		
Fluoranthene	24.13	25.00	AVRG	3.5	20.0	
Pyrene	25.21	25.00	AVRG	-0.8		
Butylbenzylphthalate	25.64	25.00	AVRG	-2.6		
Benzo(a)anthracene	26.57	25.00	AVRG	-6.3		
3,3'-Dichlorobenzidine	28.48	25.00	AVRG	-13.9		
Chrysene	24.34	25.00	AVRG	2.6		
bis(2-Ethylhexyl)phthalate	24.05	25.00	AVRG	3.8		
Di-n-octylphthalate	25.00	25.00	AVRG	0.0	20.0	
Benzo(b)fluoranthene	26.38	25.00	AVRG	-5.5		
Benzo(k)fluoranthene	24.48	25.00	2ORDR	2.1		
Benzo(a)pyrene	24.98	25.00	AVRG	0.1	20.0	
Indeno(1,2,3-cd)pyrene	27.21	25.00	AVRG	-8.8		
Dibenzo(a,h)anthracene	27.49	25.00	AVRG	-10.0		
Benzo(g,h,i)perylene	26.62	25.00	AVRG	-6.5		
N-Nitrosodimethylamine	22.83	25.00	AVRG	8.7		
Aniline	24.97	25.00	AVRG	0.1		
Benzidine	21.11	25.00	AVRG	15.6		
Pyridine	23.89	25.00	AVRG	4.4		
1-methylnaphthalene	25.01	25.00	AVRG	-0.0		
Azobenzene (1,2-DP-Hydrazine	22.70	25.00	AVRG	9.2		

(1) Cannot be separated from Diphenylamine

<- Outside QC limits

FORM VII SV-2

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Instrument ID: NT6 Cont. Calib. Date: 09/14/06

Init. Calib. Date: 08/10/06 Cont. Calib. Time: 0925

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D
2-Fluorophenol	26.30	25.00	AVRG	-5.2	
Phenol-d5	26.00	25.00	AVRG	-4.0	
2-Chlorophenol-d4	25.75	25.00	AVRG	-3.0	
1,2-Dichlorobenzene-d4	27.02	25.00	AVRG	-8.1	
Nitrobenzene-d5	24.46	25.00	AVRG	2.2	
2-Fluorobiphenyl	26.33	25.00	AVRG	-5.3	
2,4,6-Tribromophenol	28.34	25.00	AVRG	-13.4	
Terphenyl-d14	25.51	25.00	AVRG	-2.0	

<- Outside QC limits

FORM VII SV-3

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0914.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060914.b/SW846.m

Injection Date: 14-SEP-2006 09:25
Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Init. Cal. Times: 08:50 18:27
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.54820	1.62844	1.62844	0.010	-5.18286	100	Averaged
$ 2 Phenol-d5	1.79676	1.86840	1.86840	0.010	-3.98721	100	Averaged
3 Phenol	2.10759	1.94262	1.94262	0.010	7.82754	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.45851	1.50241	1.50241	0.010	-3.00961	100	Averaged
4 Bis(2-Chloroethyl)ether	1.56913	1.45535	1.45535	0.010	7.25084	100	Averaged
6 2-Chlorophenol	1.38909	1.42632	1.42632	0.010	-2.68048	100	Averaged
7 1,3-Dichlorobenzene	1.49640	1.53055	1.53055	0.010	-2.28182	100	Averaged
9 1,4-Dichlorobenzene	1.50423	1.56727	1.56727	0.010	-4.19080	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.89415	0.96633	0.96633	0.010	-8.07204	100	Averaged
12 1,2-Dichlorobenzene	1.40284	1.43510	1.43510	0.010	-2.29939	100	Averaged
11 Benzyl alcohol	1.05008	0.98005	0.98005	0.010	6.66936	100	Averaged
14 2,2'-oxybis(1-Chloropropane	2.33892	1.85868	1.85868	0.010	20.53263	100	Averaged
13 2-Methylphenol	1.38969	1.40298	1.40298	0.010	-0.95612	100	Averaged
17 Hexachloroethane	0.61040	0.63819	0.63819	0.010	-4.55220	100	Averaged
16 N-Nitroso-di-n-propylamine	1.25046	1.07036	1.07036	0.050	14.40269	100	Averaged
15 4-Methylphenol	1.42327	1.44777	1.44777	0.010	-1.72165	100	Averaged
$ 18 Nitrobenzene-d5	0.49221	0.48154	0.48154	0.010	2.16855	100	Averaged
19 Nitrobenzene	0.46927	0.44885	0.44885	0.010	4.35073	100	Averaged
20 Isophorone	0.83129	0.75723	0.75723	0.010	8.90996	100	Averaged
21 2-Nitrophenol	0.18984	0.22534	0.22534	0.010	-18.69845	20.00000	Averaged
22 2,4-Dimethylphenol	0.39995	0.40610	0.40610	0.010	-1.53842	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.50496	0.48561	0.48561	0.010	3.83130	100	Averaged
24 Benzoic acid	0.27999	0.27149	0.27149	0.010	3.03537	100	Averaged
25 2,4-Dichlorophenol	0.27630	0.31415	0.31415	0.010	-13.69968	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.29987	0.32072	0.32072	0.010	-6.95382	100	Averaged
28 Naphthalene	27.11013	25.00000	1.05763	0.010	-8.44054	100	Quadratic
29 4-Chloroaniline	0.44677	0.46226	0.46226	0.010	-3.46806	100	Averaged
30 Hexachlorobutadiene	0.14421	0.15220	0.15220	0.010	-5.54077	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.33372	0.33194	0.33194	0.010	0.53555	20.00000	Averaged
32 2-Methylnaphthalene	0.55233	0.56273	0.56273	0.010	-1.88256	100	Averaged
33 Hexachlorocyclopentadiene	0.20892	0.28109	0.28109	0.050	-34.54408	100	Averaged
34 2,4,6-Trichlorophenol	0.33087	0.37742	0.37742	0.010	-14.06988	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.35580	0.39584	0.39584	0.010	-11.25448	100	Averaged
$ 36 2-Fluorobiphenyl	1.28797	1.35651	1.35651	0.010	-5.32120	100	Averaged
37 2-Chloronaphthalene	1.13352	1.17118	1.17118	0.010	-3.32250	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 14-SEP-2006 09:25
Lab File ID: cc0914.d Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Analysis Type: Init. Cal. Times: 08:50 18:27
Lab Sample ID: ABN 25 Quant Type: ISTD
Method: /chem1/nt6.i/20060914.b/SW846.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Nitroaniline	0.44756	0.39930	0.39930	0.010	10.78396	100	Averaged	
39 Dimethylphthalate	1.22216	1.17502	1.17502	0.010	3.85640	100	Averaged	
40 Acenaphthylene	1.82526	1.78253	1.78253	0.010	2.34126	100	Averaged	
41 2,6-Dinitrotoluene	0.26604	0.29138	0.29138	0.010	-9.52488	100	Averaged	
43 3-Nitroaniline	0.33999	0.33365	0.33365	0.010	1.86564	100	Averaged	
44 Acenaphthene	1.13947	1.11126	1.11126	0.010	2.47567	20.00000	Averaged	
45 2,4-Dinitrophenol	0.05277	0.14376	0.14376	0.050	-172	100	Averaged	<-
46 Dibenzofuran	1.51768	1.52743	1.52743	0.010	-0.64239	100	Averaged	
47 4-Nitrophenol	0.17248	0.17415	0.17415	0.050	-0.97000	100	Averaged	
48 2,4-Dinitrotoluene	0.34682	0.35740	0.35740	0.010	-3.04900	100	Averaged	
50 Diethylphthalate	1.24518	1.16110	1.16110	0.010	6.75225	100	Averaged	
49 Fluorene	1.26528	1.27616	1.27616	0.010	-0.85958	100	Averaged	
51 4-Chlorophenyl-phenylether	0.56133	0.54866	0.54866	0.010	2.25749	100	Averaged	
52 4-Nitroaniline	0.33133	0.32966	0.32966	0.010	0.50371	100	Averaged	
53 4,6-Dinitro-2-methylphenol	0.07906	0.15484	0.15484	0.010	-95.85394	100	Averaged	
54 N-Nitrosodiphenylamine	0.41678	0.39989	0.39989	0.010	4.05151	20.00000	Averaged	
$ 55 2,4,6-Tribromophenol	0.14106	0.15988	0.15988	0.010	-13.34385	100	Averaged	
56 4-Bromophenyl-phenylether	0.19673	0.20601	0.20601	0.010	-4.71321	100	Averaged	
57 Hexachlorobenzene	0.21546	0.22540	0.22540	0.010	-4.61410	100	Averaged	
58 Pentachlorophenol	0.11478	0.14111	0.14111	0.010	-22.93875	20.00000	Averaged	<-
60 Phenanthrene	26.71157	25.00000	1.19378	0.010	-6.84629	100	Quadratic	
61 Anthracene	1.19564	1.19819	1.19819	0.010	-0.21297	100	Averaged	
62 Carbazole	26.53567	25.00000	1.11968	0.010	-6.14268	100	Quadratic	
63 Di-n-butylphthalate	1.36965	1.34816	1.34816	0.010	1.56968	100	Averaged	
64 Fluoranthene	1.18022	1.13906	1.13906	0.010	3.48757	20.00000	Averaged	
65 Pyrene	1.70207	1.71665	1.71665	0.010	-0.85672	100	Averaged	
$ 66 Terphenyl-d14	1.03340	1.05458	1.05458	0.010	-2.04972	100	Averaged	
67 Butylbenzylphthalate	0.84270	0.86443	0.86443	0.010	-2.57864	100	Averaged	
68 Benzo(a)anthracene	1.32238	1.40540	1.40540	0.010	-6.27808	100	Averaged	
70 3,3'-Dichlorobenzidine	0.46463	0.52927	0.52927	0.010	-13.91244	100	Averaged	
71 Chrysene	1.33219	1.29703	1.29703	0.010	2.63957	100	Averaged	
72 bis(2-Ethylhexyl)phthalate	0.52210	0.50231	0.50231	0.010	3.78973	100	Averaged	
73 Di-n-octylphthalate	0.87653	0.87655	0.87655	0.010	-0.00215	20.00000	Averaged	
74 Benzo(b)fluoranthene	1.24397	1.31249	1.31249	0.010	-5.50808	100	Averaged	
75 Benzo(k)fluoranthene	24.47981	25.00000	1.18904	0.010	2.08077	100	Quadratic	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0914.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060914.b/SW846.m

Injection Date: 14-SEP-2006 09:25
Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Init. Cal. Times: 08:50 18:27
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
76 Benzo(a)pyrene	1.13257	1.13165	1.13165	0.010	0.08108	20.00000	Averaged	
78 Indeno(1,2,3-cd)pyrene	1.41899	1.54423	1.54423	0.010	-8.82617	100	Averaged	
79 Dibenzo(a,h)anthracene	1.17596	1.29331	1.29331	0.010	-9.97893	100	Averaged	
80 Benzo(g,h,i)perylene	1.31091	1.39600	1.39600	0.010	-6.49065	100	Averaged	
90 N-Nitrosodimethylamine	1.07294	0.98000	0.98000	0.010	8.66285	100	Averaged	
103 Pyridine	1.82269	1.74176	1.74176	0.010	4.44005	100	Averaged	
91 Aniline	2.36202	2.35900	2.35900	0.010	0.12790	100	Averaged	
105 1-methylnaphthalene	0.56242	0.56273	0.56273	0.010	-0.05602	100	Averaged	
93 Benzidine	0.81682	0.68975	0.68975	0.010	15.55707	100	Averaged	
98 Retene	0.67956	0.68578	0.68578	0.010	-0.91518	100	Averaged	
111 Azobenzene (1,2-DP-Hydrazin	1.61695	1.46825	1.46825	0.010	9.19593	100	Averaged	
144 alpha-Terpineol	0.30455	0.16351	0.16351	0.010	46.31059	100	Averaged	
143 1,4-Dioxane	0.71798	++++	++++	0.010	++++	100	Averaged	<-
$ 137 d8-1,4-Dioxane	0.67018	++++	++++	0.010	++++	100	Averaged	<-
133 Butylatedhydroxytoluene	0.90169	0.88847	0.88847	0.010	1.46705	100	Averaged	
115 Tributyl Phosphate	1.16205	1.14241	1.14241	0.010	1.68974	100	Averaged	
116 Dibutyl Phenyl Phosphate	0.80086	0.83729	0.83729	0.010	-4.54879	100	Averaged	
117 Butyl Diphenyl Phosphate	0.38569	0.38332	0.38332	0.010	0.61700	100	Averaged	
118 Triphenyl Phosphate	0.23566	0.24476	0.24476	0.010	-3.86292	100	Averaged	

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060914.b/cc0914.d
Lab Smp Id: ABN 25
Inj Date : 14-SEP-2006 09:25
Operator : LJR/vts Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060914.b/SW846.m
Meth Date : 14-Sep-2006 12:29 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 9/14/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	4.327	4.327	(0.693)	424785	25.0000	26.30
$	2 Phenol-d5	99	5.967	5.967	(0.956)	487380	25.0000	26.00
	3 Phenol	94	5.983	5.983	(0.959)	506740	25.0000	23.04
$	5 2-Chlorophenol-d4	132	5.972	5.972	(0.957)	391908	25.0000	25.75
	4 Bis(2-Chloroethyl)ether	93	5.961	5.961	(0.955)	379634	25.0000	23.19
	6 2-Chlorophenol	128	5.994	5.994	(0.961)	372061	25.0000	25.67
	7 1,3-Dichlorobenzene	146	6.170	6.170	(0.989)	399249	25.0000	25.57
*	8 1,4-Dichlorobenzene-d4	152	6.239	6.239	(1.000)	208683	20.0000	
	9 1,4-Dichlorobenzene	146	6.266	6.266	(1.004)	408827	25.0000	26.05
$	10 1,2-Dichlorobenzene-d4	152	6.528	6.528	(1.046)	252070	25.0000	27.02
	12 1,2-Dichlorobenzene	146	6.549	6.549	(1.050)	374350	25.0000	25.57
	11 Benzyl alcohol	108	6.581	6.581	(1.055)	255649	25.0000	23.33
	14 2,2'-oxybis(1-Chloropropane)	45	6.838	6.838	(1.096)	484843	25.0000	19.87
	13 2-Methylphenol	108	6.880	6.880	(1.103)	365972	25.0000	25.24
	17 Hexachloroethane	117	7.025	7.025	(1.126)	166473	25.0000	26.14
	16 N-Nitroso-di-n-propylamine	70	7.051	7.051	(1.130)	279207	25.0000	21.40
	15 4-Methylphenol	108	7.121	7.121	(1.141)	377657	25.0000	25.43
$	18 Nitrobenzene-d5	82	7.174	7.174	(0.858)	436772	25.0000	24.46
	19 Nitrobenzene	77	7.201	7.201	(0.861)	407127	25.0000	23.91
	20 Isophorone	82	7.596	7.596	(0.908)	686831	25.0000	22.77
	21 2-Nitrophenol	139	7.714	7.714	(0.922)	204392	25.0000	29.67
	22 2,4-Dimethylphenol	107	7.922	7.922	(0.947)	368351	25.0000	25.38
	23 Bis(2-Chloroethoxy)methane	93	8.029	8.029	(0.960)	440469	25.0000	24.04
	24 Benzoic acid	105	8.243	8.243	(0.985)	492501	50.0000	48.48
	25 2,4-Dichlorophenol	162	8.136	8.136	(0.973)	284947	25.0000	28.42
	26 1,2,4-Trichlorobenzene	180	8.216	8.216	(0.982)	290909	25.0000	26.74
*	27 Naphthalene-d8	136	8.259	8.259	(1.000)	725629	20.0000	(H)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	8.285	8.285	(0.990)	959312	25.0000	27.11
	29 4-Chloroaniline	127	8.478	8.478	(1.013)	419287	25.0000	25.87
	30 Hexachlorobutadiene	225	8.633	8.633	(1.032)	138051	25.0000	26.39
	31 4-Chloro-3-methylphenol	107	9.359	9.359	(1.119)	301079	25.0000	24.87
	32 2-Methylnaphthalene	141	9.562	9.562	(1.143)	510419	25.0000	25.47
	33 Hexachlorocyclopentadiene	237	9.786	9.786	(0.884)	139429	25.0000	33.64
	34 2,4,6-Trichlorophenol	196	9.947	9.947	(0.899)	187211	25.0000	28.52
	35 2,4,5-Trichlorophenol	196	10.016	10.016	(0.905)	196350	25.0000	27.81
$	36 2-Fluorobiphenyl	172	10.064	10.064	(0.909)	672866	25.0000	26.33
	37 2-Chloronaphthalene	162	10.160	10.160	(0.918)	580941	25.0000	25.83
	38 2-Nitroaniline	65	10.428	10.428	(0.942)	198062	25.0000	22.30
	39 Dimethylphthalate	163	10.828	10.828	(0.978)	582846	25.0000	24.04
	40 Acenaphthylene	152	10.812	10.812	(0.977)	884186	25.0000	24.41
	41 2,6-Dinitrotoluene	165	10.903	10.903	(0.985)	144531	25.0000	27.38
*	42 Acenaphthene-d10	164	11.069	11.069	(1.000)	396823	20.0000	
	43 3-Nitroaniline	138	11.101	11.101	(1.003)	165498	25.0000	24.53
	44 Acenaphthene	153	11.117	11.117	(1.004)	551217	25.0000	24.38
	45 2,4-Dinitrophenol	184	11.266	11.266	(1.018)	142623	50.0000	136.2
	46 Dibenzofuran	168	11.378	11.378	(1.028)	757647	25.0000	25.16
	47 4-Nitrophenol	109	11.523	11.523	(1.041)	86385	25.0000	25.24
	48 2,4-Dinitrotoluene	165	11.512	11.512	(1.040)	177279	25.0000	25.76
	50 Diethylphthalate	149	11.982	11.982	(1.083)	575939	25.0000	23.31
	49 Fluorene	166	11.923	11.923	(1.077)	633011	25.0000	25.21
	51 4-Chlorophenyl-phenylether	204	11.987	11.987	(1.083)	272152	25.0000	24.44
	52 4-Nitroaniline	138	12.078	12.078	(1.091)	163519	25.0000	24.87
	53 4,6-Dinitro-2-methylphenol	198	12.153	12.153	(0.908)	212177	50.0000	97.93
	54 N-Nitrosodiphenylamine	169	12.206	12.206	(0.912)	273981	25.0000	23.99
$	55 2,4,6-Tribromophenol	330	12.351	12.351	(1.116)	79307	25.0000	28.34
	56 4-Bromophenyl-phenylether	248	12.751	12.751	(0.952)	141144	25.0000	26.18
	57 Hexachlorobenzene	284	12.928	12.928	(0.966)	154433	25.0000	26.15
	58 Pentachlorophenol	266	13.254	13.254	(0.990)	96679	25.0000	30.73
*	59 Phenanthrene-d10	188	13.387	13.387	(1.000)	548113	20.0000	
	60 Phenanthrene	178	13.424	13.424	(1.003)	817908	25.0000	26.71
	61 Anthracene	178	13.494	13.494	(1.008)	820929	25.0000	25.05
	62 Carbazole	167	13.814	13.814	(1.032)	767141	25.0000	26.54
	63 Di-n-butylphthalate	149	14.600	14.600	(1.091)	923677	25.0000	24.61
	64 Fluoranthene	202	15.321	15.321	(1.144)	780417	25.0000	24.13
	65 Pyrene	202	15.657	15.657	(0.888)	811777	25.0000	25.21
$	66 Terphenyl-d14	244	16.042	16.042	(0.910)	498694	25.0000	25.51
	67 Butylbenzylphthalate	149	16.966	16.966	(0.963)	408774	25.0000	25.64
	68 Benzo(a)anthracene	228	17.602	17.602	(0.999)	664593	25.0000	26.57
*	69 Chrysene-d12	240	17.623	17.623	(1.000)	378308	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.666	17.666	(1.002)	250283	25.0000	28.48
	71 Chrysene	228	17.666	17.666	(1.002)	613345	25.0000	24.34
	72 bis(2-Ethylhexyl)phthalate	149	17.997	17.997	(0.951)	577916	25.0000	24.05
*	134 Di-n-octylphthalate-d4	153	18.922	18.922	(1.000)	920406	20.0000	
	73 Di-n-octylphthalate	149	18.932	18.932	(1.001)	1008475	25.0000	25.00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	19.231	19.231	(0.974)	785599	25.0000	26.38
75	Benzo(k)fluoranthene	252	19.263	19.263	(0.976)	711707	25.0000	24.48
76	Benzo(a)pyrene	252	19.659	19.659	(0.996)	677356	25.0000	24.98
* 77	Perylene-d12	264	19.739	19.739	(1.000)	478845	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.080	21.080	(1.068)	924309	25.0000	27.21
79	Dibenzo(a,h)anthracene	278	21.112	21.112	(1.070)	774116	25.0000	27.49
80	Benzo(g,h,i)perylene	276	21.363	21.363	(1.082)	835583	25.0000	26.62
90	N-Nitrosodimethylamine	74	1.773	1.773	(0.284)	255636	25.0000	22.83
103	Pyridine	79	1.763	1.763	(0.282)	454344	25.0000	23.89
91	Aniline	93	5.823	5.823	(0.933)	615355	25.0000	24.97
105	1-methylnaphthalene	141	9.562	9.562	(1.143)	510419	25.0000	25.01
93	Benzidine	184	15.625	15.625	(0.887)	326171	25.0000	21.11
98	Retene	219	16.266	16.266	(0.923)	324296	25.0000	25.23
111	Azobenzene (1,2-DP-Hydrazine)	77	12.233	12.233	(1.105)	728296	25.0000	22.70
144	alpha-Terpineol	59	8.365	8.365	(1.000)	148312	25.0000	13.42
143	1,4-Dioxane	88	Compound Not Detected.					
$ 137	d8-1,4-Dioxane	96	Compound Not Detected.					
133	Butylatedhydroxytoluene	205	11.325	11.325	(1.023)	440705	25.0000	24.63
115	Tributyl Phosphate	99	12.388	12.388	(0.925)	782715	25.0000	24.58
116	Dibutyl Phenyl Phosphate	175	14.055	14.055	(1.050)	573661	25.0000	26.14
117	Butyl Diphenyl Phosphate	94	15.695	15.695	(0.891)	181264	25.0000	24.85
118	Triphenyl Phosphate	326	17.260	17.260	(0.979)	115745	25.0000	25.97

QC Flag Legend

H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: cc0914.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060914.b/SW846.m
Misc Info:

Calibration Date: 14-SEP-2006
Calibration Time: 09:25

Level:
Sample Type:

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	208683	104342	417366	208683	0.00
27 Naphthalene-d8	725629	362814	1451258	725629	0.00
42 Acenaphthene-d10	396823	198412	793646	396823	0.00
59 Phenanthrene-d10	548113	274056	1096226	548113	0.00
69 Chrysene-d12	378308	189154	756616	378308	0.00
134 Di-n-octylphthala	920406	460203	1840812	920406	0.00
77 Perylene-d12	478845	239422	957690	478845	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.24	5.74	6.74	6.24	0.00
27 Naphthalene-d8	8.26	7.76	8.76	8.26	0.00
42 Acenaphthene-d10	11.07	10.57	11.57	11.07	0.00
59 Phenanthrene-d10	13.39	12.89	13.89	13.39	0.00
69 Chrysene-d12	17.62	17.12	18.12	17.62	0.00
134 Di-n-octylphthala	18.92	18.42	19.42	18.92	0.00
77 Perylene-d12	19.74	19.24	20.24	19.74	0.00

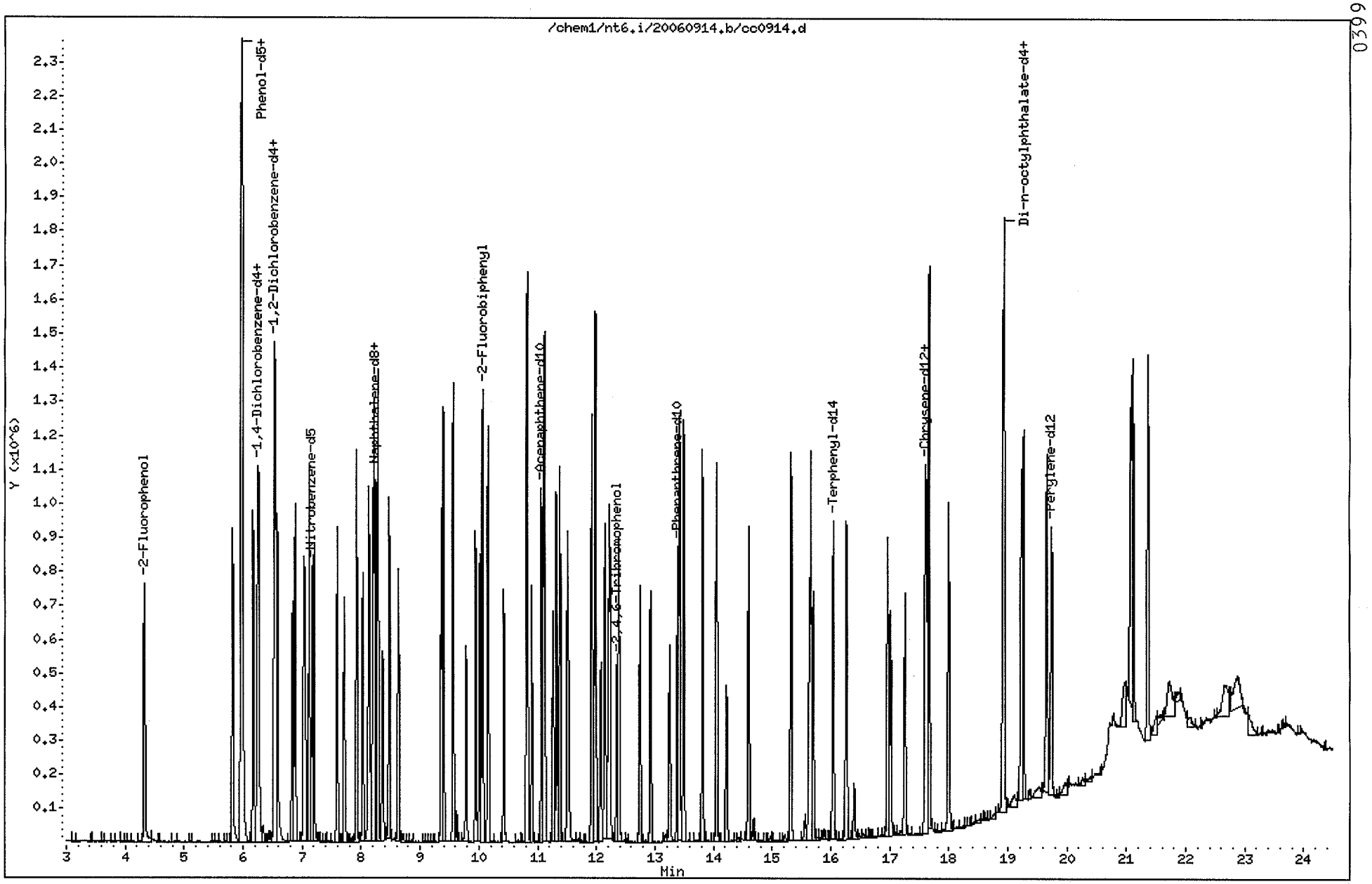
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060914.b/cc0914.d
Date : 14-SEP-2006 09:25
Client ID:
Sample Info: ABN 25

Instrument: nt6.i

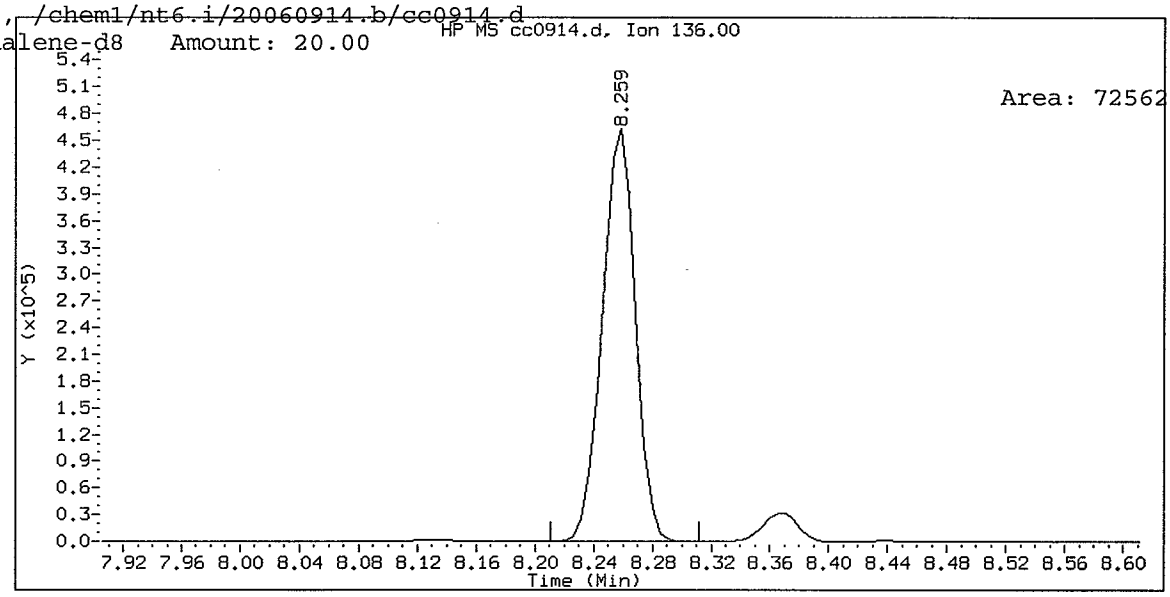
Operator: LJR/vts
Column diameter: 0.32

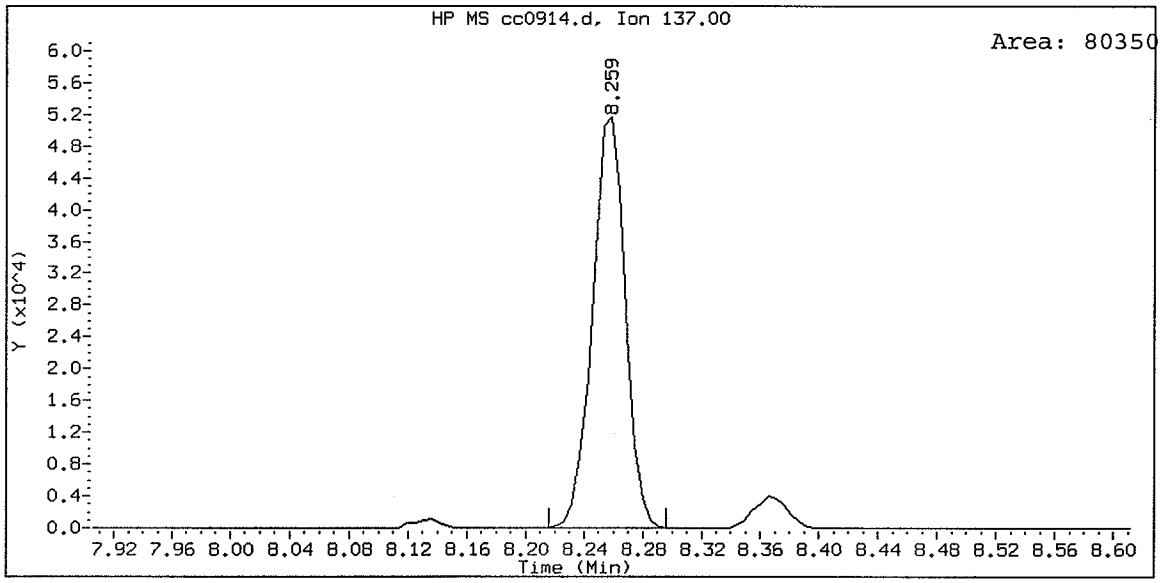
Column phase: ZB-5

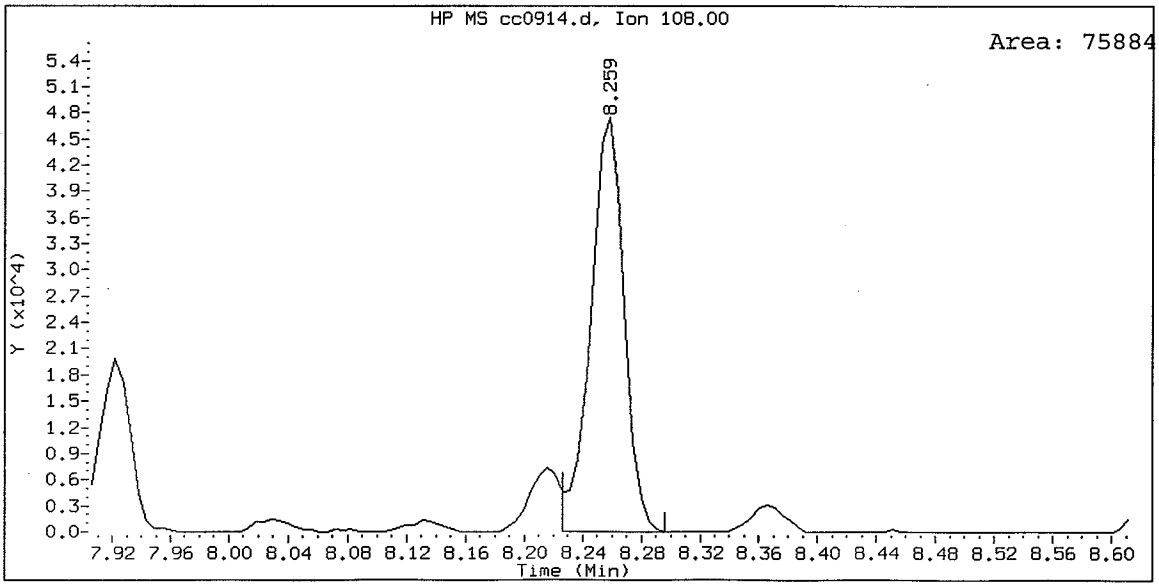


CCALIB_4

ABN 25, ~~/chem1/nt6.i/20060914.b/cc0914.d~~
Naphthalene-d8 Amount: 20.00







Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20060914.b/ddt.b/cc0914.d
Method: /chem1/nt6.i/20060914.b/ddt.b/sw846ddt.m
Analysis Date: 14-SEP-2006 09:25

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	13.254	96679
Benzidine	15.625	317748
4,4'-DDE	----	----
4,4'-DDD	16.555	3672
4,4'-DDT	17.014	200144

LJR 9/14/06

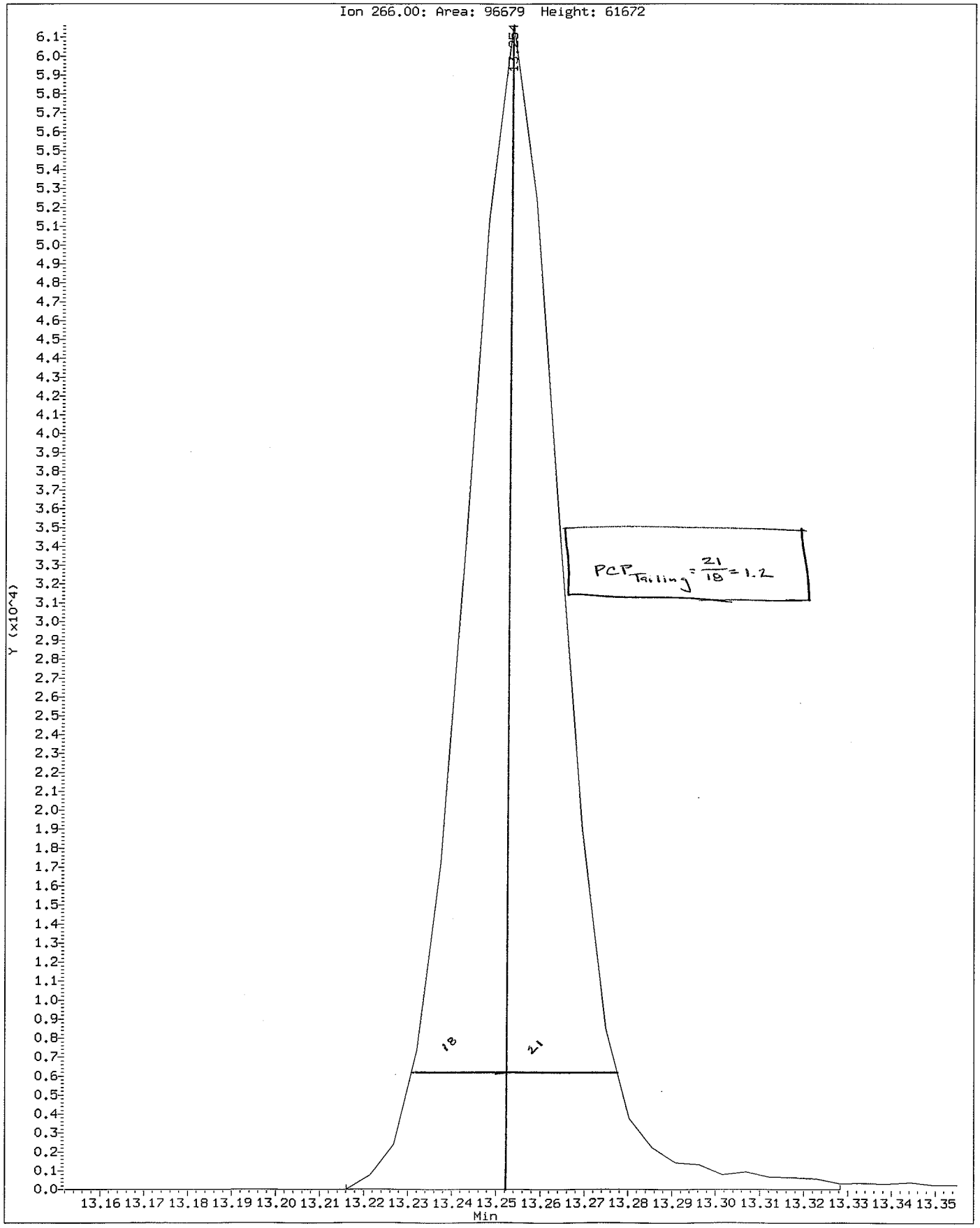
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 3672) * 100}{(0 + 3672 + 200144)}$$

DDT Percent Breakdown = 1.8 %

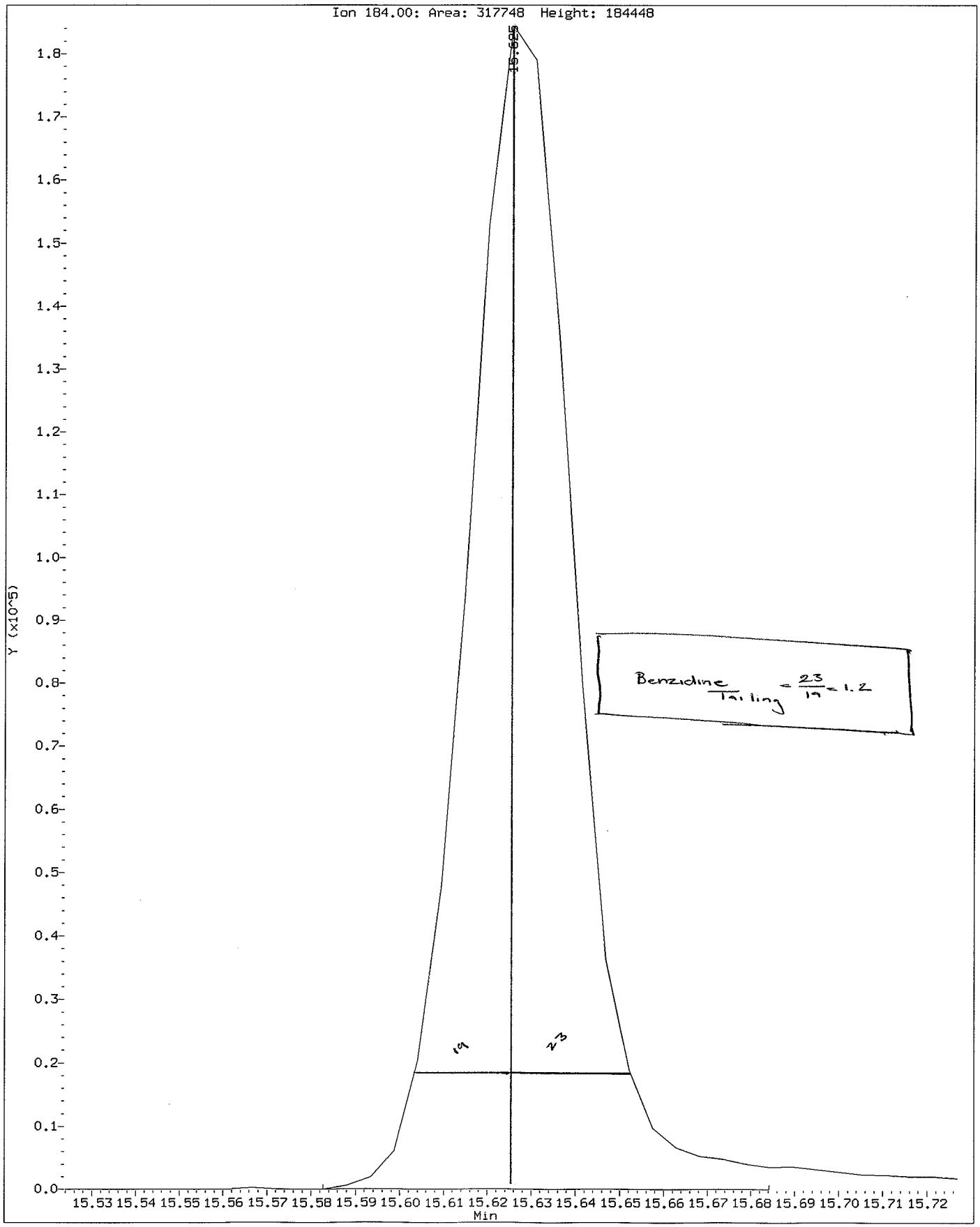
Data File: /chem1/nt6.i/20060914.b/ddt.b/cc0914.d
Injection Date: 14-SEP-2006 09:25
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20060914.b/ddt.b/cc0914.d
Injection Date: 14-SEP-2006 09:25
Instrument: nt6.i
Client Sample ID:

Compound: Benzidine
CAS Number:



Semivolatile Organics
QC Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JU43

prepared
by

Analytical Resources, Inc.

Data File: /chem1/nt6.i/20060810a.b/tune.b/0250810.d

Date : 10-AUG-2006 15:42

Client ID:

Instrument: nt6.i

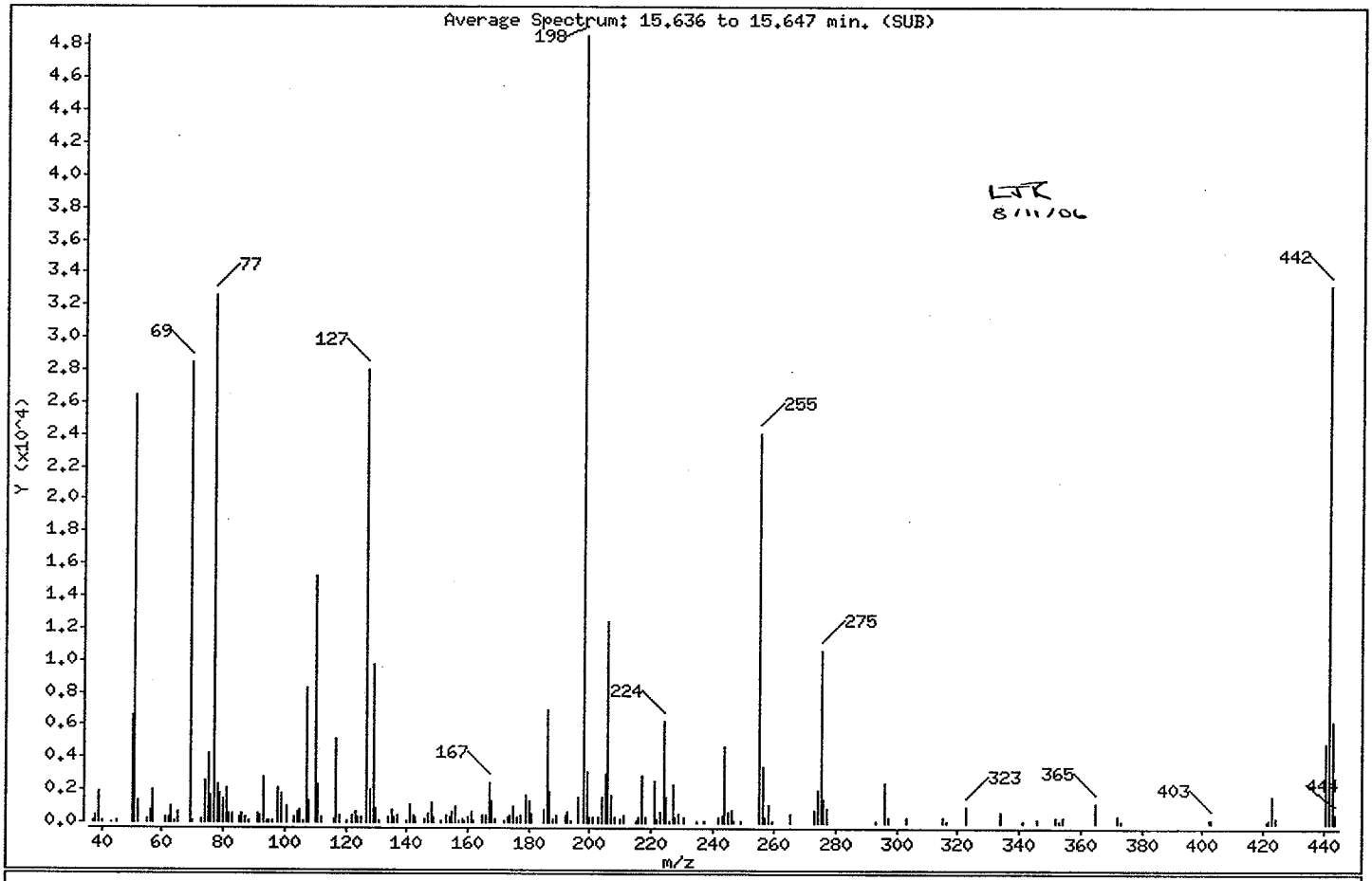
Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	54.45
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	58.42
70	Less than 2.00% of mass 69	0.33 (0.56)
127	25.00 - 75.00% of mass 198	57.58
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.52
275	10.00 - 30.00% of mass 198	21.84
365	Greater than 0.75% of mass 198	2.49
441	Present, but less than mass 443	10.21
442	40.00 - 110.00% of mass 198	68.43
443	15.00 - 24.00% of mass 442	12.97 (18.95)

Data File: /chem1/nt6.i/20060810a.b/tune.b/0250810.d

Date : 10-AUG-2006 15:42

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: 0250810.d

Spectrum: Average Spectrum: 15.636 to 15.647 min. (SUB)

Location of Maximum: 198.00

Number of points: 183

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	85	106.00	74	169.00	260	237.00	69
38.00	397	107.00	8277	172.00	76	242.00	313
39.00	1904	108.00	1388	173.00	303	243.00	421
40.00	67	110.00	15284	174.00	478	244.00	4713
43.00	38	111.00	2316	175.00	1000	245.00	724
45.00	69	112.00	357	176.00	339	246.00	802
50.00	6648	116.00	201	177.00	491	247.00	167
51.00	26464	117.00	5150	179.00	1651	249.00	69
52.00	1326	118.00	428	180.00	1306	255.00	24128
55.00	277	120.00	67	181.00	587	256.00	3455
56.00	824	122.00	482	185.00	832	257.00	335
57.00	1966	123.00	718	186.00	6979	258.00	1124
61.00	365	124.00	285	187.00	1930	259.00	71
62.00	380	125.00	365	188.00	244	265.00	512
63.00	1059	127.00	27984	189.00	425	273.00	770
64.00	67	128.00	2058	192.00	490	274.00	2062
65.00	665	129.00	9715	193.00	671	275.00	10614
69.00	28392	130.00	944	194.00	69	276.00	1430
70.00	160	131.00	76	196.00	1552	277.00	892
73.00	264	134.00	286	198.00	48600	293.00	155
74.00	2585	135.00	762	199.00	3167	296.00	2486
75.00	4291	136.00	381	200.00	307	297.00	348
76.00	1631	137.00	460	201.00	280	303.00	339
77.00	32608	140.00	161	203.00	360	315.00	377
78.00	2338	141.00	1126	204.00	1545	316.00	70
79.00	1784	142.00	437	205.00	2987	323.00	960
80.00	1439	143.00	305	206.00	12481	334.00	650
81.00	2156	146.00	177	207.00	1728	341.00	70
82.00	529	147.00	605	208.00	346	346.00	218
83.00	603	148.00	1256	210.00	196	352.00	290
85.00	297	149.00	368	211.00	459	353.00	124
86.00	561	151.00	67	215.00	77	354.00	287
87.00	298	153.00	410	216.00	288	365.00	1209
88.00	66	154.00	344	217.00	2930	372.00	447
91.00	511	155.00	714	218.00	390	373.00	67

Data File: /chem1/nt6.i/20060810a.b/tune.b/0250810.d

Date : 10-AUG-2006 15:42

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: 0250810.d

Spectrum: Average Spectrum: 15.636 to 15.647 min. (SUB)

Location of Maximum: 198.00

Number of points: 183

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	459	156.00	1036	221.00	2570	402.00	196
93.00	2746	157.00	96	222.00	217	403.00	278
94.00	108	158.00	168	223.00	669	421.00	141
95.00	72	159.00	92	224.00	6265	422.00	253
96.00	149	160.00	346	225.00	1602	423.00	1625
98.00	2143	161.00	626	226.00	142	424.00	353
99.00	1777	162.00	67	227.00	2384	441.00	4964
101.00	981	165.00	416	228.00	326	442.00	33256
103.00	360	166.00	437	229.00	518	443.00	6303
104.00	677	167.00	2429	231.00	314	444.00	597
105.00	757	168.00	1346	235.00	77		

Data File: /chem1/nt6.i/20060810a.b/tune.b/0250810.d

Date : 10-AUG-2006 15:42

Client ID:

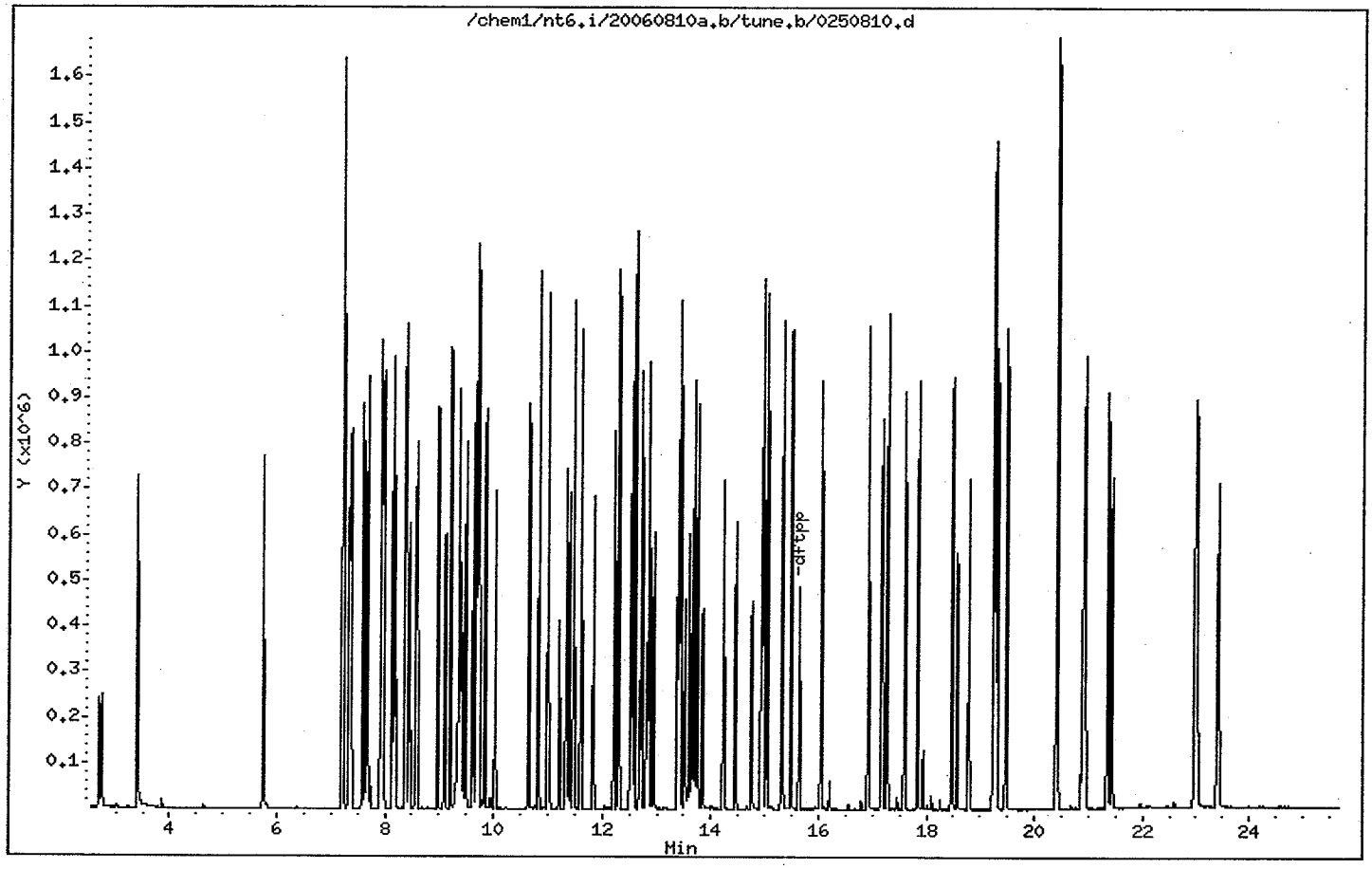
Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/tune.b/cc0913.d

Date : 13-SEP-2006 14:57

Client ID:

Instrument: nt6.i

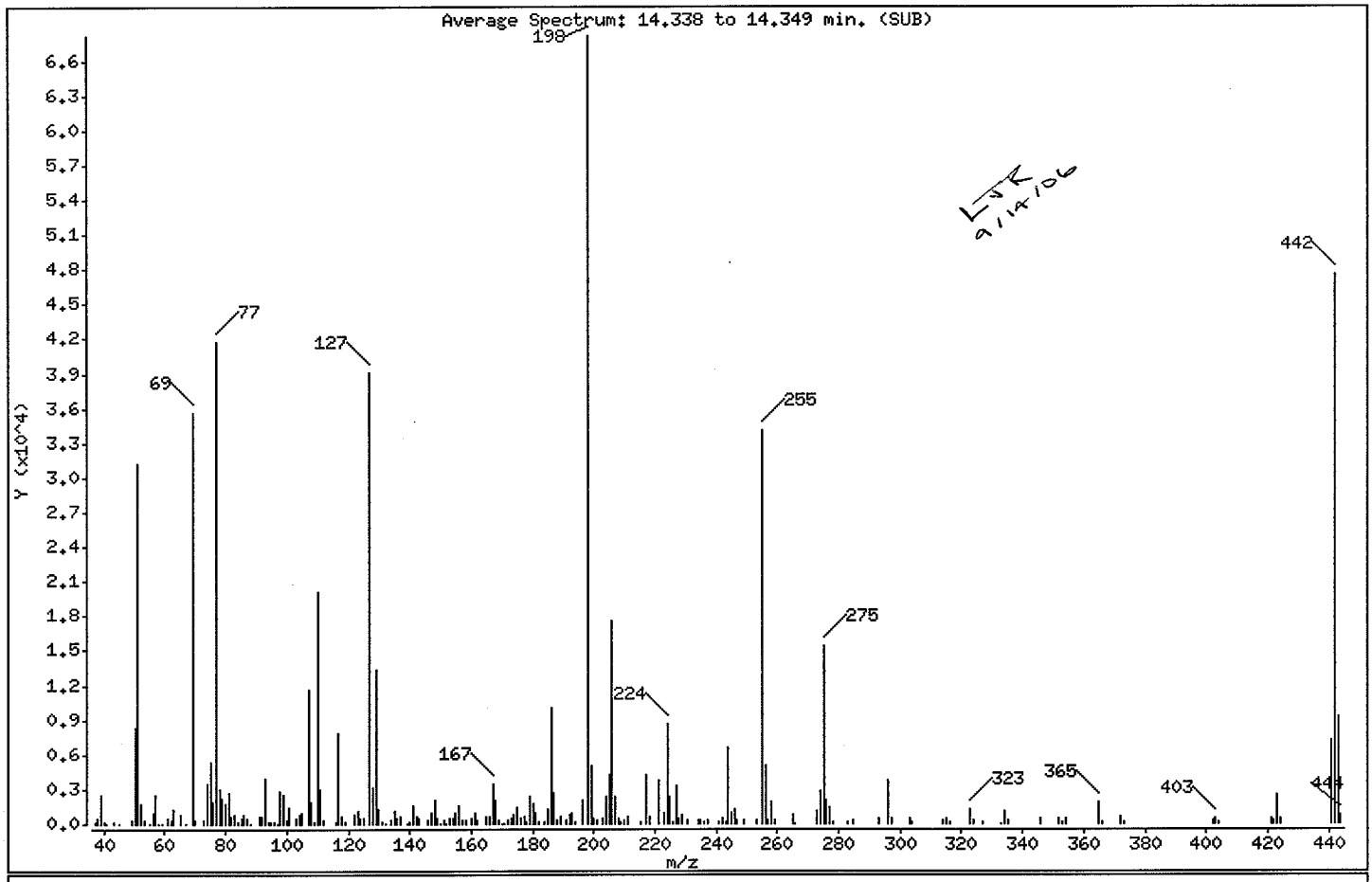
Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	45.83
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	52.39
70	Less than 2.00% of mass 69	0.39 (0.75)
127	25.00 - 75.00% of mass 198	57.35
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.33
275	10.00 - 30.00% of mass 198	22.51
365	Greater than 0.75% of mass 198	2.78
441	Present, but less than mass 443	10.52
442	40.00 - 110.00% of mass 198	69.77
443	15.00 - 24.00% of mass 442	13.69 (19.62)

Data File: /chem1/nt6.i/20060913.b/tune.b/cc0913.d

Date : 13-SEP-2006 14:57

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0913.d

Spectrum: Average Spectrum: 14.338 to 14.349 min. (SUB)

Location of Maximum: 198.00

Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	87	107.00	11619	174.00	806	246.00	1231
38.00	429	108.00	1952	175.00	1433	247.00	304
39.00	2454	109.00	218	176.00	468	249.00	259
40.00	97	110.00	20072	177.00	641	253.00	244
41.00	23	111.00	2993	178.00	208	255.00	33992
43.00	228	112.00	362	179.00	2413	256.00	4950
45.00	70	116.00	176	180.00	1765	257.00	332
49.00	317	117.00	7814	181.00	924	258.00	1895
50.00	8311	118.00	606	182.00	147	259.00	278
51.00	31216	119.00	147	184.00	182	265.00	829
52.00	1728	122.00	779	185.00	1278	266.00	70
53.00	243	123.00	1049	186.00	10073	273.00	1141
55.00	58	124.00	403	187.00	2724	274.00	2843
56.00	968	125.00	486	188.00	285	275.00	15332
57.00	2469	127.00	39064	189.00	554	276.00	2076
58.00	77	128.00	3197	191.00	336	277.00	1355
59.00	68	129.00	13322	192.00	824	278.00	140
61.00	405	130.00	1190	193.00	892	283.00	87
62.00	389	131.00	179	194.00	153	285.00	261
63.00	1315	132.00	72	196.00	1994	293.00	411
65.00	815	134.00	329	198.00	68120	296.00	3765
67.00	74	135.00	1065	199.00	4993	297.00	519
69.00	35688	136.00	429	200.00	421	303.00	477
70.00	267	137.00	573	201.00	355	304.00	144
73.00	334	139.00	76	203.00	479	314.00	256
74.00	3379	140.00	153	204.00	2304	315.00	424
75.00	5408	141.00	1589	205.00	4258	316.00	174
76.00	1959	142.00	590	206.00	17560	323.00	1328
77.00	41728	143.00	454	207.00	2354	324.00	340
78.00	2940	146.00	370	208.00	500	327.00	155
79.00	2259	147.00	864	209.00	87	333.00	71
80.00	1742	148.00	2052	210.00	273	334.00	1039
81.00	2649	149.00	406	211.00	650	335.00	249
82.00	664	150.00	72	215.00	90	346.00	401
83.00	744	151.00	287	217.00	4188	352.00	397

Data File: /chem1/nt6.i/20060913.b/tune.b/cc0913.d

Date : 13-SEP-2006 14:57

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0913.d

Spectrum: Average Spectrum: 14.338 to 14.349 min. (SUB)

Location of Maximum: 198.00

Number of points: 214

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	101	152.00	68	218.00	639	353.00	187
85.00	477	153.00	428	221.00	3775	354.00	425
86.00	853	154.00	426	223.00	881	365.00	1894
87.00	402	155.00	971	224.00	8622	366.00	172
88.00	74	156.00	1557	225.00	2406	372.00	654
91.00	673	157.00	370	226.00	140	373.00	113
92.00	668	158.00	309	227.00	3228	402.00	339
93.00	3886	160.00	535	228.00	491	403.00	437
94.00	141	161.00	932	229.00	748	404.00	80
95.00	235	162.00	315	231.00	265	421.00	413
96.00	212	165.00	702	234.00	252	422.00	248
97.00	67	166.00	694	235.00	262	423.00	2467
98.00	2790	167.00	3402	236.00	90	424.00	413
99.00	2476	168.00	2043	237.00	375	441.00	7164
100.00	278	169.00	287	241.00	178	442.00	47528
101.00	1356	170.00	68	242.00	468	443.00	9323
103.00	457	171.00	68	243.00	227	444.00	859
104.00	800	172.00	275	244.00	6620		
105.00	915	173.00	446	245.00	868		

Data File: /chem1/nt6.i/20060913.b/tune.b/cc0913.d

Date : 13-SEP-2006 14:57

Client ID:

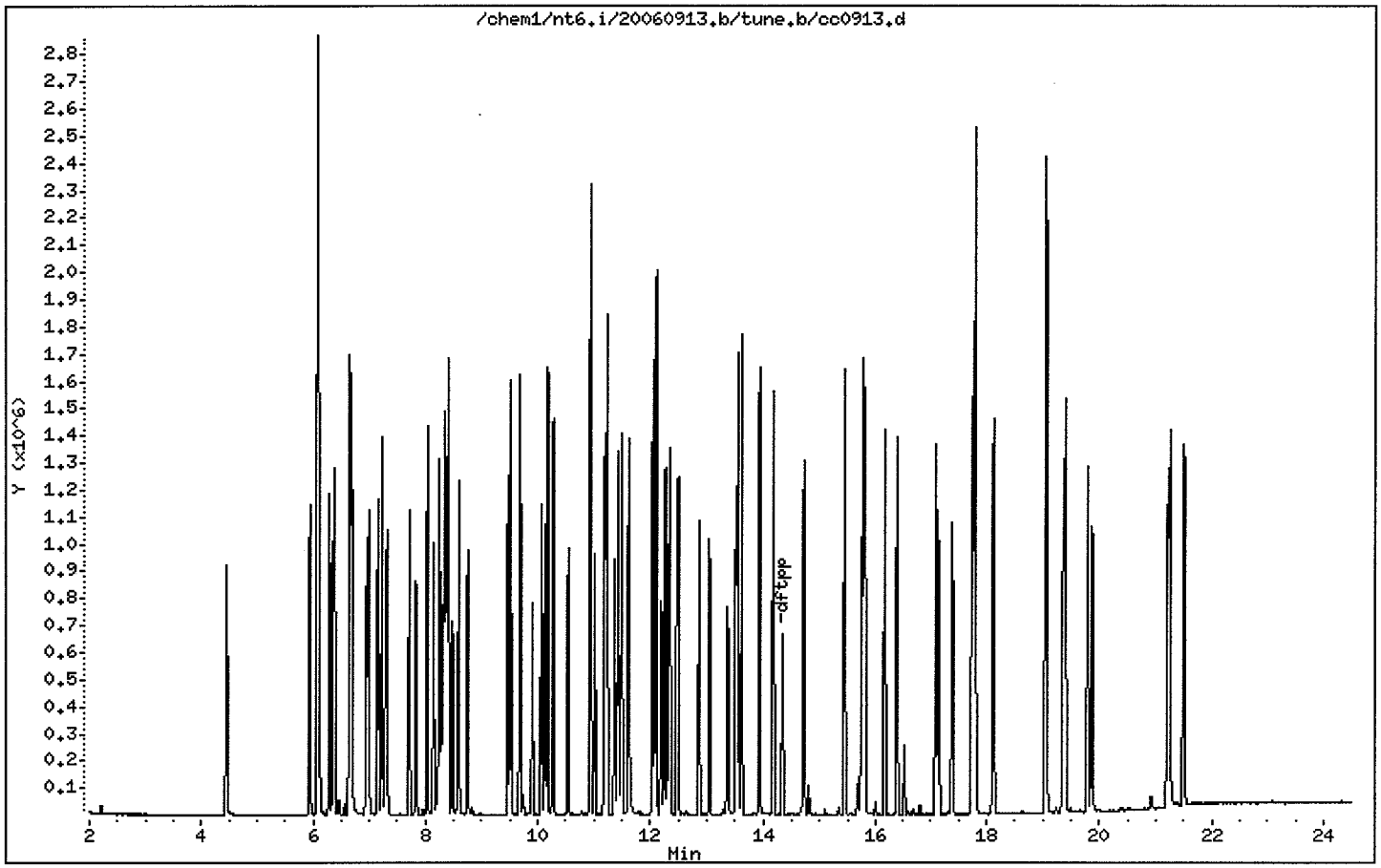
Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32



Data File: /chem1/nt6.i/20060914.b/tune.b/cc0914.d

Date : 14-SEP-2006 09:25

Client ID:

Instrument: nt6.i

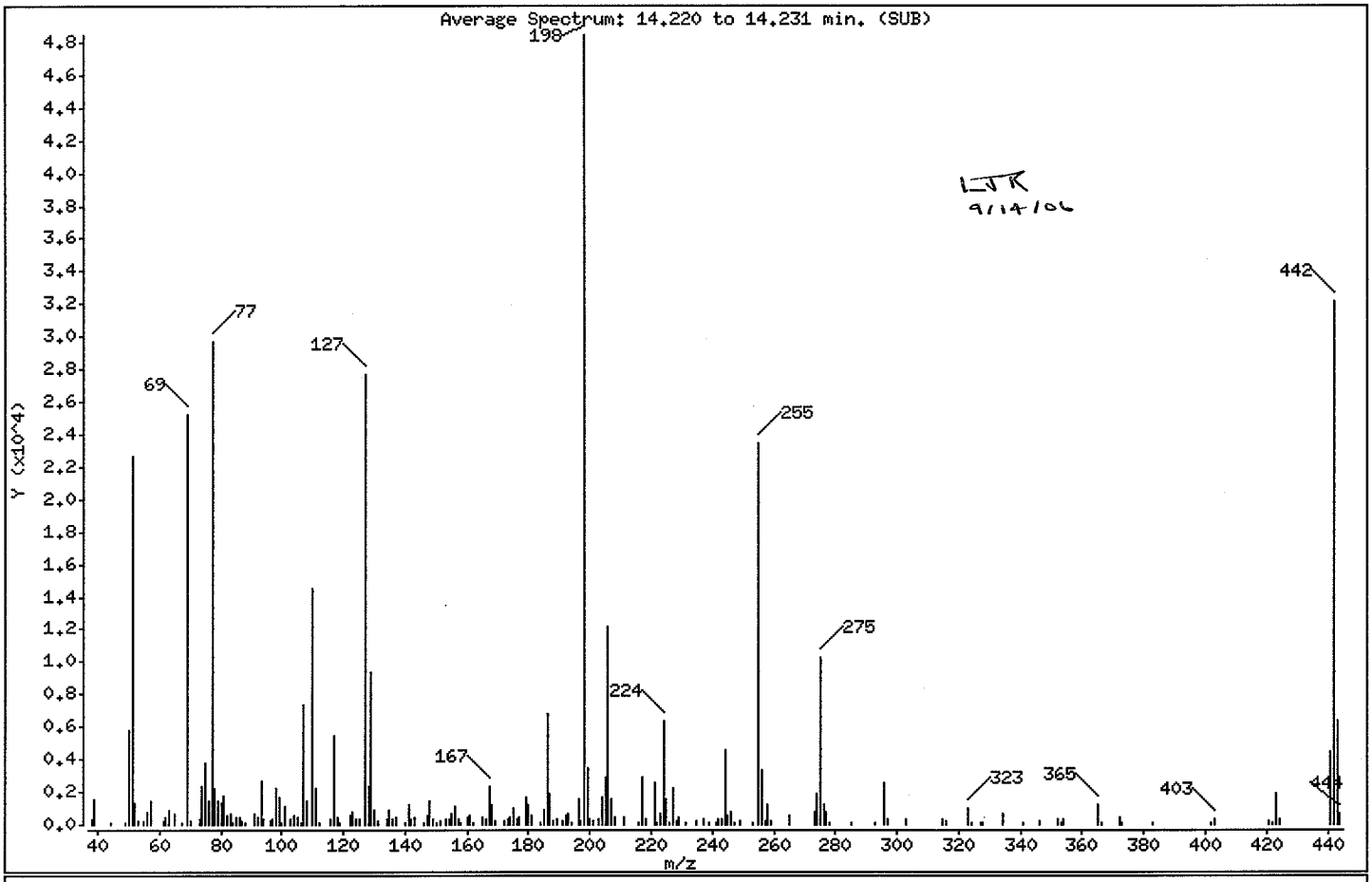
Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	46.69
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	51.98
70	Less than 2.00% of mass 69	0.49 (0.94)
127	25.00 - 75.00% of mass 198	57.12
197	Less than 1.00% of mass 198	0.40
199	5.00 - 9.00% of mass 198	7.16
275	10.00 - 30.00% of mass 198	21.17
365	Greater than 0.75% of mass 198	2.49
441	Present, but less than mass 443	9.17
442	40.00 - 110.00% of mass 198	66.42
443	15.00 - 24.00% of mass 442	13.12 (19.75)

Data File: /chem1/nt6.i/20060914.b/tune.b/cc0914.d

Date : 14-SEP-2006 09:25

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0914.d

Spectrum: Average Spectrum: 14.220 to 14.231 min. (SUB)

Location of Maximum: 198.00

Number of points: 195

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	352	108.00	1399	176.00	296	246.00	800
39.00	1591	110.00	14541	177.00	450	247.00	81
44.00	77	111.00	2195	179.00	1654	249.00	172
49.00	103	112.00	92	180.00	1230	253.00	66
50.00	5768	116.00	329	181.00	571	255.00	23464
51.00	22616	117.00	5522	184.00	73	256.00	3400
52.00	1323	118.00	403	185.00	908	257.00	240
53.00	224	119.00	67	186.00	6791	258.00	1232
55.00	227	122.00	549	187.00	1868	259.00	257
56.00	803	123.00	834	188.00	233	265.00	612
57.00	1494	124.00	370	189.00	362	273.00	818
61.00	228	125.00	318	191.00	188	274.00	1860
62.00	411	127.00	27672	192.00	583	275.00	10254
63.00	911	128.00	2340	193.00	661	276.00	1281
65.00	653	129.00	9334	194.00	74	277.00	799
67.00	163	130.00	853	196.00	1510	278.00	69
69.00	25176	131.00	179	197.00	194	285.00	79
70.00	237	134.00	308	198.00	48440	293.00	159
73.00	372	135.00	865	199.00	3468	296.00	2578
74.00	2348	136.00	339	200.00	305	297.00	354
75.00	3806	137.00	413	201.00	269	303.00	371
76.00	1450	140.00	84	203.00	335	315.00	343
77.00	29736	141.00	1172	204.00	1699	316.00	178
78.00	2278	142.00	369	205.00	2869	323.00	964
79.00	1457	143.00	406	206.00	12210	324.00	163
80.00	1373	146.00	75	207.00	1571	327.00	141
81.00	1812	147.00	540	208.00	393	328.00	70
82.00	540	148.00	1439	211.00	488	334.00	615
83.00	719	149.00	338	216.00	91	341.00	74
84.00	75	150.00	148	217.00	2868	346.00	225
85.00	404	151.00	228	218.00	352	352.00	308
86.00	399	153.00	355	221.00	2571	353.00	79
87.00	208	154.00	387	222.00	123	354.00	338
88.00	67	155.00	620	223.00	685	365.00	1208
91.00	660	156.00	1138	224.00	6309	366.00	68

Data File: /chem1/nt6.i/20060914.b/tune.b/cc0914.d

Date : 14-SEP-2006 09:25

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0914.d

Spectrum: Average Spectrum: 14.220 to 14.231 min. (SUB)

Location of Maximum: 198.00

Number of points: 195

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	458	157.00	303	225.00	1507	372.00	464
93.00	2633	158.00	105	226.00	83	373.00	68
94.00	358	160.00	418	227.00	2230	383.00	101
96.00	186	161.00	504	228.00	263	402.00	142
97.00	285	162.00	102	229.00	475	403.00	364
98.00	2228	165.00	447	231.00	70	421.00	243
99.00	1661	166.00	323	235.00	201	422.00	69
100.00	93	167.00	2321	237.00	303	423.00	1859
101.00	1081	168.00	1228	239.00	75	424.00	342
103.00	341	169.00	203	241.00	74	441.00	4440
104.00	571	172.00	237	242.00	358	442.00	32176
105.00	405	173.00	361	243.00	346	443.00	6355
106.00	117	174.00	481	244.00	4581	444.00	645
107.00	7396	175.00	994	245.00	598		

Data File: /chem1/nt6.i/20060914.b/tune.b/cc0914.d

Date : 14-SEP-2006 09:25

Client ID:

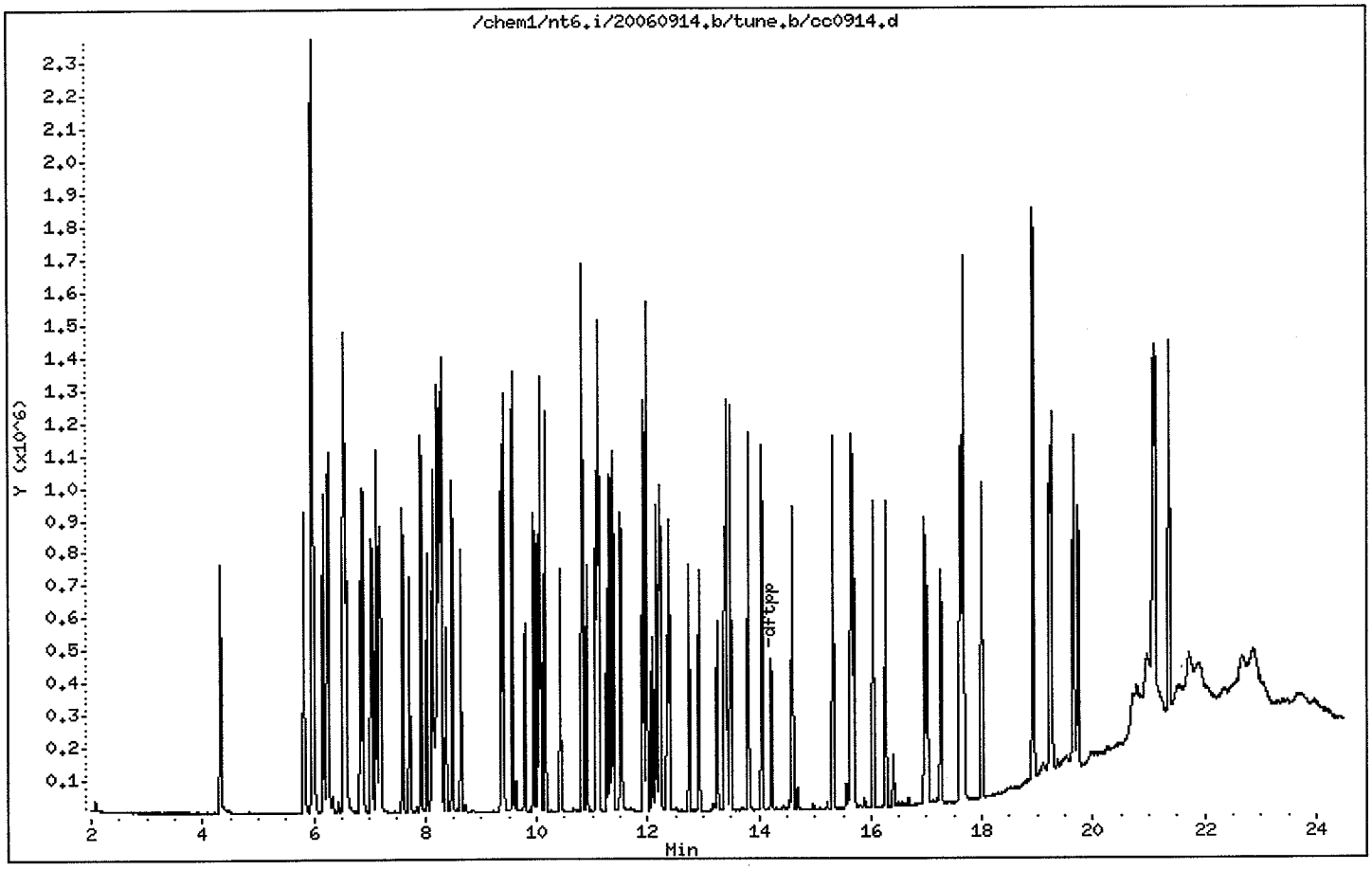
Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: MB-090706**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-090706
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 09/07/06
Date Analyzed: 09/13/06 16:01
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	64.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43mb.d
Lab Smp Id: JU43MBS1 Client Smp ID: JU43MBS1
Inj Date : 13-SEP-2006 16:01
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43MBS1
Misc Info : 06-15861
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:07 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAMBLCS.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	50.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.468	4.455	(0.703)	414134	22.4452	448.9
$	2 Phenol-d5	99	6.071	6.068	(0.955)	515537	24.0757	481.5
	3 Phenol	94	6.087	6.084	(0.958)	15755	0.62725 J	12.55
$	5 2-Chlorophenol-d4	132	6.087	6.084	(0.958)	419880	24.1560	483.1
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.354	6.357	(1.000)	238353	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	6.648	6.645	(1.046)	164017	15.3917	307.8
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.284	7.286	(0.870)	308383	14.4041	288.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.197	8.355	(0.980)	22284	1.82979 LDL	36.60(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	8.368	8.371	(1.000)	869929	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.174	10.177	(0.910)	489105	14.7987	296.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.183	11.186	(1.000)	513218	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.465	12.474	(1.115)	99718	27.5483	551.0
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	13.507	13.515	(1.000)	776965	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	63 Di-n-butylphthalate	149	Compound Not Detected.					
	64 Fluoranthene	202	Compound Not Detected.					
	65 Pyrene	202	Compound Not Detected.					
$	66 Terphenyl-d14	244	16.162	16.170	(0.910)	494693	16.2199	324.4
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	17.754	17.762	(1.000)	590269	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	Compound Not Detected.					
	72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
*	134 Di-n-octylphthalate-d4	153	19.042	19.044	(1.000)	1334879	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	Compound Not Detected.					
	75 Benzo(k)fluoranthene	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	19.870	19.872	(1.000)	604083	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
	79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
	80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43mb.d
Lab Smp Id: JU43MBS1
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15861

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: JU43MBS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	238353	0.41
27 Naphthalene-d8	860372	430186	1720744	869929	1.11
42 Acenaphthene-d10	494619	247310	989238	513218	3.76
59 Phenanthrene-d10	763854	381927	1527708	776965	1.72
69 Chrysene-d12	565991	282996	1131982	590269	4.29
134 Di-n-octylphthala	1274966	637483	2549932	1334879	4.70
77 Perylene-d12	631478	315739	1262956	604083	-4.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.35	-0.04
27 Naphthalene-d8	8.37	7.87	8.87	8.37	-0.03
42 Acenaphthene-d10	11.19	10.69	11.69	11.18	-0.03
59 Phenanthrene-d10	13.52	13.02	14.02	13.51	-0.06
69 Chrysene-d12	17.76	17.26	18.26	17.75	-0.05
134 Di-n-octylphthala	19.04	18.54	19.54	19.04	-0.01
77 Perylene-d12	19.87	19.37	20.37	19.87	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

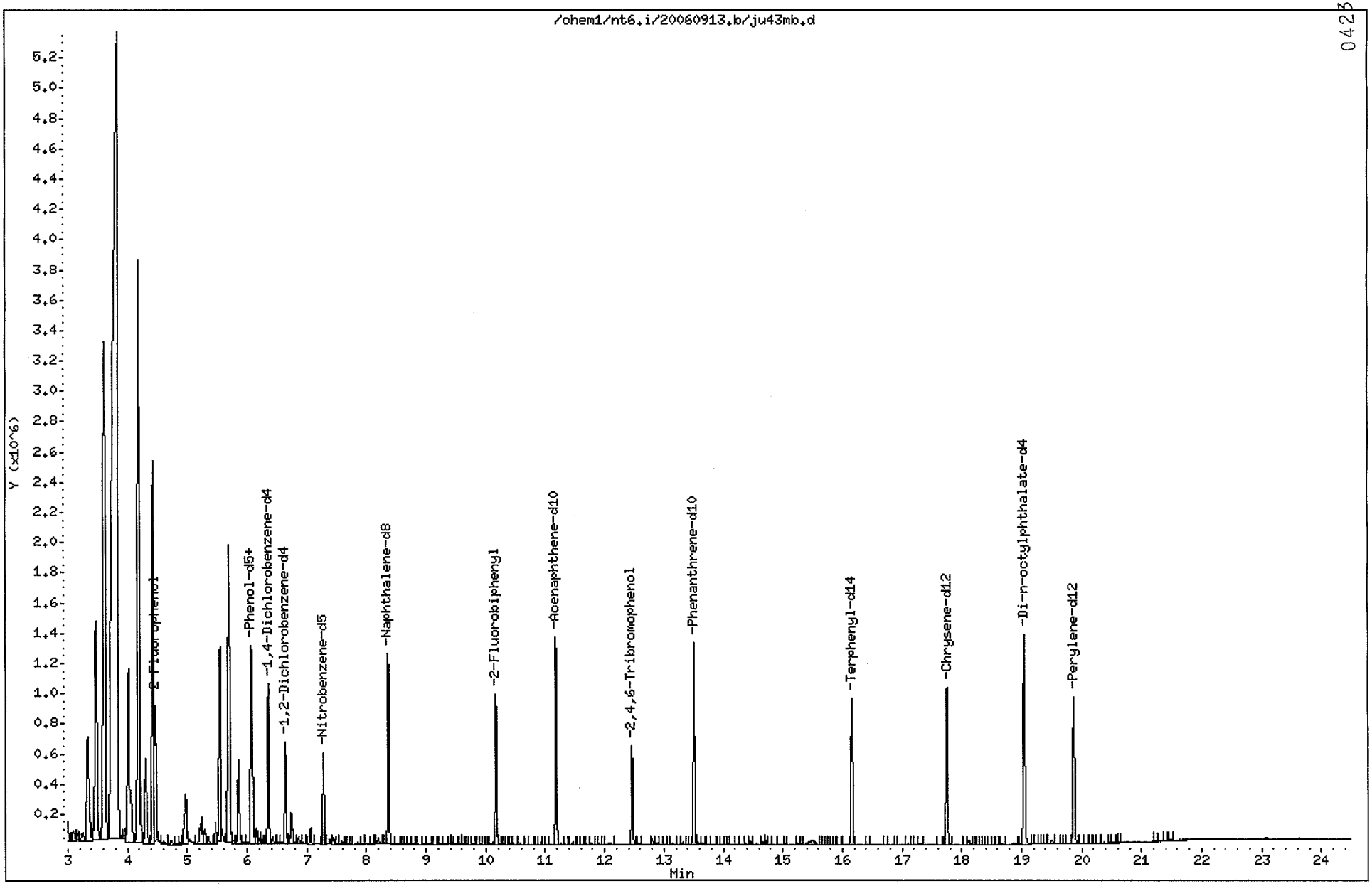
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43MBS1
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDAMBLCS.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15861

Client SDG: JU43
Fraction: SV
Client Smp ID: JU43MBS1
Operator: LJR/vts
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	448.9	59.85	42-87
$ 2 Phenol-d5	750.0	481.5	64.20	47-87
$ 5 2-Chlorophenol-d4	750.0	483.1	64.42	47-86
$ 10 1,2-Dichlorobenzen	500.0	307.8	61.57	43-82
$ 18 Nitrobenzene-d5	500.0	288.1	57.62	46-87
$ 36 2-Fluorobiphenyl	500.0	296.0	59.19	46-88
$ 55 2,4,6-Tribromophen	750.0	551.0	73.46	40-97
$ 66 Terphenyl-d14	500.0	324.4	64.88	37-114

Data File: /chem1/nt6.i/20060913.b/ju43mb.d
Date : 13-SEP-2006 16:01
Client ID: JU43MBS1
Sample Info: JU43MBS1
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Data File: /chem1/nt6.i/20060913.b/ju43mb.d

Date : 13-SEP-2006 16:01

Client ID: JU43MBS1

Instrument: nt6.i

Sample Info: JU43MBS1

Volume Injected (uL): 1.0

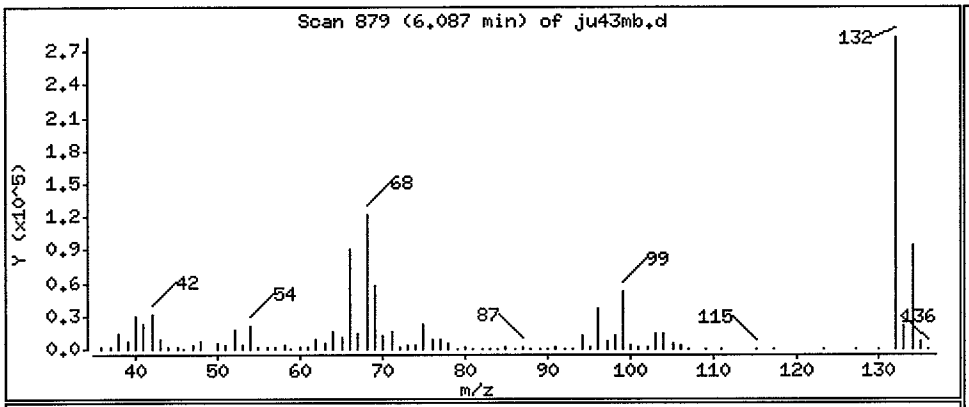
Operator: LJR/vts

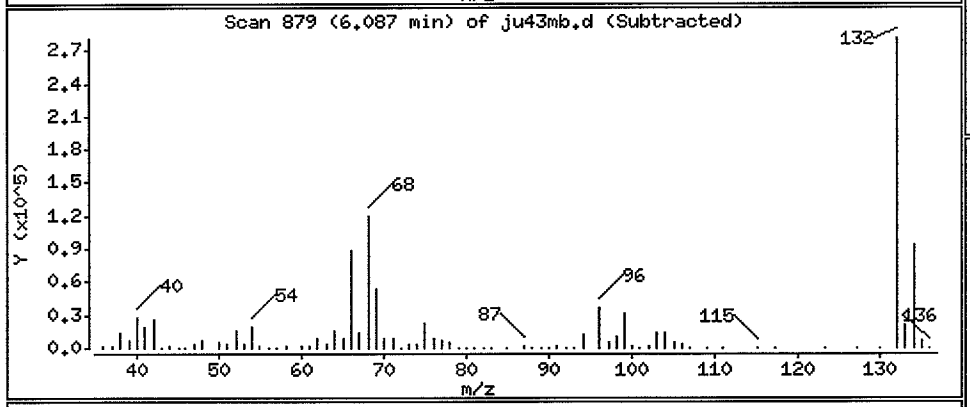
Column phase: ZB-5

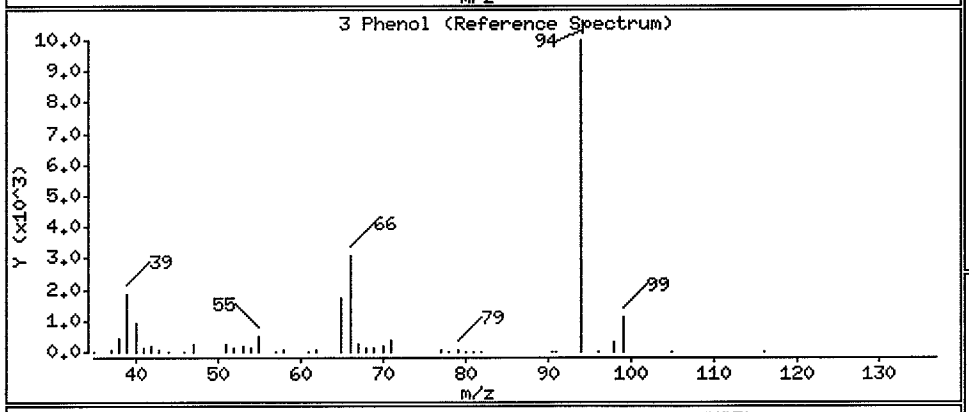
Column diameter: 0.32

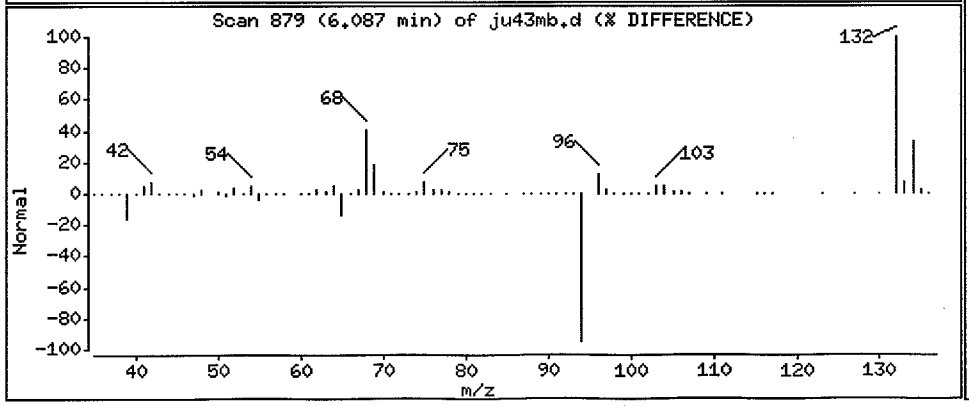
3 Phenol

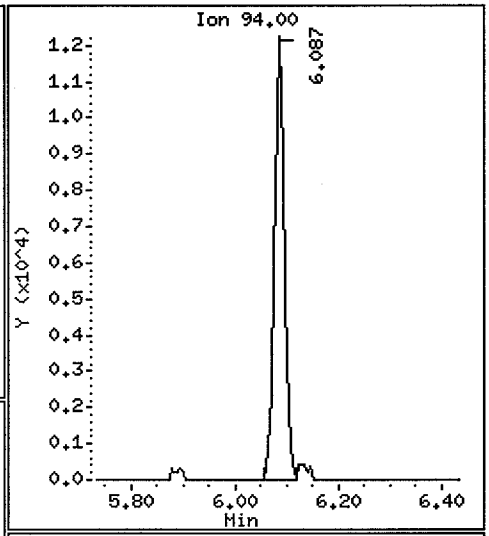
Concentration: 12.55 ug/kg

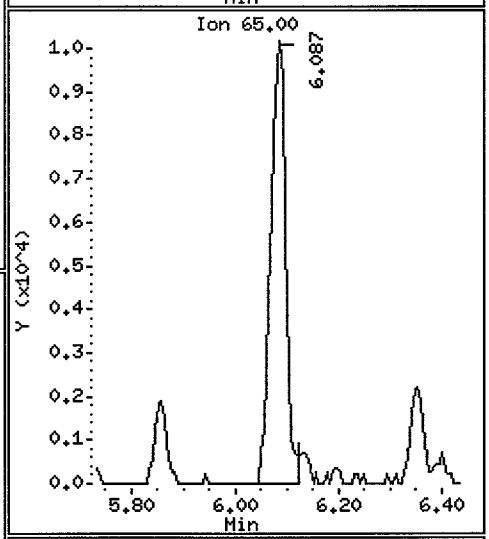


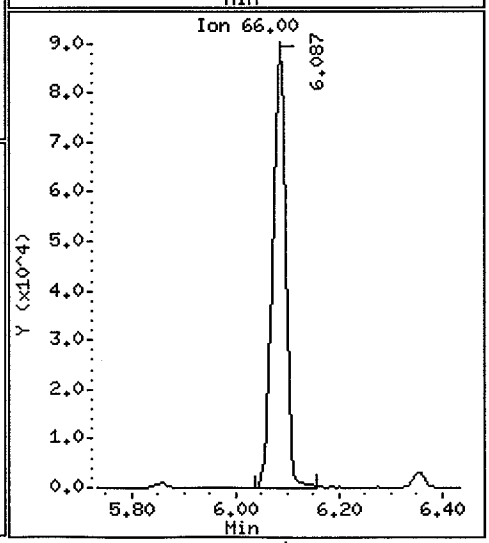












Data File: /chem1/nt6.i/20060913.b/ju43mb.d

Date : 13-SEP-2006 16:01

Client ID: JU43MBS1

Instrument: nt6.i

Sample Info: JU43MBS1

Volume Injected (uL): 1.0

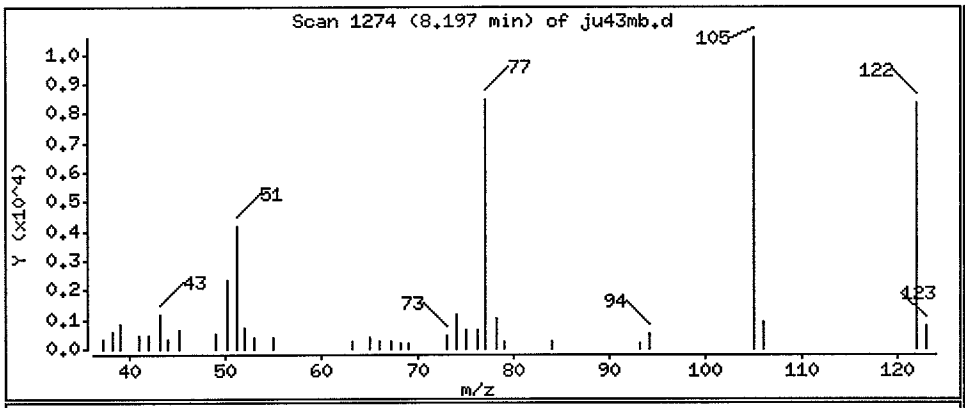
Operator: LJR/vts

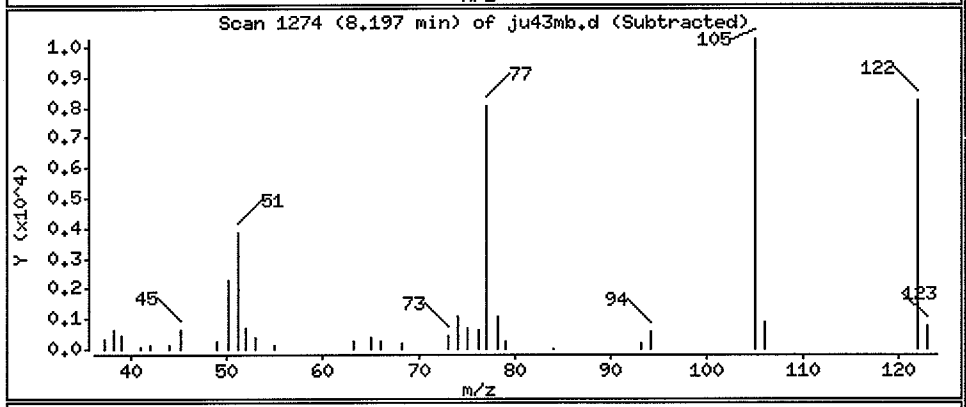
Column phase: ZB-5

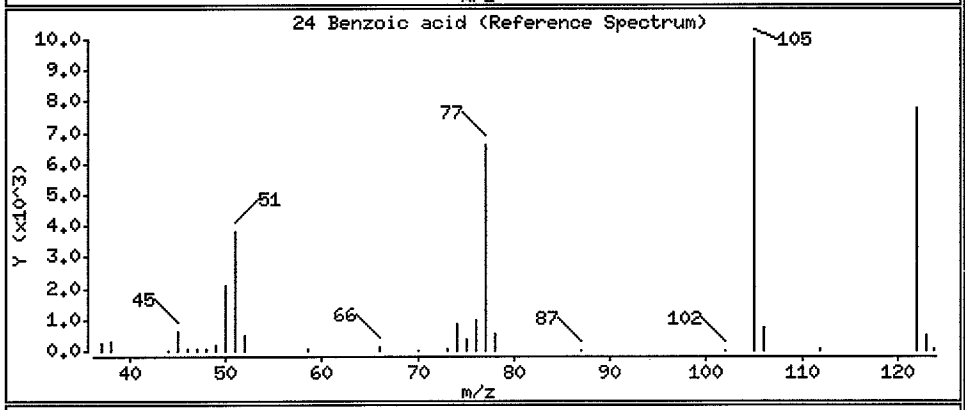
Column diameter: 0.32

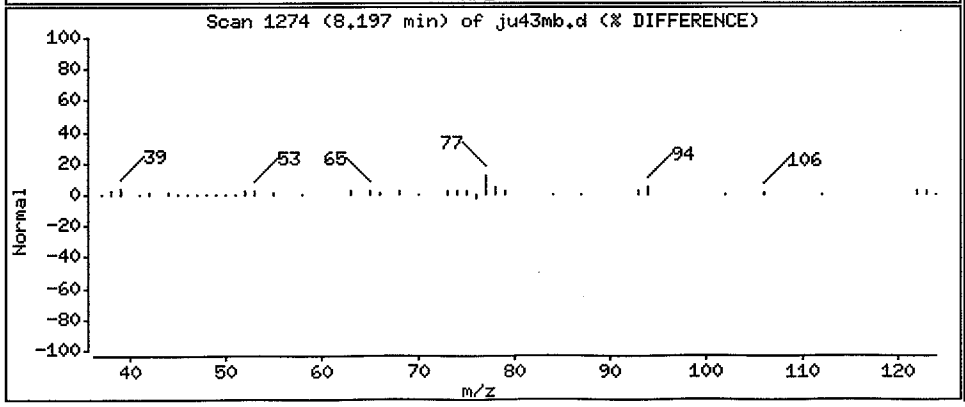
24 Benzoic acid

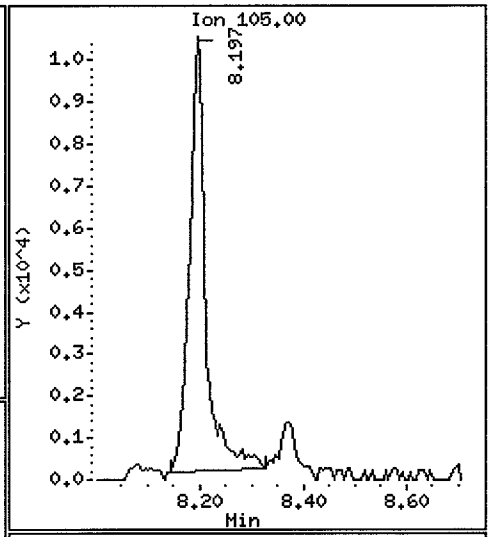
Concentration: 36.60 ug/kg

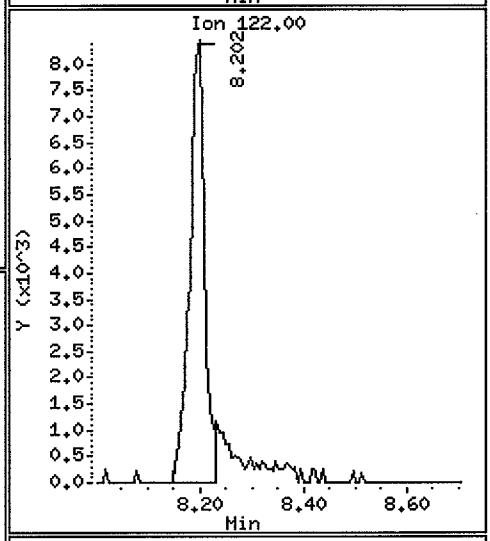


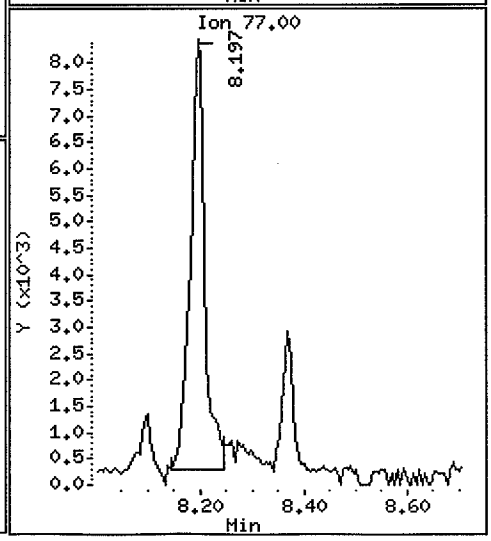




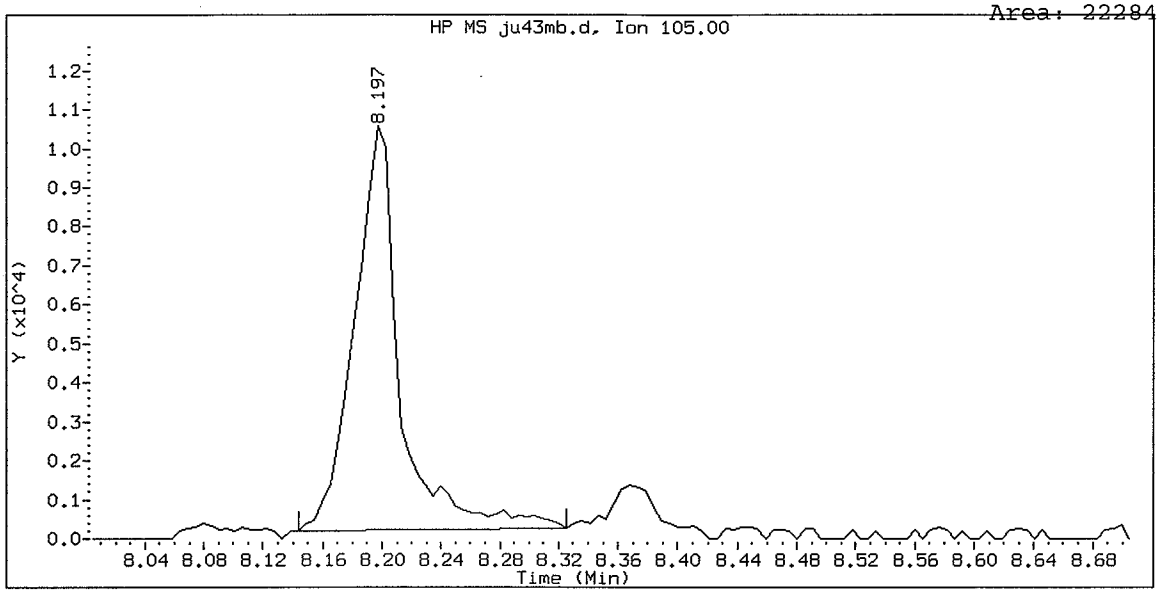


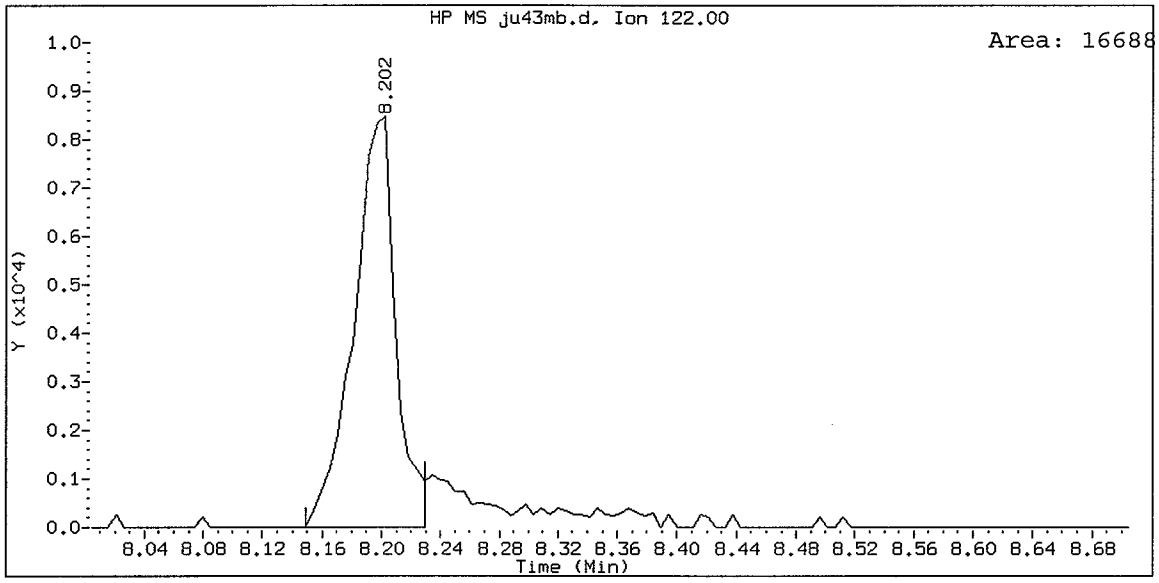


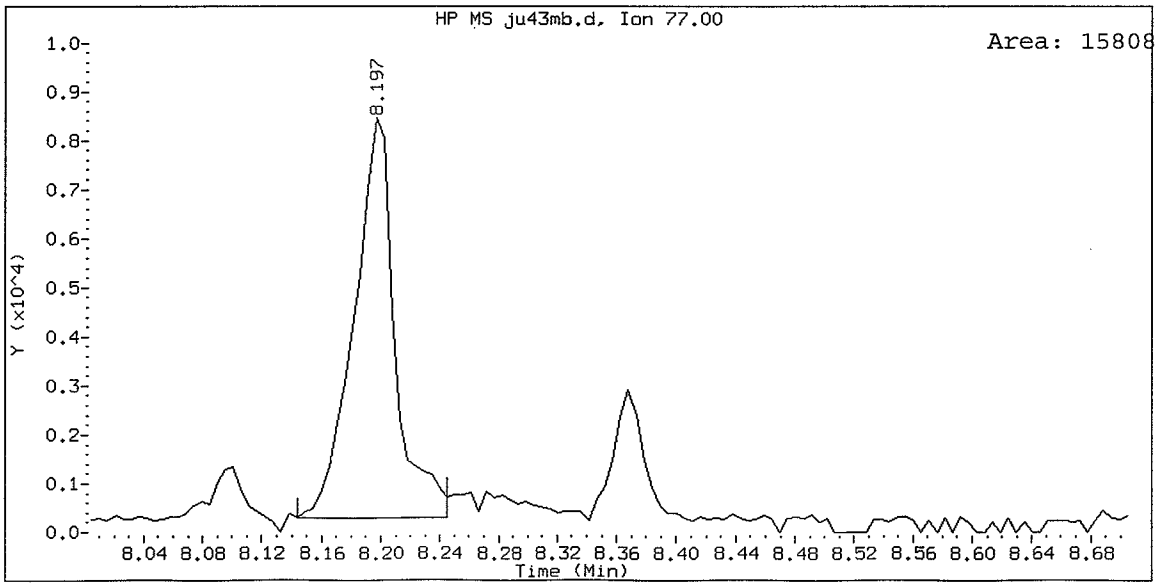




JU43MBS1, /chem1/nt6.i/20060913.b/ju43mb.d
Benzoic acid Amount: 1.83







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-F**
Page 1 of 1 **MATRIX SPIKE**

Lab Sample ID: JU43Q
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 02:39
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 19.5%
pH: 5.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	54.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43qms.d
Lab Smp Id: JU43QMS Client Smp ID: T4-S3-03-F MS
Inj Date : 14-SEP-2006 02:39
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43QMS
Misc Info : 06-15861
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:06 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 22 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	63.00000	Weight of sample extracted (g)
M	19.50000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.487	4.455	(0.705)	333200	16.7706	330.7
$	2 Phenol-d5	99	6.090	6.068	(0.957)	424196	18.3970	362.8
	3 Phenol	94	6.111	6.084	(0.961)	621686	22.9856	453.2
$	5 2-Chlorophenol-d4	132	6.095	6.084	(0.958)	332754	17.7781	350.5
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	6.122	6.111	(0.962)	317979	17.8378	351.7
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.362	6.357	(1.000)	256660	20.0000	
	9 1,4-Dichlorobenzene	146	6.384	6.384	(1.003)	222107	11.5059	226.9
$	10 1,2-Dichlorobenzene-d4	152	6.651	6.645	(1.045)	136956	11.9355	235.3
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	7.158	7.164	(1.125)	162947	10.1543	200.2
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.287	7.286	(0.870)	247419	10.9155	215.2
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.253	8.355	(0.985)	75909	5.88731 LPL	116.1(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	8.334	8.328	(0.995)	181180	13.1201	258.7
*	27 Naphthalene-d8	136	8.376	8.371	(1.000)	921016	20.0000	
	28 Naphthalene	128	8.403	8.403	(1.003)	30443	0.58445 LPL	11.52
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	9.477	9.466	(1.131)	304596	19.8198	390.8
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.182	10.177	(0.909)	441415	12.9137	254.6
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.197	11.186	(1.000)	530786	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.245	11.240	(1.004)	416216	13.7634	271.4
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	11.635	11.624	(1.039)	94501	20.6447	407.1(M)
	48 2,4-Dinitrotoluene	165	11.635	11.624	(1.039)	130579	14.1866	279.7
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.479	12.474	(1.115)	88544	23.6517	466.4
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	13.387	13.376	(0.990)	117306	26.5731	524.0
*	59 Phenanthrene-d10	188	13.526	13.515	(1.000)	769209	20.0000	
	60 Phenanthrene	178	13.558	13.553	(1.002)	172968	3.57154	70.42
	61 Anthracene	178	13.628	13.622	(1.008)	37855	0.82320 LPL	16.23
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	14.733	14.717	(1.089)	28337	0.53793 LDL	10.61(M)
	64 Fluoranthene	202	15.487	15.449	(1.145)	260860	5.74685	113.3
	65 Pyrene	202	15.813	15.786	(0.890)	952452	18.5901	366.6
$	66 Terphenyl-d14	244	16.181	16.170	(0.910)	419073	13.4722	265.6
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	17.752	17.736	(0.999)	96389	2.42151	47.75
*	69 Chrysene-d12	240	17.773	17.762	(1.000)	602025	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	17.811	17.800	(1.002)	128217	3.19738	63.05
	72 bis(2-Ethylhexyl)phthalate	149	18.126	18.120	(0.951)	26408	0.77503 LDL	15.28(M)
*	134 Di-n-octylphthalate-d4	153	19.061	19.044	(1.000)	1305256	20.0000	
	73 Di-n-octylphthalate	149	19.066	19.055	(1.000)	754905	13.1965	260.2
	74 Benzo(b)fluoranthene	252	19.386	19.365	(0.974)	110552	2.83570	55.91
	75 Benzo(k)fluoranthene	252	19.397	19.402	(0.975)	88222	1.72495	34.01(M)
	76 Benzo(a)pyrene	252	19.814	19.792	(0.996)	100108	2.82039	55.61
*	77 Perylene-d12	264	19.899	19.872	(1.000)	626795	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.229	21.213	(1.067)	82106	1.84629	36.41
	79 Dibenzo(a,h)anthracene	278	21.267	21.251	(1.069)	22157	0.60121 LDL	11.85(M)
	80 Benzo(g,h,i)perylene	276	21.523	21.502	(1.082)	517347	12.5925	248.3
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43qms.d
Lab Smp Id: JU43QMS
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15861

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: T4-S3-03-F MS
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	256660	8.12
27 Naphthalene-d8	860372	430186	1720744	921016	7.05
42 Acenaphthene-d10	494619	247310	989238	530786	7.31
59 Phenanthrene-d10	763854	381927	1527708	769209	0.70
69 Chrysene-d12	565991	282996	1131982	602025	6.37
134 Di-n-octylphthala	1274966	637483	2549932	1305256	2.38
77 Perylene-d12	631478	315739	1262956	626795	-0.74

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.09
27 Naphthalene-d8	8.37	7.87	8.87	8.38	0.06
42 Acenaphthene-d10	11.19	10.69	11.69	11.20	0.10
59 Phenanthrene-d10	13.52	13.02	14.02	13.53	0.08
69 Chrysene-d12	17.76	17.26	18.26	17.77	0.06
134 Di-n-octylphthala	19.04	18.54	19.54	19.06	0.08
77 Perylene-d12	19.87	19.37	20.37	19.90	0.13

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43QMS
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDAMS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15861

Client SDG: JU43
Fraction: SV
Client Smp ID: T4-S3-03-F MS
Operator: LJR/vts
SampleType: MS
Quant Type: ISTD

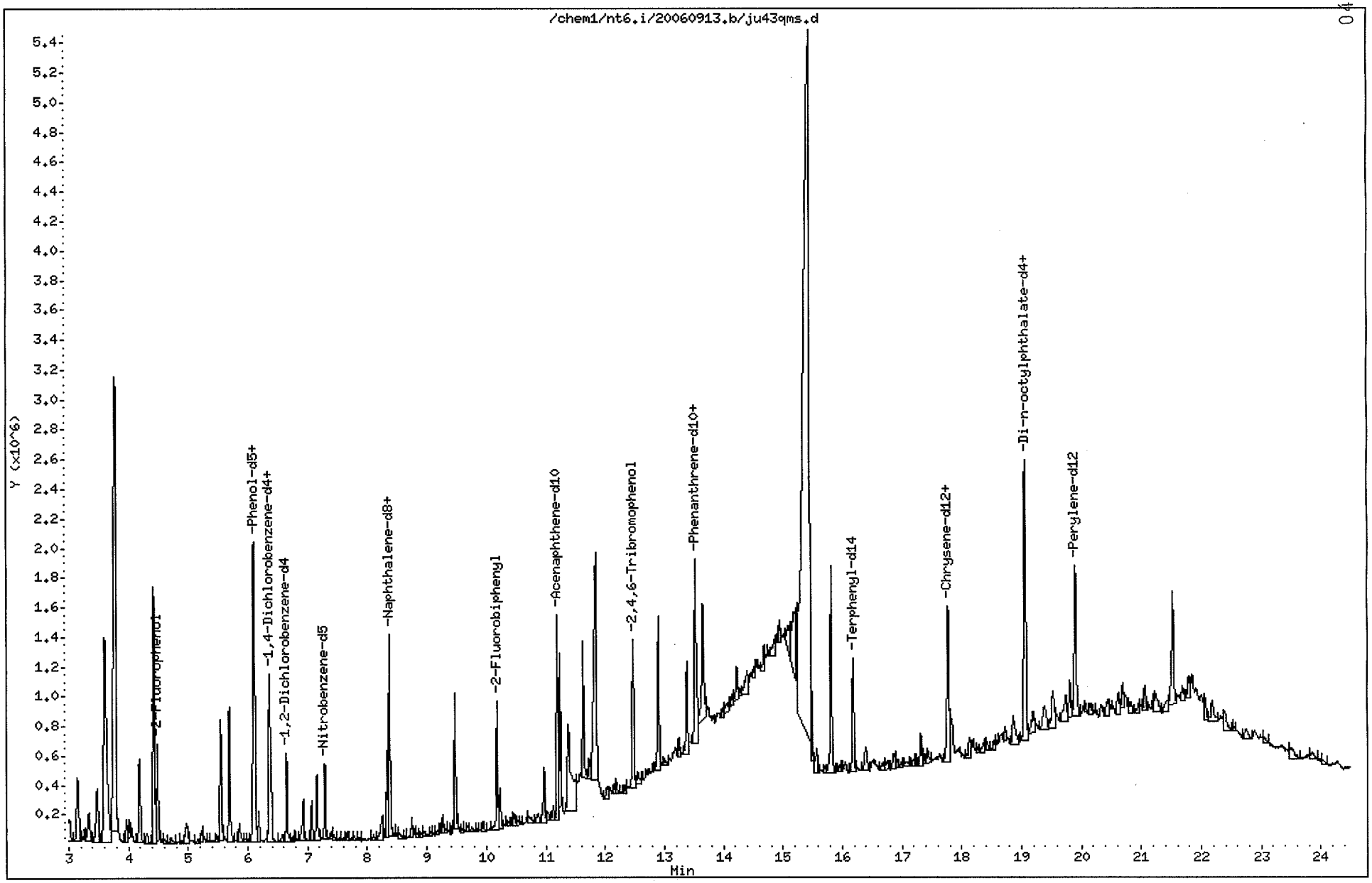
	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3	Phenol	739.4	453.2	61.29	32-121
6	2-Chlorophenol	739.4	351.7	47.57	39-111
9	1,4-Dichlorobenzen	493.0	226.9	46.02	34-88
16	N-Nitroso-di-n-pro	493.0	200.2	40.62	24-100
26	1,2,4-Trichloroben	493.0	258.7	52.48	41-91
31	4-Chloro-3-methylp	739.4	390.8	52.85	48-110
44	Acenaphthene	493.0	271.4	55.05	48-108
47	4-Nitrophenol	739.4	407.1	55.05	27-155
48	2,4-Dinitrotoluene	493.0	279.7	56.75	30-124
58	Pentachlorophenol	739.4	524.0	70.86	28-151
65	Pyrene	493.0	366.6	74.36	10-153

	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	739.4	330.7	44.72	22-91
$ 2	Phenol-d5	739.4	362.8	49.06	26-99
$ 5	2-Chlorophenol-d4	739.4	350.5	47.41	29-96
$ 10	1,2-Dichlorobenzen	493.0	235.3	47.74	24-87
$ 18	Nitrobenzene-d5	493.0	215.2	43.66	27-101
$ 36	2-Fluorobiphenyl	493.0	254.6	51.65	30-100
$ 55	2,4,6-Tribromophen	739.4	466.4	63.07	20-114
$ 66	Terphenyl-d14	493.0	265.6	53.89	12-120

Data File: /chem1/nt6.i/20060913.b/ju43qms.d
Date : 14-SEP-2006 02:39
Client ID: T4-S3-03-F MS
Sample Info: JU43QMS
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32

0433



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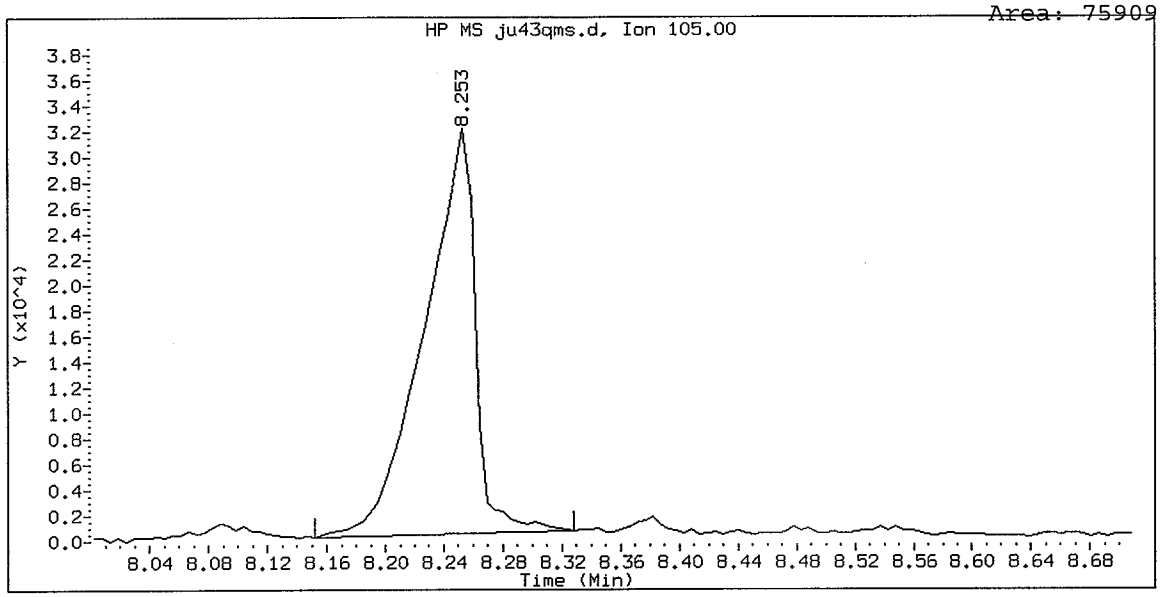
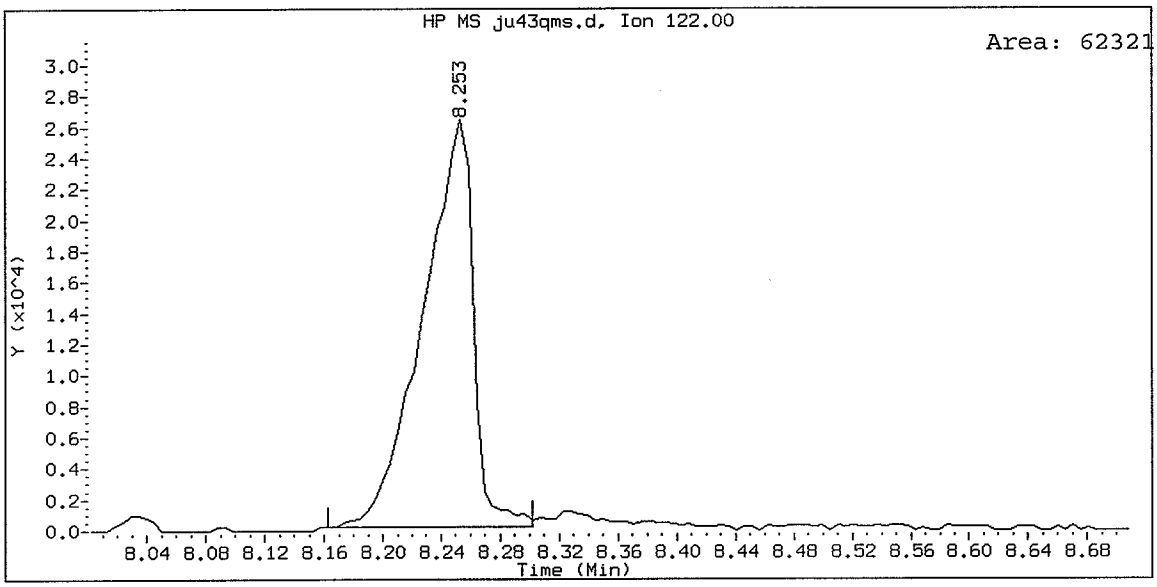
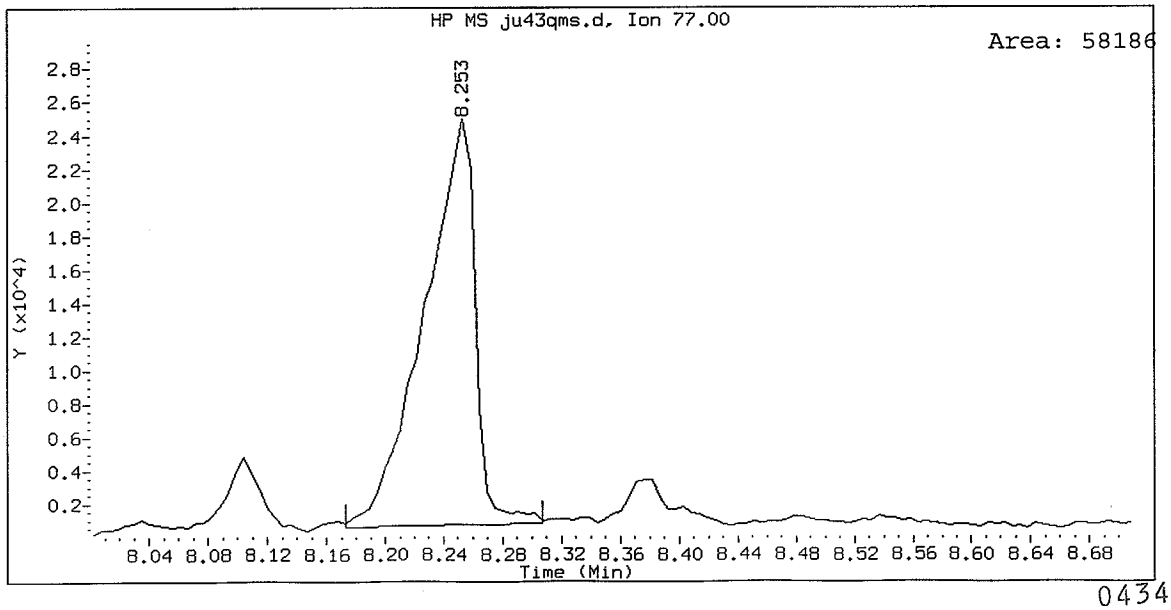
Benzoic acid Amount: 5.89







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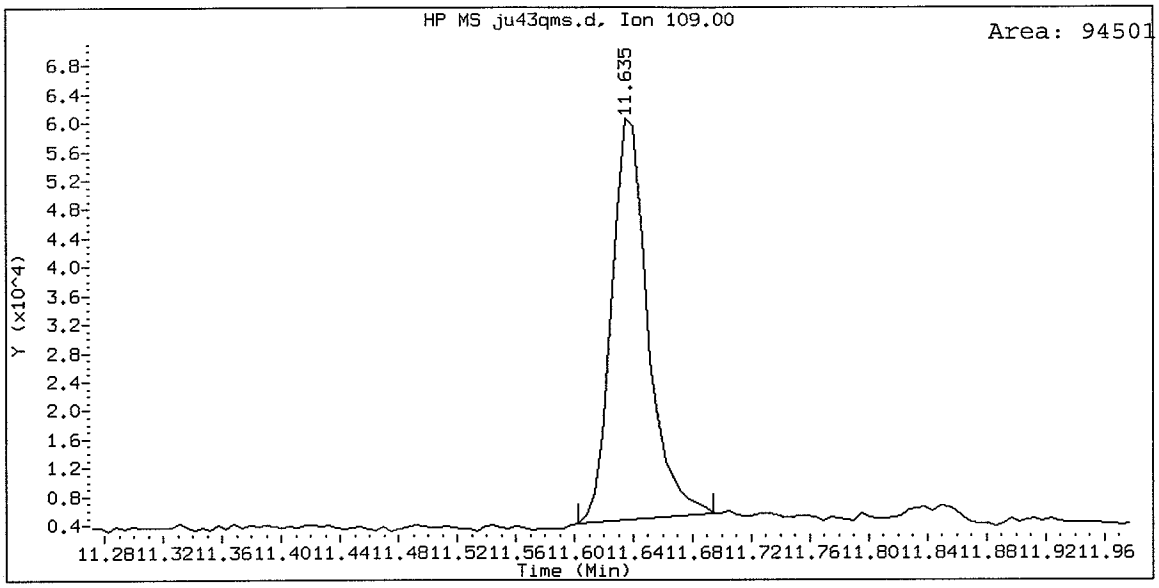
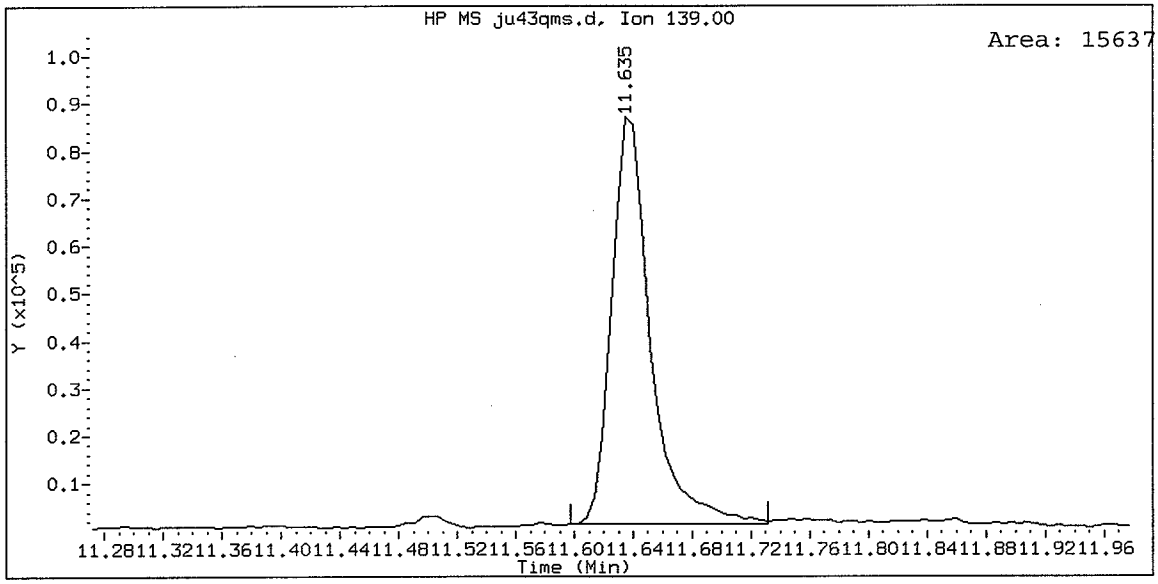
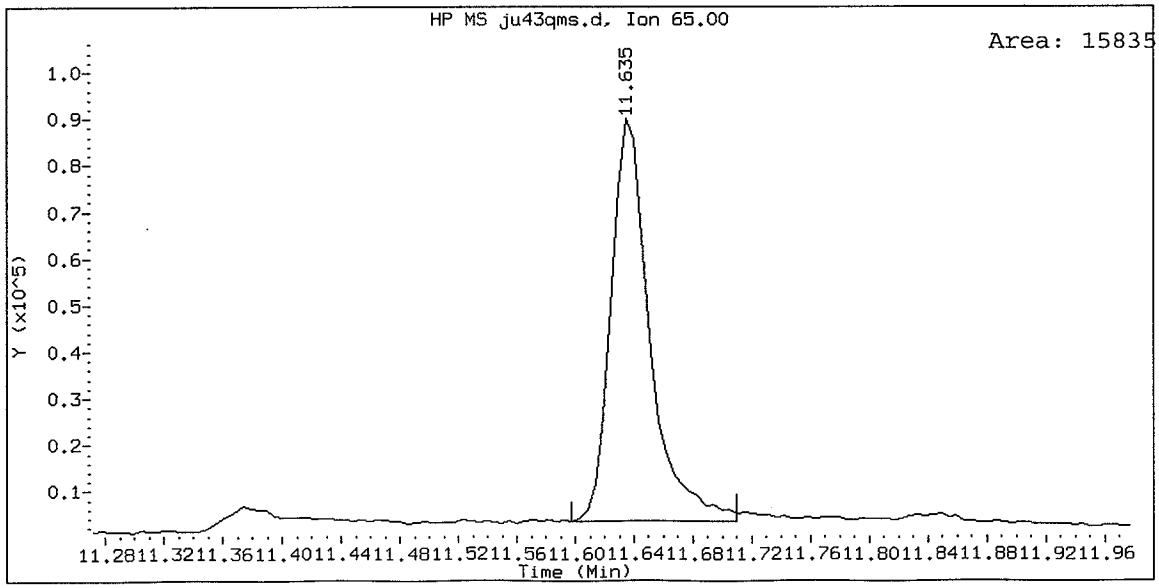
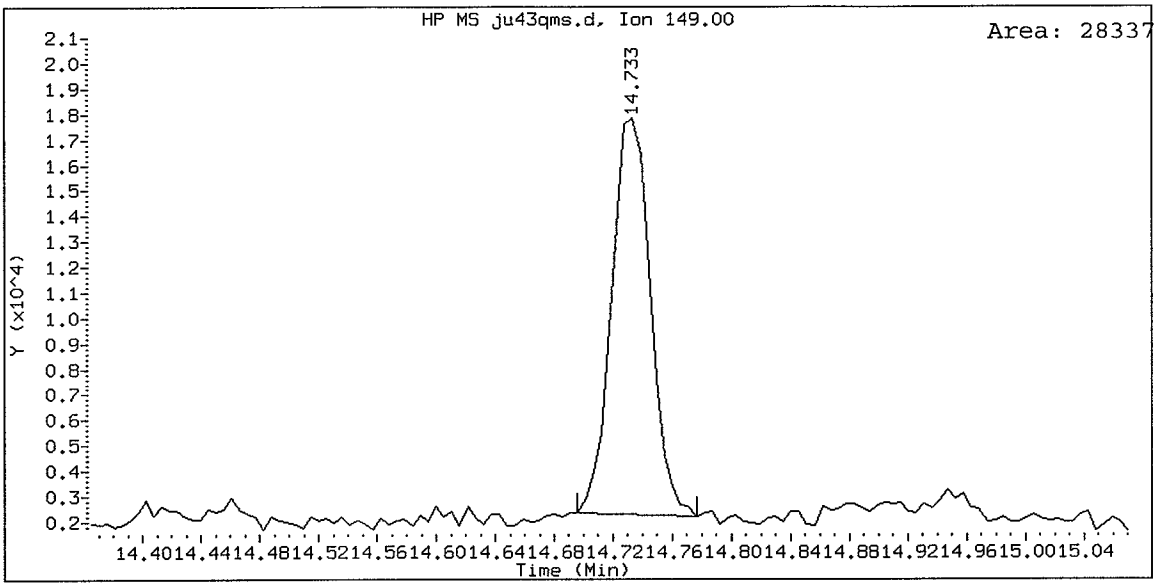
4-Nitrophenol Amount: 20.64

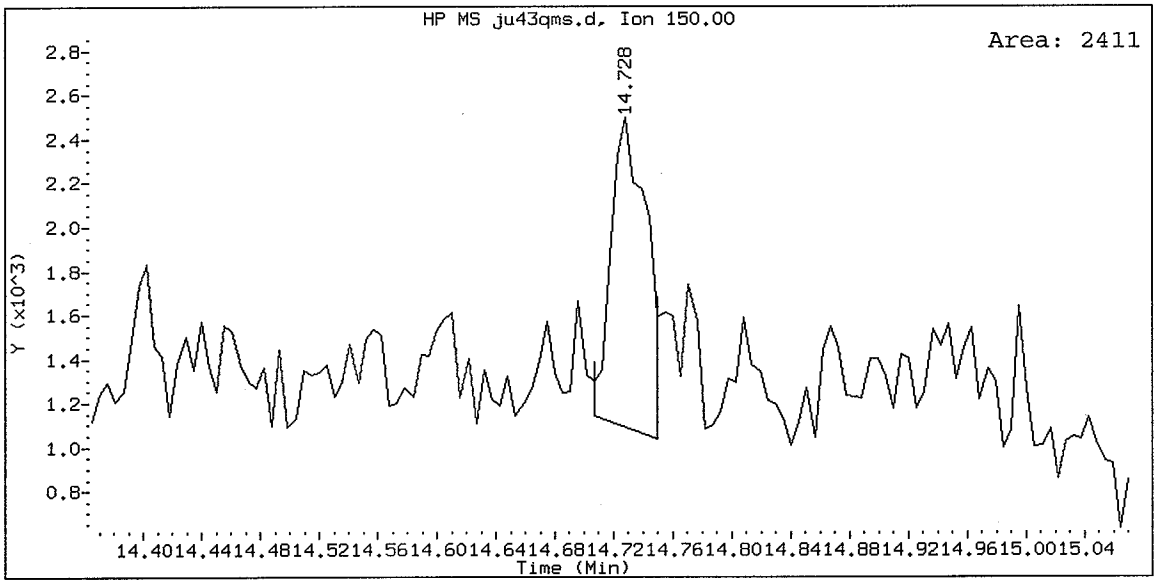


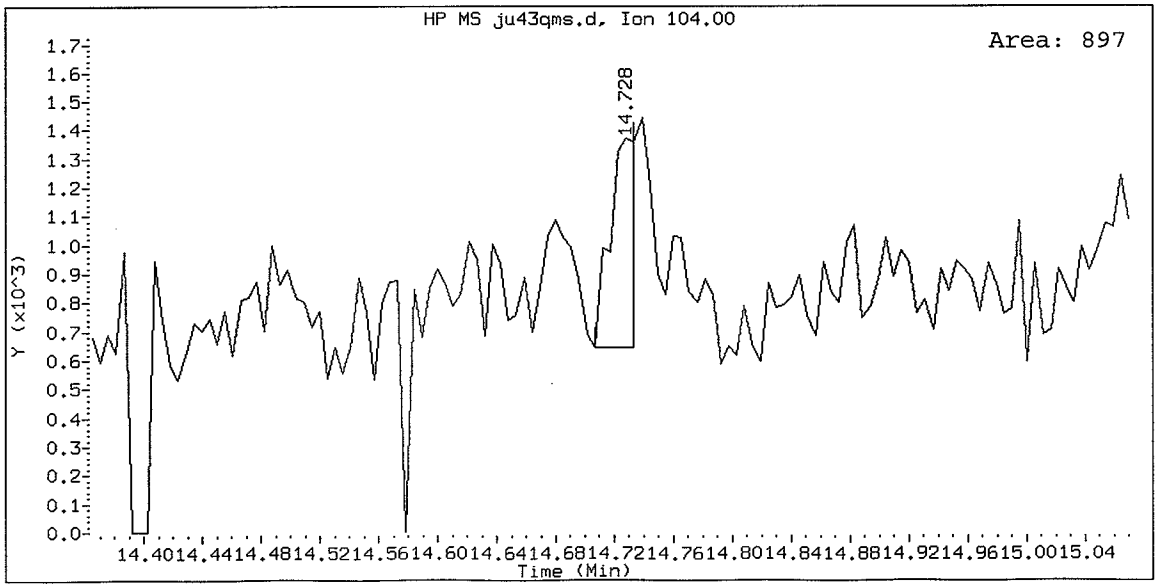




JU43QMS, /chem1/nt6.i/20060913.b/ju43qms.d
Di-n-butylphthalate Amount: 0.54







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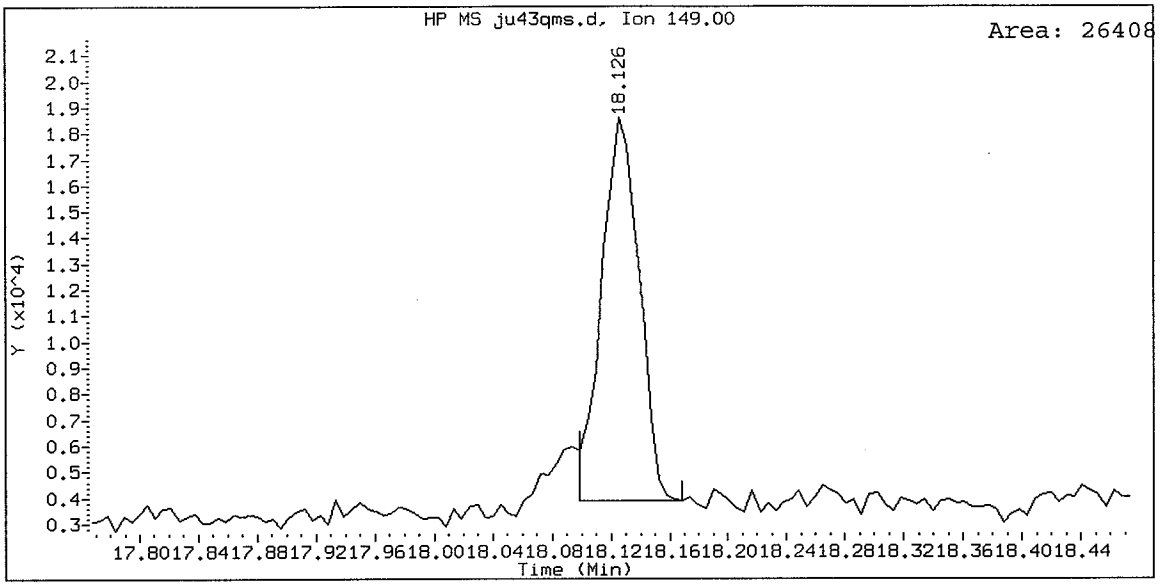
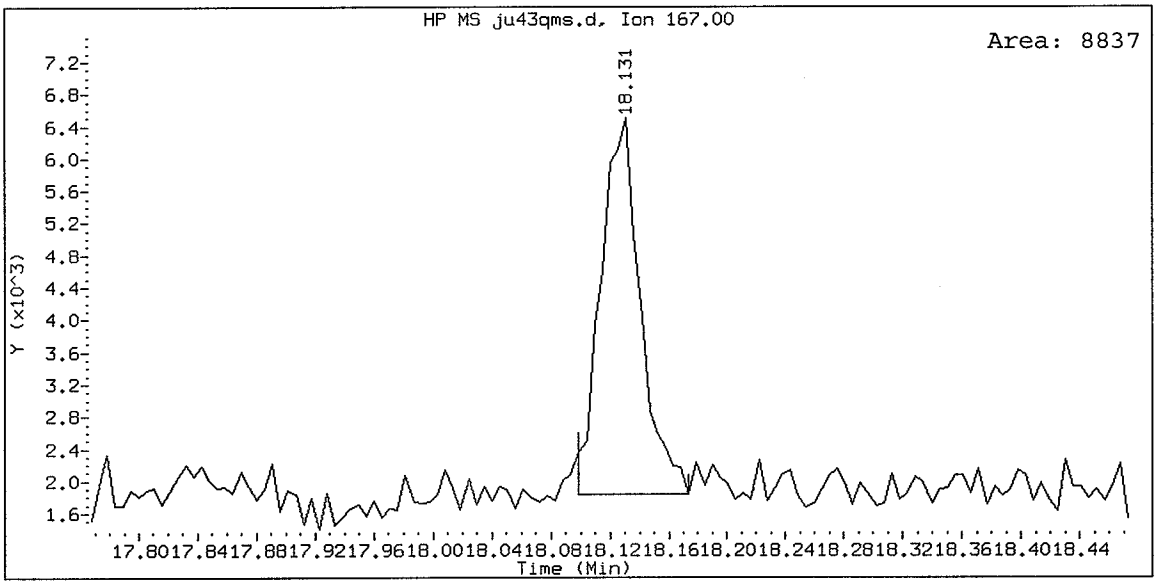
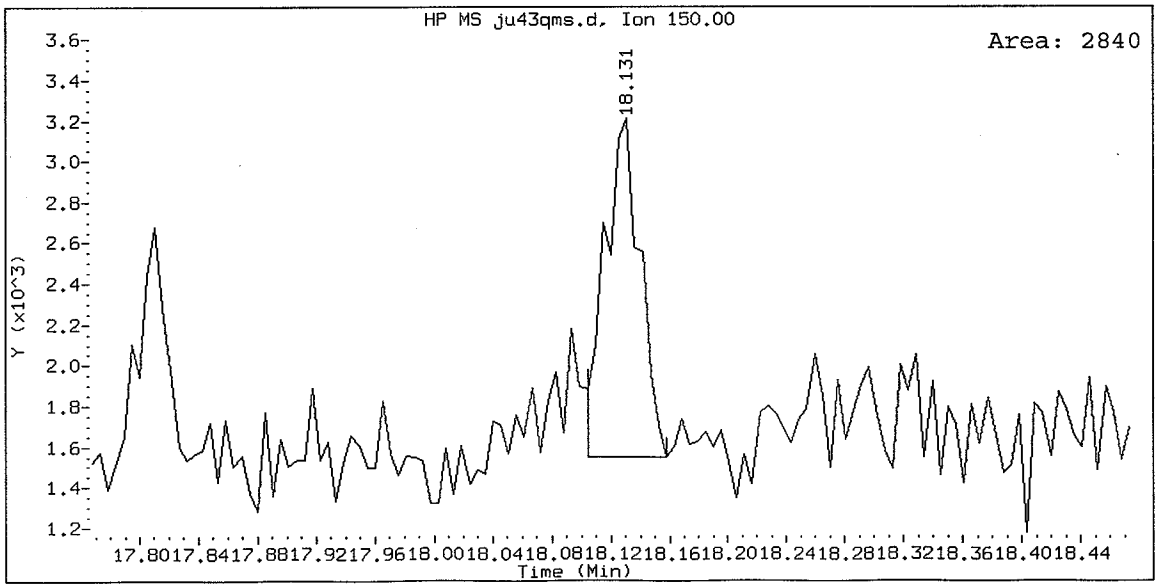
bis(2-Ethylhexyl)phthalate Amount: 0.78







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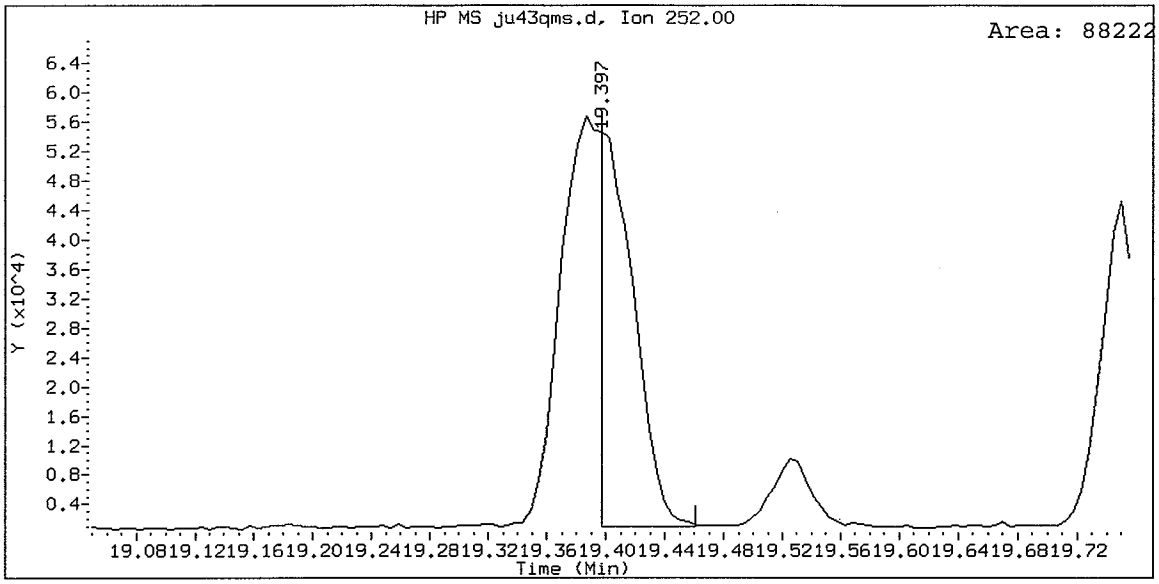
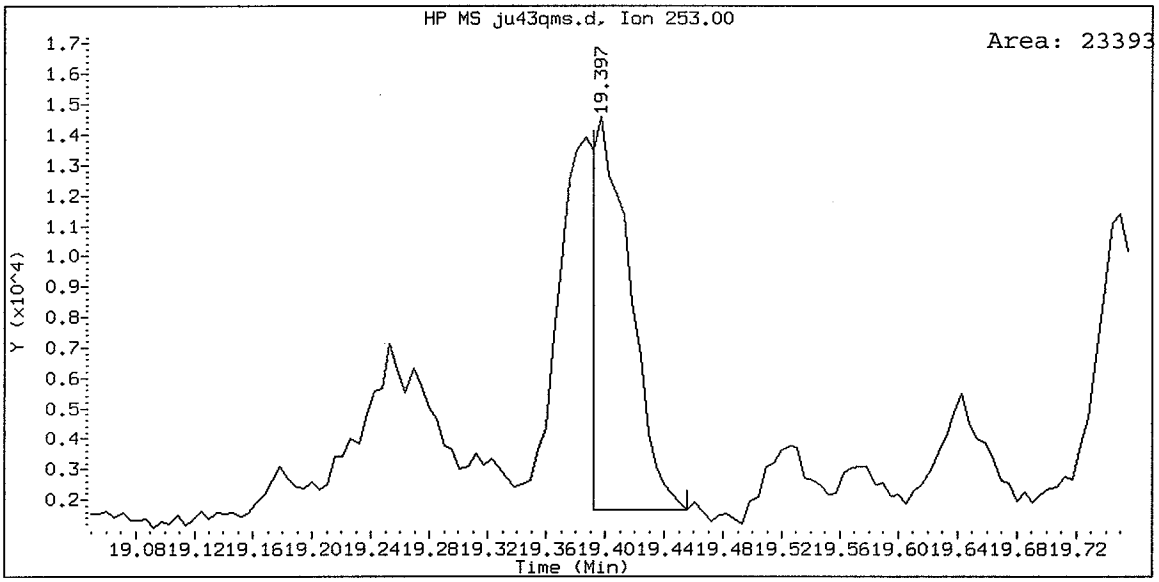
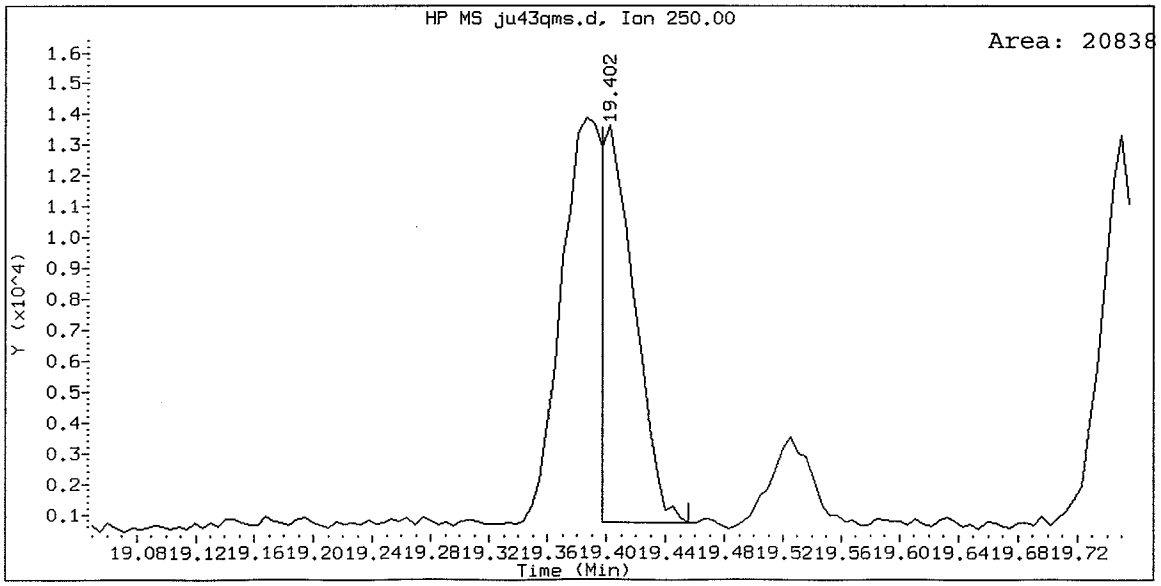
Benzo(k)fluoranthene Amount: 1.72







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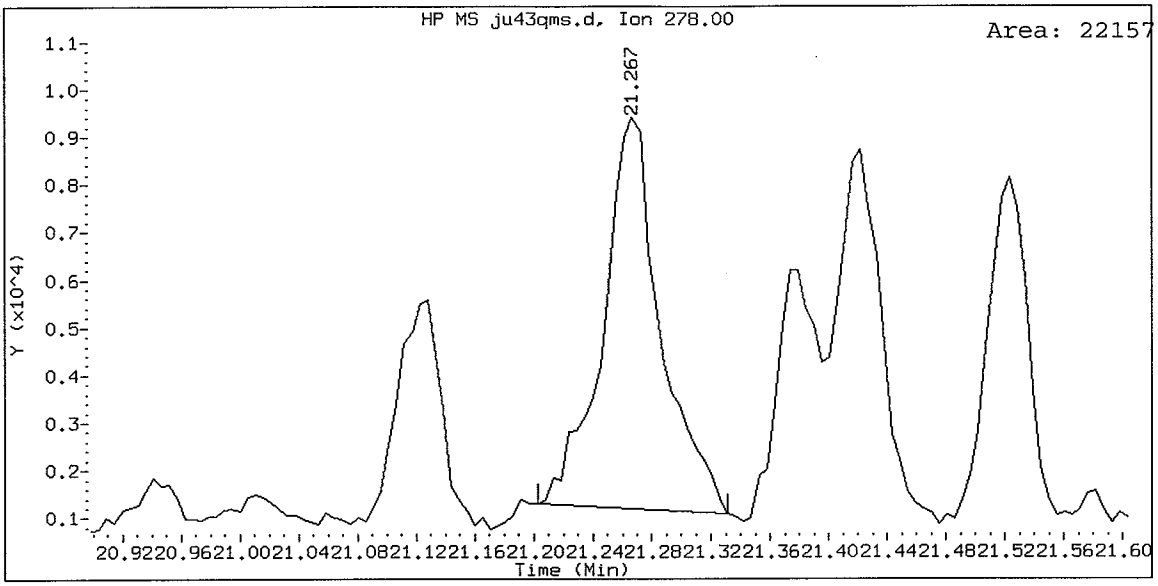
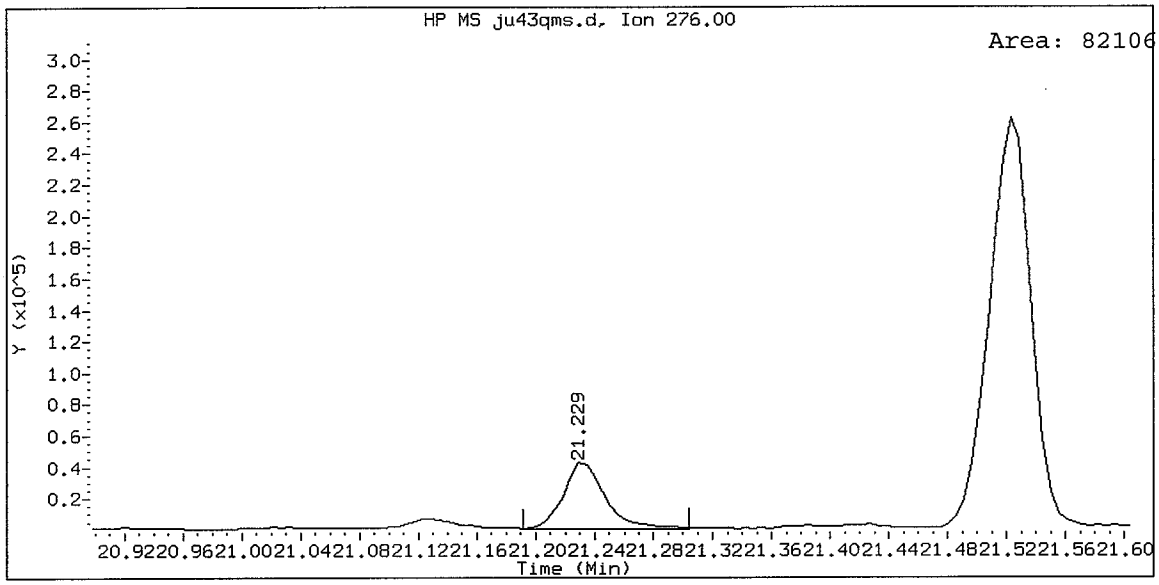
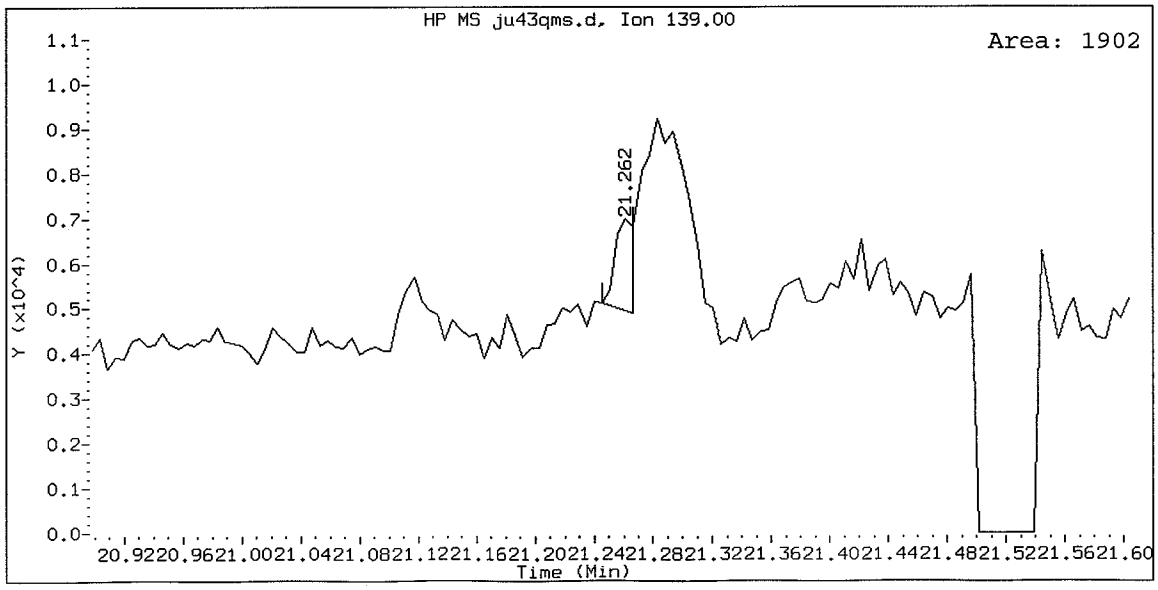
Dibenzo(a,h)anthracene Amount: 0.60







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: T4-S3-03-F**
Page 1 of 1 **MATRIX SPIKE DUPLICATE**

Lab Sample ID: JU43Q
LIMS ID: 06-15861
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted: 09/07/06
Date Analyzed: 09/14/06 10:24
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 19.5%
pH: 5.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**24**
117-84-0	Di-n-Octyl phthalate	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	58.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060914.b/ju43qmd2.d
Lab Smp Id: JU43QMSD Client Smp ID: T4-S3-03-F MSD
Inj Date : 14-SEP-2006 10:24
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43QMSD
Misc Info : 06-15861
Comment : 1ul Injection
Method : /chem1/nt6.i/20060914.b/SW846.m
Meth Date : 14-Sep-2006 12:29 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	63.70000	Weight of sample extracted (g)
M	19.50000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.334	4.327	(0.695)	314013	20.1575	393.1
$	2 Phenol-d5	99	5.974	5.967	(0.958)	420829	23.2772	453.9
	3 Phenol	94	5.995	5.983	(0.961)	418687	19.7432	385.0
$	5 2-Chlorophenol-d4	132	5.969	5.972	(0.957)	326865	22.2728	434.3
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	5.995	5.994	(0.961)	315622	22.5816	440.4
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	6.236	6.239	(1.000)	201240	20.0000	
	9 1,4-Dichlorobenzene	146	6.263	6.266	(1.004)	220487	14.5675	284.1
$	10 1,2-Dichlorobenzene-d4	152	6.530	6.528	(1.047)	134226	14.9191	290.9
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	7.043	7.051	(1.129)	163290	12.9780	253.1
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	7.171	7.174	(0.869)	242850	13.9658	272.4
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	8.111	8.243	(0.983)	29023	2.93414 LDL	57.22(H)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	8.212	8.216	(0.995)	173966	16.4212	320.2
*	27 Naphthalene-d8	136	8.255	8.259	(1.000)	706565	20.0000	
	28 Naphthalene	128	8.282	8.285	(1.003)	23425	0.58622 LDL	11.43
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	9.361	9.359	(1.134)	268825	22.8013	444.7
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.061	10.064	(0.909)	396623	15.7071	306.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	11.070	11.069	(1.000)	392109	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	11.119	11.117	(1.004)	362360	16.2204	316.3
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	11.514	11.523	(1.040)	80664	23.8541	465.2(M)
	48 2,4-Dinitrotoluene	165	11.509	11.512	(1.040)	116118	17.0772	333.0
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	12.347	12.351	(1.115)	72409	26.1824	510.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	13.255	13.254	(0.990)	94540	30.9671	603.9
*	59 Phenanthrene-d10	188	13.394	13.387	(1.000)	531964	20.0000	
	60 Phenanthrene	178	13.426	13.424	(1.002)	123396	3.68691	71.90
	61 Anthracene	178	13.496	13.494	(1.008)	22839	0.71816 LDL	14.01
	62 Carbazole	167	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	Compound Not Detected.					
64	Fluoranthene	202	15.344	15.321	(1.146)	207350	6.60524	128.8
65	Pyrene	202	15.670	15.657	(0.889)	821382	20.4114	398.0
$ 66	Terphenyl-d14	244	16.044	16.042	(0.910)	357968	14.6514	285.7
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	17.604	17.602	(0.998)	84862	2.71431	52.93
* 69	Chrysene-d12	240	17.631	17.623	(1.000)	472854	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	17.663	17.666	(1.002)	109686	3.48247	67.91
72	bis(2-Ethylhexyl)phthalate	149	17.999	17.997	(0.951)	34271	1.21422	23.68(M)
* 134	Di-n-octylphthalate-d4	153	18.929	18.922	(1.000)	1081201	20.0000	
73	Di-n-octylphthalate	149	18.934	18.932	(1.000)	749046	15.8076	308.3
74	Benzo(b)fluoranthene	252	19.233	19.231	(0.974)	100126	2.91305	56.81(M)
75	Benzo(k)fluoranthene	252	19.244	19.263	(0.975)	88898	1.98165	38.64(M)
76	Benzo(a)pyrene	252	19.661	19.659	(0.996)	99021	3.16428	61.71
* 77	Perylene-d12	264	19.746	19.739	(1.000)	552610	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.071	21.080	(1.067)	83194	2.12190	41.38
79	Dibenzo(a,h)anthracene	278	21.108	21.112	(1.069)	22845	0.70309 LOL	13.71(M)
80	Benzo(g,h,i)perylene	276	21.365	21.363	(1.082)	582138	16.0718	313.4
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	Compound Not Detected.					
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
111	Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43qmd2.d
Lab Smp Id: JU43QMSD
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060914.b/SW846.m
Misc Info: 06-15861

Calibration Date: 14-SEP-2006
Calibration Time: 09:25
Client Smp ID: T4-S3-03-F MSD
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	208683	104342	417366	201240	-3.57
27 Naphthalene-d8	725629	362814	1451258	706565	-2.63
42 Acenaphthene-d10	396823	198412	793646	392109	-1.19
59 Phenanthrene-d10	548113	274056	1096226	531964	-2.95
69 Chrysene-d12	378308	189154	756616	472854	24.99
134 Di-n-octylphthala	920406	460203	1840812	1081201	17.47
77 Perylene-d12	478845	239422	957690	552610	15.40

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.24	5.74	6.74	6.24	-0.05
27 Naphthalene-d8	8.26	7.76	8.76	8.26	-0.04
42 Acenaphthene-d10	11.07	10.57	11.57	11.07	0.02
59 Phenanthrene-d10	13.39	12.89	13.89	13.39	0.05
69 Chrysene-d12	17.62	17.12	18.12	17.63	0.04
134 Di-n-octylphthala	18.92	18.42	19.42	18.93	0.04
77 Perylene-d12	19.74	19.24	20.24	19.75	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43QMSD
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDAMS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060914.b/SW846.m
Misc Info: 06-15861

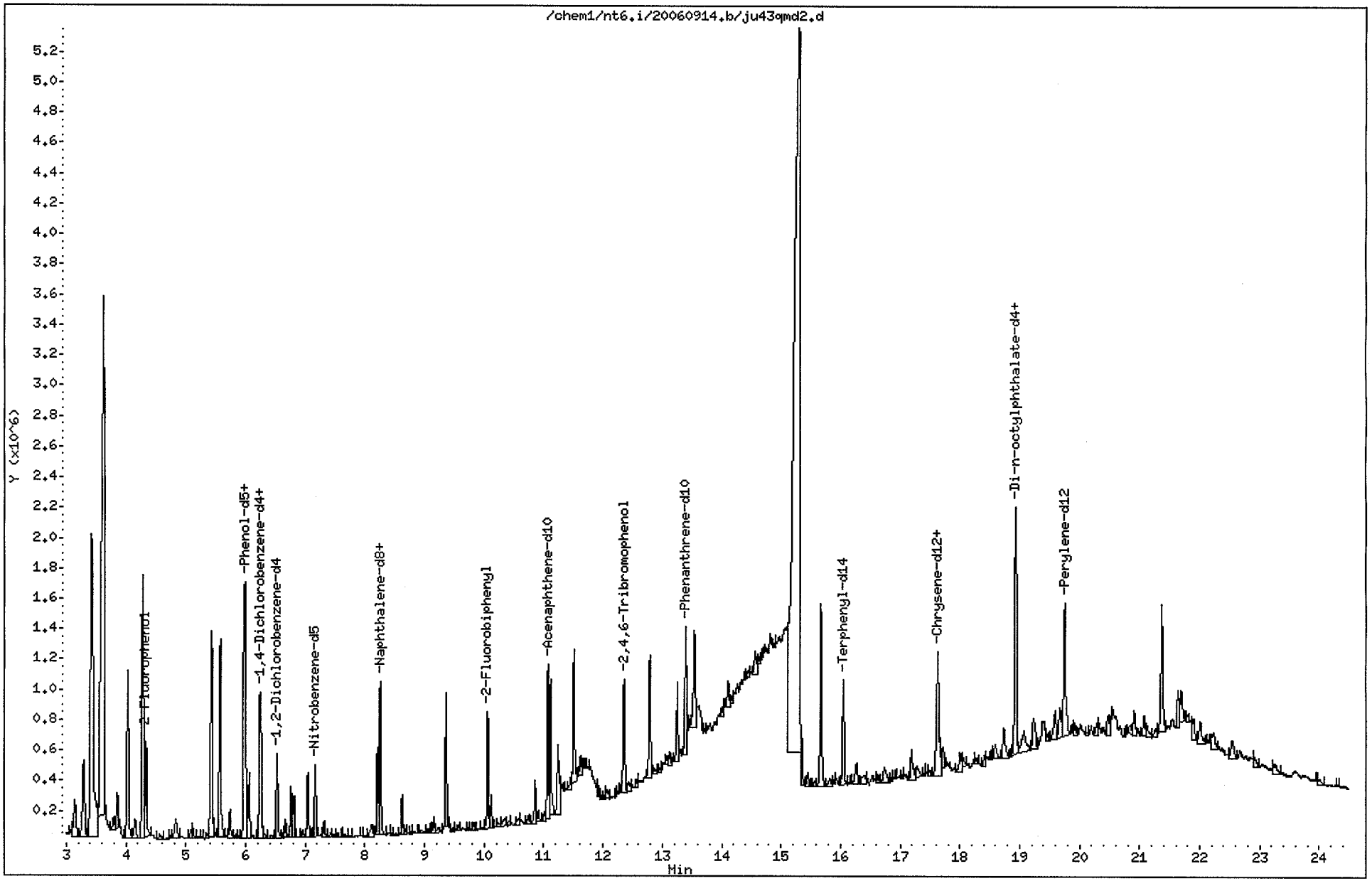
Client SDG: JU43
Fraction: SV
Client Smp ID: T4-S3-03-F MSD
Operator: LJR/vts
SampleType: MSD
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3	Phenol	731.3	385.0	52.65	32-121
6	2-Chlorophenol	731.3	440.4	60.22	39-111
9	1,4-Dichlorobenzen	487.5	284.1	58.27	34-88
16	N-Nitroso-di-n-pro	487.5	253.1	51.91	24-100
26	1,2,4-Trichloroben	487.5	320.2	65.68	41-91
31	4-Chloro-3-methylp	731.3	444.7	60.80	48-110
44	Acenaphthene	487.5	316.3	64.88	48-108
47	4-Nitrophenol	731.3	465.2	63.61	27-155
48	2,4-Dinitrotoluene	487.5	333.0	68.31	30-124
58	Pentachlorophenol	731.3	603.9	82.58	28-151
65	Pyrene	487.5	398.0	81.65	10-153

	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	731.3	393.1	53.75	22-91
$ 2	Phenol-d5	731.3	453.9	62.07	26-99
$ 5	2-Chlorophenol-d4	731.3	434.3	59.39	29-96
$ 10	1,2-Dichlorobenzen	487.5	290.9	59.68	24-87
$ 18	Nitrobenzene-d5	487.5	272.4	55.86	27-101
$ 36	2-Fluorobiphenyl	487.5	306.3	62.83	30-100
$ 55	2,4,6-Tribromophen	731.3	510.6	69.82	20-114
$ 66	Terphenyl-d14	487.5	285.7	58.61	12-120

Data File: /chem1/nt6.i/20060914.b/ju43qmd2.d
Date : 14-SEP-2006 10:24
Client ID: T4-S3-03-F MSD
Sample Info: JU43QMSD
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



MSD

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060913.b/ju43sb.d
Lab Smp Id: JU43LCSS1 Client Smp ID: JU43LCSS1
Inj Date : 13-SEP-2006 16:33
Operator : LJR/vts Inst ID: nt6.i
Smp Info : JU43LCSS1
Misc Info : 06-15861
Comment : 1ul Injection
Method : /chem1/nt6.i/20060913.b/SW846.m
Meth Date : 14-Sep-2006 11:06 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAMBLCS.sub
Target Version: 3.50

LJR 9/14/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	50.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.468	4.455	(0.703)	365953	20.4164	408.3
$	2 Phenol-d5	99	6.076	6.068	(0.955)	453147	21.7836	435.7
	3 Phenol	94	6.092	6.084	(0.958)	375913	15.4057	308.1
$	5 2-Chlorophenol-d4	132	6.092	6.084	(0.958)	352147	20.8543	417.1
	4 Bis(2-Chloroethyl)ether	93	6.081	6.079	(0.956)	264064	14.5356	290.7
	6 2-Chlorophenol	128	6.114	6.111	(0.961)	251167	15.6176	312.4
	7 1,3-Dichlorobenzene	146	6.290	6.287	(0.989)	260074	15.0117	300.2
*	8 1,4-Dichlorobenzene-d4	152	6.359	6.357	(1.000)	231552	20.0000	
	9 1,4-Dichlorobenzene	146	6.381	6.384	(1.003)	261457	15.0130	300.3
$	10 1,2-Dichlorobenzene-d4	152	6.648	6.645	(1.045)	120269	11.6178	232.4
	12 1,2-Dichlorobenzene	146	6.669	6.667	(1.049)	250899	15.4480	309.0
	11 Benzyl alcohol	108	6.690	6.693	(1.052)	181412	14.9219	298.4
	14 2,2'-oxybis(1-Chloropropane)	45	6.942	6.950	(1.092)	346049	12.7792	255.6 (R)
	13 2-Methylphenol	108	6.984	6.987	(1.098)	235995	14.6678	293.4
	17 Hexachloroethane	117	7.145	7.142	(1.123)	107407	15.1985	304.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	7.161	7.164	(1.126)	186537	12.8848	257.7
	15 4-Methylphenol	108	7.230	7.222	(1.137)	513836	31.1831	623.7
$	18 Nitrobenzene-d5	82	7.283	7.286	(0.870)	256136	12.3845	247.7
	19 Nitrobenzene	77	7.310	7.318	(0.874)	285718	14.4902	289.8(R)
	20 Isophorone	82	7.705	7.708	(0.921)	537889	15.3992	308.0
	21 2-Nitrophenol	139	7.828	7.831	(0.936)	137565	17.2454	344.9
	22 2,4-Dimethylphenol	107	8.021	8.029	(0.958)	169809	10.1045	202.1
	23 Bis(2-Chloroethoxy)methane	93	8.138	8.141	(0.973)	316870	14.9343	298.7
	24 Benzoic acid	105	8.277	8.355	(0.989)	209407	17.7997	356.0
	25 2,4-Dichlorophenol	162	8.240	8.243	(0.985)	197002	16.9688	339.4
	26 1,2,4-Trichlorobenzene	180	8.325	8.328	(0.995)	202469	16.0688	321.4
*	27 Naphthalene-d8	136	8.368	8.371	(1.000)	840368	20.0000	
	28 Naphthalene	128	8.400	8.403	(1.004)	677580	15.6228	312.5
	29 4-Chloroaniline	127	8.587	8.590	(1.026)	257369	13.7100	274.2
	30 Hexachlorobutadiene	225	8.747	8.745	(1.045)	90558	14.9449	298.9
	31 4-Chloro-3-methylphenol	107	9.463	9.466	(1.131)	225757	16.0996	322.0
	32 2-Methylnaphthalene	141	9.511	9.514	(1.137)	367926	15.8533	317.1
	33 Hexachlorocyclopentadiene	237	9.901	9.904	(0.885)	89152	17.6976	354.0
	34 2,4,6-Trichlorophenol	196	10.056	10.059	(0.899)	133262	16.7039	334.1
	35 2,4,5-Trichlorophenol	196	10.125	10.123	(0.905)	141697	16.5165	330.3
$	36 2-Fluorobiphenyl	172	10.174	10.177	(0.909)	385317	12.4073	248.1
	37 2-Chloronaphthalene	162	10.270	10.278	(0.918)	428897	15.6923	313.8
	38 2-Nitroaniline	65	10.537	10.540	(0.942)	160601	14.8820	297.6
	39 Dimethylphthalate	163	10.943	10.940	(0.978)	465429	15.7940	315.9
	40 Acenaphthylene	152	10.932	10.935	(0.977)	658468	14.9615	299.2
	41 2,6-Dinitrotoluene	165	11.018	11.021	(0.985)	113992	17.7704	355.4
*	42 Acenaphthene-d10	164	11.189	11.186	(1.000)	482242	20.0000	
	43 3-Nitroaniline	138	11.215	11.218	(1.002)	238181	29.0541	581.1
	44 Acenaphthene	153	11.237	11.240	(1.004)	417119	15.1818	303.6
	45 2,4-Dinitrophenol	184	11.370	11.379	(1.016)	45010	35.3775	707.5
	46 Dibenzofuran	168	11.498	11.501	(1.028)	598776	16.3625	327.3
	47 4-Nitrophenol	109	11.616	11.624	(1.038)	75498	18.1535	363.1
	48 2,4-Dinitrotoluene	165	11.621	11.624	(1.039)	148330	17.7373	354.7
	50 Diethylphthalate	149	12.086	12.094	(1.080)	485188	16.1601	323.2
	49 Fluorene	166	12.043	12.046	(1.076)	488282	16.0047	320.1
	51 4-Chlorophenyl-phenylether	204	12.107	12.110	(1.082)	210425	15.5468	310.9
	52 4-Nitroaniline	138	12.188	12.201	(1.089)	99058	12.3994	248.0(R)
	53 4,6-Dinitro-2-methylphenol	198	12.257	12.271	(0.907)	66259	23.2107	464.2
	54 N-Nitrosodiphenylamine	169	12.316	12.324	(0.911)	310518	20.6340	412.7
$	55 2,4,6-Tribromophenol	330	12.471	12.474	(1.115)	87001	25.5789	511.6
	56 4-Bromophenyl-phenylether	248	12.866	12.869	(0.952)	109316	15.3887	307.8
	57 Hexachlorobenzene	284	13.048	13.051	(0.966)	121946	15.6746	313.5
	58 Pentachlorophenol	266	13.368	13.376	(0.989)	75560	18.2317	364.6
*	59 Phenanthrene-d10	188	13.512	13.515	(1.000)	722157	20.0000	
	60 Phenanthrene	178	13.544	13.553	(1.002)	684062	16.1345	322.7
	61 Anthracene	178	13.614	13.622	(1.008)	638418	14.7877	295.8
	62 Carbazole	167	13.934	13.937	(1.031)	648633	16.4434	328.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
63	Di-n-butylphthalate	149	14.720	14.717	(1.089)	857299	17.3348	346.7
64	Fluoranthene	202	15.446	15.449	(1.143)	695609	16.3230	326.5
65	Pyrene	202	15.783	15.786	(0.889)	711963	15.2238	304.5
$ 66	Terphenyl-d14	244	16.162	16.170	(0.910)	404760	14.2552	285.1
67	Butylbenzylphthalate	149	17.086	17.089	(0.962)	381631	16.4822	329.6
68	Benzo(a)anthracene	228	17.733	17.736	(0.998)	577879	15.9046	318.1
* 69	Chrysene-d12	240	17.759	17.762	(1.000)	549525	20.0000	
70	3,3'-Dichlorobenzidine	252	17.791	17.794	(1.002)	89080	6.97779	139.6
71	Chrysene	228	17.797	17.800	(1.002)	564931	15.4337	308.7
72	bis(2-Ethylhexyl)phthalate	149	18.117	18.120	(0.951)	536861	16.7930	335.9
* 134	Di-n-octylphthalate-d4	153	19.041	19.044	(1.000)	1224645	20.0000	
73	Di-n-octylphthalate	149	19.057	19.055	(1.001)	865115	16.1186	322.4
74	Benzo(b)fluoranthene	252	19.362	19.365	(0.974)	641693	19.5158	390.3
75	Benzo(k)fluoranthene	252	19.394	19.402	(0.976)	602251	17.5251	350.5
76	Benzo(a)pyrene	252	19.789	19.792	(0.996)	504111	16.8395	336.8
* 77	Perylene-d12	264	19.869	19.872	(1.000)	528642	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.210	21.213	(1.067)	636785	16.9778	339.6
79	Dibenzo(a,h)anthracene	278	21.248	21.251	(1.069)	544064	17.5036	350.1
80	Benzo(g,h,i)perylene	276	21.499	21.502	(1.082)	554495	16.0027	320.1
90	N-Nitrosodimethylamine	74	1.904	1.891	(0.299)	153993	12.3967	247.9
91	Aniline	93	5.948	5.940	(0.935)	179953	6.58046	131.6
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	1.893	1.869	(0.298)	147623	6.99558	139.9
105	1-methylnaphthalene	141	9.677	9.680	(1.156)	378349	16.0101	320.2
111	Azobenzene (1,2-DP-Hydrazine)	77	12.348	12.351	(1.104)	598183	15.3428	306.9

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: ju43sb.d
Lab Smp Id: JU43LCSS1
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/vts
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15861

Calibration Date: 13-SEP-2006
Calibration Time: 14:57
Client Smp ID: JU43LCSS1
Level: LOW
Sample Type: Solid

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	237377	118688	474754	231552	-2.45
27 Naphthalene-d8	860372	430186	1720744	840368	-2.33
42 Acenaphthene-d10	494619	247310	989238	482242	-2.50
59 Phenanthrene-d10	763854	381927	1527708	722157	-5.46
69 Chrysene-d12	565991	282996	1131982	549525	-2.91
134 Di-n-octylphthala	1274966	637483	2549932	1224645	-3.95
77 Perylene-d12	631478	315739	1262956	528642	-16.28

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.36	5.86	6.86	6.36	0.04
27 Naphthalene-d8	8.37	7.87	8.87	8.37	-0.04
42 Acenaphthene-d10	11.19	10.69	11.69	11.19	0.02
59 Phenanthrene-d10	13.52	13.02	14.02	13.51	-0.02
69 Chrysene-d12	17.76	17.26	18.26	17.76	-0.02
134 Di-n-octylphthala	19.04	18.54	19.54	19.04	-0.02
77 Perylene-d12	19.87	19.37	20.37	19.87	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JU43LCSS1
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDAMBLCS.sub
Method File: /chem1/nt6.i/20060913.b/SW846.m
Misc Info: 06-15861

Client SDG: JU43
Fraction: SV
Client Smp ID: JU43LCSS1
Operator: LJR/vts
SampleType: LCS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3	Phenol	500.0	308.1	61.62	42-101
4	Bis(2-Chloroethyl)	500.0	290.7	58.14	55-102
6	2-Chlorophenol	500.0	312.4	62.47	43-99
7	1,3-Dichlorobenzen	500.0	300.2	60.05	53-95
9	1,4-Dichlorobenzen	500.0	300.3	60.05	39-93
11	Benzyl alcohol	500.0	298.4	59.69	19-123
12	1,2-Dichlorobenzen	500.0	309.0	61.79	54-96
13	2-Methylphenol	500.0	293.4	58.67	53-108
14	2,2'-oxybis(1-Chlo	500.0	255.6	51.12 *	53-103
15	4-Methylphenol	1000	623.7	62.37	54-116
16	N-Nitroso-di-n-pro	500.0	257.7	51.54	31-108
17	Hexachloroethane	500.0	304.0	60.79	52-99
19	Nitrobenzene	500.0	289.8	57.96 *	58-112
20	Isophorone	500.0	308.0	61.60	59-122
21	2-Nitrophenol	500.0	344.9	68.98 OK	58-112
22	2,4-Dimethylphenol	500.0	202.1	40.42	17-121
23	Bis(2-Chloroethoxy	500.0	298.7	59.74	57-116
24	Benzoic acid	500.0	356.0	71.20	39-143
25	2,4-Dichlorophenol	500.0	339.4	67.88	57-119
26	1,2,4-Trichloroben	500.0	321.4	64.28	40-102
28	Naphthalene	500.0	312.5	62.49	58-106
29	4-Chloroaniline	1200	274.2	22.85	10-57
30	Hexachlorobutadien	500.0	298.9	59.78	56-108
31	4-Chloro-3-methylp	500.0	322.0	64.40	42-121
32	2-Methylnaphthalen	500.0	317.1	63.41	59-111
33	Hexachlorocyclopen	500.0	354.0	70.79	31-122
34	2,4,6-Trichlorophe	500.0	334.1	66.82	58-114
35	2,4,5-Trichlorophe	500.0	330.3	66.07	57-115
37	2-Chloronaphthalen	500.0	313.8	62.77	58-112
38	2-Nitroaniline	500.0	297.6	59.53	36-89
39	Dimethylphthalate	500.0	315.9	63.18	59-126
40	Acenaphthylene	500.0	299.2	59.85	58-114
41	2,6-Dinitrotoluene	500.0	355.4	71.08	58-131

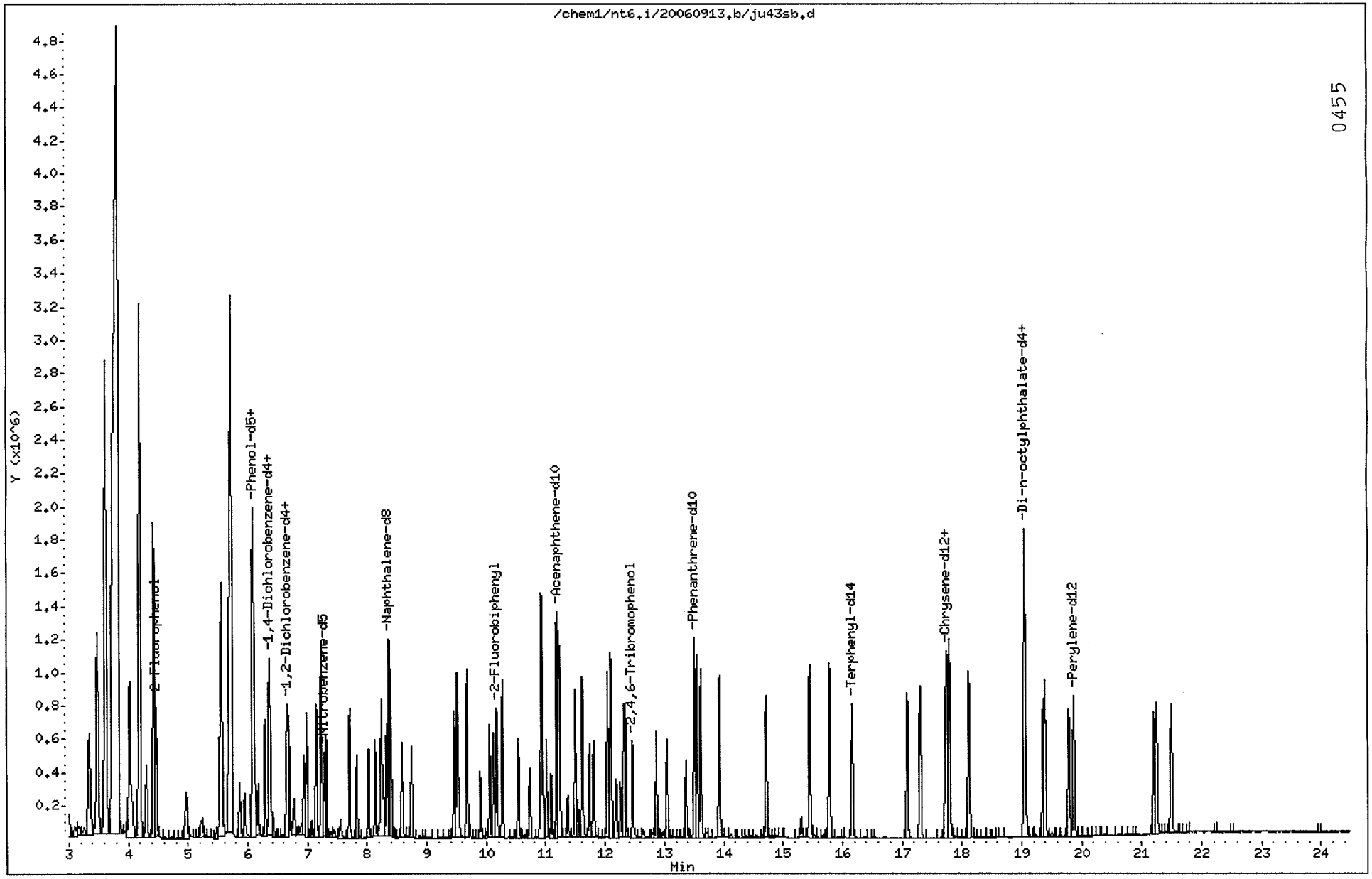
	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
43	3-Nitroaniline	1280	581.1	45.40	33-92
44	Acenaphthene	500.0	303.6	60.73	43-108
45	2,4-Dinitrophenol	500.0	707.5	141.51	10-174
46	Dibenzofuran	500.0	327.3	65.45	57-117
47	4-Nitrophenol	500.0	363.1	72.61	34-140
48	2,4-Dinitrotoluene	500.0	354.7	70.95	32-126
49	Fluorene	500.0	320.1	64.02	57-124
50	Diethylphthalate	500.0	323.2	64.64	60-134
51	4-Chlorophenyl-phe	500.0	310.9	62.19	57-125
52	4-Nitroaniline	500.0	248.0	49.60 *	52-109
53	4,6-Dinitro-2-meth	500.0	464.2	92.84	24-151
54	N-Nitrosodiphenyla	500.0	412.7	82.54	51-131
56	4-Bromophenyl-phen	500.0	307.8	61.55	60-125
57	Hexachlorobenzene	500.0	313.5	62.70	59-122
58	Pentachlorophenol	500.0	364.6	72.93	39-117
60	Phenanthrene	500.0	322.7	64.54	56-129
61	Anthracene	500.0	295.8	59.15	55-116
62	Carbazole	500.0	328.9	65.77	60-131
63	Di-n-butylphthalat	500.0	346.7	69.34	59-144
64	Fluoranthene	500.0	326.5	65.29	55-137
65	Pyrene	500.0	304.5	60.90	39-127
67	Butylbenzylphthala	500.0	329.6	65.93	56-148
68	Benzo(a)anthracene	500.0	318.1	63.62	61-128
70	3,3'-Dichlorobenzi	1280	139.6	10.90	10-75
71	Chrysene	500.0	308.7	61.73	59-129
72	bis(2-Ethylhexyl)p	500.0	335.9	67.17	53-141
73	Di-n-octylphthalat	500.0	322.4	64.47	42-142
74	Benzo(b)fluoranthe	500.0	390.3	78.06	53-146
75	Benzo(k)fluoranthe	500.0	350.5	70.10	50-153
76	Benzo(a)pyrene	500.0	336.8	67.36	54-132
78	Indeno(1,2,3-cd)py	500.0	339.6	67.91	33-169
79	Dibenzo(a,h)anthra	500.0	350.1	70.01	41-162
80	Benzo(g,h,i)peryle	500.0	320.1	64.01	10-179

	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	750.0	408.3	54.44	42-87
$ 2	Phenol-d5	750.0	435.7	58.09	47-87
$ 5	2-Chlorophenol-d4	750.0	417.1	55.61	47-86
$ 10	1,2-Dichlorobenzen	500.0	232.4	46.47	43-82
$ 18	Nitrobenzene-d5	500.0	247.7	49.54	46-87
$ 36	2-Fluorobiphenyl	500.0	248.1	49.63	46-88
$ 55	2,4,6-Tribromophen	750.0	511.6	68.21	40-97

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 66 Terphenyl-d14	500.0	285.1	57.02	37-114

Data File: /chem1/nt6.i/20060913.b/ju43sb.d
Date : 13-SEP-2006 16:33
Client ID: JU43LCSS1
Sample Info: JU43LCSS1
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR/vts
Column diameter: 0.32



Semivolatile Organics
Extraction Bench Sheets/Run Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JU43

prepared
by

Analytical Resources, Inc.

QA LIMs # _____
EXT LIMs # _____
Bid # SV0906B-01

(8270) BAN/Skydrol/Phenol – Soil/Sediment/Tissue
In House ____ /PSDDA X Medium Level ____
(3550B) Microtip ____
(3550B) Macrotip X /Tissuemizer ____
Med.Shakeout ____
KD X
Turbovap X

ANALYTICAL RESOURCES INCORPORATED

Client Name: Anchor Environmental

ARI Job No(s): JU43

Extraction Requirements (ARI Lab ID)	Sample Client ID	Amount Extracted (g)	GPC Aliquot #1/#2 (req)	Silica-gel Aliquot Y / N	Final Effective Volume	Aliquot Volume For Analysis	Time Extracted 1935 Comments
MB: JU43 MBS	9-6-06	50.00	1:2 9/12/06		1 mL	0.5 mL	
SB: SBS	↓	50.00	↓				
A	Verified	34.12	1:2 9-11-06				
B		37.02					
C		89.56					
D		92.74					
E		90.04					
F		87.38					
G		102.18					
H		92.06					
I		90.28					
J		68.54					
K		67.30	SP 9/11/06				
L		70.22	1:2 9/12/06				
M		69.12					
N		66.30					
O		67.76					
P		65.70					
Q		63.56					
Qms		63.02					
Qmsd		63.70					
R		71.48					
88 9/7	Date/Analyst:	GAH 9-6-06			SP 9/13/06		

KD: GAH 9-8-06 KD/NC 9/12/06

15861

Surrogate Amount: 250 µL Added by: GAH /Spk. Witness TN
Concentration: 100/100 µg/mL ID: 1420-4A

Spike Amount: 250 µL Added by: GAH /Spk. Witness TN
Concentration: 100 µg/mL ID: 1417-1

Xtra Spike Amount: 250 µL Added by: GAH /Spk.Witness TN
Concentration: 200 µg/mL ID: 1406-1

(DCM)solvent ID: I3249
(1:1DCM/Acetone) Reagent ID: F517
(95;5DCM/Hexane) Reagent ID: ____
Neutral glasswool ID: #1 6/09 / #2 6/7 #5 4/9
0.05% HCL/acetone Reagent ID: F516
Na2So4 ID: I3237 / #8 8/29
3% Silica gel ID: ____
95:5Ether/DCM ID: 8:2:9Ether/Meoh/DCM ID:

3009F

MORE SPIKES ON NEXT PAGE

Hexane: I3250

Revision 8
7/29/03

QA LIMs # ____________
EXT LIMs # ____________
Bid # ____________

(8270) BAN/Skydrol/Phenol – Soil/Sediment/Tissue
In House ____ /PSDDA ____ Medium Level ____
(3550B) Microtip ____
(3550B) Macrotip ____ /Tissuemizer ____
Med.Shakeout ____
KD ____
Turbovap ____

ANALYTICAL RESOURCES INCORPORATED

Client Name: ____________

ARI Job No(s): ____________

Extraction Requirements (ARI Lab ID)	Sample Client ID	Amount Extracted	GPC Aliquot #1/ #2	Silica-gel Aliquot Y / N	Final Effective Volume	Aliquot Volume For Analysis	Time Extracted ____ Comments
MB:							
SB:							
	Date/Analyst:						

Surrogate Amount: ________ Added by: ________ /Spk. Witness ________
Concentration: ________ ID: ________

Spike Amount: 250 ml Added by: GAA /Spk. Witness TT
Concentration: 100/150 μg/ml ID: 1407-4A

Xtra Spike Amount: 250 ml Added by: GAA /Spk.Witness TT
Concentration: 100 μg/ml ID: 1304-4

95:5Ether/DCM ID:

(DCM)solvent ID: ________
(1:1DCM/Acetone) Reagent ID: ________
(95:5DCM/Hexane) Reagent ID: ________
Neutral glasswool ID: ________
0.05% HCL/acetone Reagent ID: ________
Na2So4 ID: ________
3% Silica gel ID: ________
8:2:9Ether/Meoh/DCM ID: ________

3009F

Revision 8
7/29/03

ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: JU43 Client Name: Anchor Environmental

Parameter: BAN PSDDA Client Project: T4 Early Action

3745 SOP Number(s) ☐ No Anomalies

List problems, corrective actions, and any other pertinent information:

Extraction
Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: JU43 Client ID: Anchor

ARI SOP: **801S**(SIM-PNA) **802S**(BTS-HX) **803S**(BTS-PW) **804S**(8270D) **805S**(BTS-ET)

Parameter(s): BANs

Instrument: NT-1 NT-2 NT-4 (NT-6)

Curve Date: 8/10/06 Analysis Start Date: 9/13/06

DFTPP Tune Meets Criteria?	(YES) / NO	Method Blank in Control?	(YES) / NO
DDT Breakdown <20%?	(YES) / NO / NA	LCS / LCSD Recovery in Control?	(YES) / NO
Peak Tailing Factor in Control?	(YES) / NO / NA	MS/MSD Recovery in Control?	(YES) / NO
ICal Meets RF & %RSD Criteria?	(YES) / NO	Surrogate Recovery in Control?	(YES) / NO
CCal Meets RF & %RSD Criteria?	(YES) / NO	Special Analysis Criteria Met?	(YES) / NO / NA
Internal Standard Meets Criteria?	(YES) / NO		

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary): Phthalates only.

- Halo + nitro - phenols responses are up in both days' ccals. PCP's %D exceeds 20% limit on both days. Phthalates only. All phthalates have %Ds <10%. No action taken.
- Phenol in MB. Not requested.

LJT
9/14/06

Additional Details on Reverse: Yes / (No)

Analyst Signature: [signature] **Date:** 9/14/06

Reviewer's Signature: _____ **Date:** _____

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: NTL Curve Client ID: Various

ARI SOP: **801S**(SIM-PNA) **802S**(BTS-HX) **803S**(BTS-PW) **804S**(8270D) **805S**(BTS-ET)

Parameter(s): BANs

Instrument: NT-1 NT-2 NT-4 (NT-6)

Curve Date: 8/10/06 Analysis Start Date: 8/10/06

DFTPP Tune Meets Criteria?	(YES) / NO	Method Blank in Control?	~~YES / NO~~
DDT Breakdown <20%?	(YES) / NO / NA	LCS / LCSD Recovery in Control?	(YES) / NO
Peak Tailing Factor in Control?	(YES) / NO / NA	MS/MSD Recovery in Control?	~~YES / NO~~
Cal Meets RF & %RSD Criteria?	(YES) / NO	Surrogate Recovery in Control?	(YES) / NO
CCal Meets RF & %RSD Criteria?	(YES) / NO	Special Analysis Criteria Met?	YES / NO (NA)
Internal Standard Meets Criteria?	(YES) / NO		

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary): 2,4-Dinitrophenol's RSD > 40%. Wouldn't linear fit.

- Quadratic fits for Naphthalene, Phenanthrene, Carbazole, and Benzo(k) fluoranthene. No signs of saturation.

LTC
8/11/06

Additional Details on Reverse: Yes / (No)

Analyst Signature: [signature] **Date:** 8/11/06

Reviewer's Signature: [signature] **Date:** 8/11/06

Analytical Resources Inc.: Organics Instrument Log

NT-6 Serial No.:GC=US00036167, MS=US81221575

Date: 8/10/06 Analysis: BANs Analyst: LJK

GC Program: ABN10L Column No: 103:816 Column Type: ZB-5

Instrument Tune (.U or .CT.): 060810 EM Voltage:

Calibration File: 0250810 Curve Date: 8/10/06

IS/SS	Ical/Ccal	LCS/ICV
1402-2	1417-3	1374-3
	1418-1,2	1375-1,2
	1396-2	
	1401-1	

	Time	Filename	LabID	ClientId	DF											
1	1542	0250810.d	ABN 25		1	7.65	153289	9.67	566754	12.54	308375	14.93	447684	19.26	331290	21.43	403979	20.41	733535
2	1615	0800810.d	ABN 80		1	7.66	151661	9.68	570983	12.55	303700	14.94	460440	19.28	310351	21.43	414331	20.41	664898
3	1648	0010810.d	ABN 1		1	7.65	169084	9.67	609664	12.54	332301	14.93	479110	19.26	356280	21.42	402330	20.40	797357
4	1721	0400810.d	ABN 40		1	7.65	165922	9.68	616735	12.54	333378	14.93	488043	19.27	336761	21.43	400416	20.41	719210
5	1754	0050810.d	ABN 5		1	7.65	160379	9.67	582950	12.54	318769	14.93	461397	19.26	350618	21.42	404038	20.40	782539
6	1827	0100810.d	ABN 10		1	7.65	169520	9.67	617059	12.54	331422	14.93	478951	19.26	349798	21.43	403781	20.40	779942
7	1900	icv0810.d	ABN ICV		1	7.65	161319	9.67	591944	12.54	316712	14.93	447490	19.26	313271	21.43	383014	20.40	704463

LJK 8/11/06

Maintenance / Comments New column. New split line. Cleaned split arm. Cleaned split seal. Cleaned inlet body. Cleaned MS source + lenses. New filaments.

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): 0250810

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

Analytical Resources Inc.: Organics Instrument Log
NT-6 Serial No.:GC=US00036167, MS=US81221575

Date: 9/13/06 Analysis: BANS Analyst: LJR

GC Program: ABNIUL Column No: 103186 Column Type: ZB-5

Instrument Tune (U) or .CT.): 060816 EM Voltage: 1518

Calibration File: ~~cc0911b~~ cc0913 Curve Date: 8/10/06

IS/SS	Ical/Ccal	LCS/ICV
1402-2	1417-3	
	1418-1,2	
	1396-2	

	Time	Filename	LabID	ClientId	DF											
1	1457	cc0913.d	ABN 25		1	6.36	237377	8.37	860372	11.19	494619	13.52	763854	17.76	565991	19.87	631478	19.04	1274966
2	1529	jv04sb2.d	JV04LCSW1	JV04LCSW1	1	6.36	249690	8.37	920364	11.19	540522	13.51	816583	17.76	617292	19.05	1355626	19.88	670353
3	1601	ju43mb.d	JU43MBS1	JU43MBS1	1	6.35	238353	8.37	869929	11.18	513218	13.51	776965	17.75	590269	19.04	1334879	19.87	604083
4	1633	ju43sb.d	JU43LCSS1	JU43LCSS1	1	6.36	231552	8.37	840368	11.19	482242	13.51	722157	17.76	549525	19.04	1224645	19.87	528642
5	1705	jv04cdl.d	JV04C	BA27517	10	6.38	242668	8.41	891265	11.20	547083	13.52	790944	17.75	597034	19.04	1334804	19.87	649055
6	1737	ju43a.d	JU43A	T4-B414-01-D	1	6.36	243608	8.37	886188	11.19	516828	13.51	751303	17.77	586218	19.05	1310110	19.89	637797
7	1809	ju43b.d	JU43B	T4-B414-01-F	1	6.36	259261	8.37	918796	11.19	531442	13.53	768373	17.78	603406	19.07	1265542	19.91	656510
8	1840	ju43c.d	JU43C	T4-B414-01-E	1	6.36	254327	8.38	917688	11.20	535720	13.53	767575	17.79	597332	19.08	1245790	19.93	646741
9	1912	ju43d.d	JU43D	T4-B414-02-D	1	6.36	244968	8.38	899265	11.20	516664	13.52	754212	17.79	585726	19.07	1217002	19.92	628611
10	1944	ju43e.d	JU43E	T4-B414-02-E	1	6.36	259932	8.38	969438	11.20	575877	13.52	852461	17.78	658474	19.07	1379668	19.91	697023
11	2016	ju43f.d	JU43F	T4-B414-02-F	1	6.36	255466	8.38	912745	11.20	535361	13.54	770770	17.80	607363	19.09	1212836	19.94	640154
12	2049	ju43g.d	JU43G	T4-B414-04-D	1	6.37	263122	8.38	965675	11.20	574208	13.53	850884	17.79	650262	19.07	1335764	19.92	660514
13	2121	ju43h.d	JU43H	T4-B414-04-E	1	6.36	258140	8.38	919321	11.20	531388	13.53	790760	17.80	610666	19.08	1263704	19.94	638473
14	2153	ju43i.d	JU43I	T4-B414-04-F	1	6.36	231522	8.38	846897	11.20	497316	13.53	731543	17.79	570132	19.07	1200026	19.92	602211
15	2225	ju43j.d	JU43J	T4-S3-02-K	1	6.36	261966	8.38	955644	11.20	573164	13.53	852857	17.78	669053	19.06	1463774	19.90	703705
16	2257	ju43k.d	JU43K	T4-S3-08-D	1	6.36	258853	8.38	941476	11.19	551783	13.52	819796	17.78	631063	19.06	1412179	19.90	648319
17	2329	ju43l.d	JU43L	T4-S3-05-K	1	6.36	276826	8.38	1002435	11.20	582260	13.52	866213	17.77	668097	19.05	1477395	19.89	683119
18	0000	ju43m.d	JU43M	T4-S3-07-F	1	6.36	274234	8.38	983346	11.20	583933	13.52	868573	17.77	676741	19.05	1521544	19.89	719477
19	0032	ju43n.d	JU43N	T4-S3-04-E	1	6.36	261225	8.38	947211	11.19	554928	13.52	828137	17.77	626496	19.05	1412544	19.89	650104
20	0104	ju43o.d	JU43O	T4-S3-04-F	1	6.36	270687	8.37	993092	11.19	566579	13.52	859101	17.77	655419	19.05	1485271	19.89	605448
21	0136	ju43p.d	JU43P	T4-S3-03-E	1	6.36	251283	8.38	915892	11.20	524808	13.53	724256	17.80	582839	19.07	1199486	19.93	631116
22	0207	ju43q.d	JU43Q	T4-S3-03-F	1	6.37	250743	8.38	908646	11.20	529705	13.53	773622	17.78	606042	19.06	1340328	19.90	643427
23	0239	ju43qms.d	JU43QMS	T4-S3-03-F MS	1	6.36	256660	8.38	921016	11.20	530786	13.53	769209	17.77	602025	19.06	1305256	19.90	626795
24	0311	ju43qmd.d	JU43QMSD	T4-S3-03-F MSD	1	6.36	263611	8.38	967301	11.19	571604	13.53	819225	17.78	628577	19.06	1331607	19.90	660608
25	0342	ju43r.d	JU43R	T4-S3-03-G	1	6.36	262742	8.38	939647	11.20	538487	13.53	772813	17.79	594929	19.06	1293285	19.91	655701

Maintenance / Comments New liner + wool. Clipped column. Cleaned inlet seal.

L-T 9/14/06

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): cc0913

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

Analytical Resources Inc.: Organics Instrument Log
NT-6 Serial No.:GC=US00036167, MS=US81221575

Date: 9/14/06 Analysis: BANs Analyst: LJR

GC Program: ABN10L Column No: 103186 Column Type: ZB-5

Instrument Tune (.U or .CT.): 060810 EM Voltage: 1518

Calibration File: CC0914 Curve Date: 8/10/06

IS/SS	Ical/Ccal	LCS/ICV
1402-2	1417-3	
	1418-1,2	
	1596-2	

	Time	Filename	LabID	ClientId	DF											
1	0925	cc0914.d	ABN 25	ABN CCAL	1	6.24	208683	8.26	725629	11.07	396823	13.39	548113	17.62	378308	19.74	478845	18.92	920406
2	1024	ju43qmd2.d	JU43QMSD	T4-S3-03-F MSD	1	6.24	201240	8.26	706565	11.07	392109	13.39	531964	17.63	472854	18.93	1081201	19.75	552610
3	1056	ju43r2.d	JU43R	T4-S3-03-G	1	6.24	204919	8.25	703852	11.07	382661	13.39	530958	17.63	489925	18.93	1114231	19.76	574944

LJR 9/14/06

Maintenance / Comments New liner + wool. Clipped column. Cleaned inlet seal.

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): CC0914

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GPC 1 Log

Date: 9-11-06 Initial Run Number: 1 JR98(Rx), 1 Ju43

Analyst: SP

Loop Number	ARI Lab ID	Aliquot Loaded
1	Acetone Rinse	1:1 (10mL)
2	DCM Rinse	↓
3	JR98mbs 9/8	1:2 (4mL)
4	98C2	
5	Ju43A sbs 9/8 SP 9/11	
6	Ju43 B	
7	C	
8	D	
9	E	
10	F	
11	G	
12	H	
13	I	
14	J	
15	K	
16	JR98 sbs 9/8	
17		
18		
19		
20		
21		
22		
23		

Comments / Program Name

Flow Rate: 4.8 mL/min
(Average of two measurements)

Method	BAN program	PCB Program
Dump	28	
Collect	60	
Wash	70	

Stop Time: 70.15

Analyst: SP

Lab Temp 23.0 °C (64 - 77°F)

Collection Line Witness: JH (Before Run), SP (After Run)

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GPC 1 Log

Date: 9-12-06 Initial Run Number: Ju43 (cont)

Analyst: SP

Loop Number	ARI Lab ID	Aliquot Loaded
1	Acetone Rinse	1:1 (10mL)
2	DCM Rinse	↓
3	Ju43 mbs 9/6	1:2 (4mL)
4	L	
5	M	
6	N	
7	O	
8	P	
9	Q	
10	R	
11	SBS 9/6	
12	QMS	
13	QMSD	↓
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		

Comments / Program Name

Flow Rate: 1.8 mL/min
(Average of two measurements)

Method

	BAN program	PCB Program
Dump	28	
Collect	60	
Wash	70	

Stop Time: 70.15

Analyst: SP

Lab Temp 22.2°C (64 - 77°F)

Collection Line Witness NC 9/12/06

Before Run

After Run

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 20060830
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: GPC CAL
Level: LOW Operator: VTS
Data Type: MS DATA SampleType: LCS
SpikeList File: GPC.spk Quant Type: ISTD
Sublist File: PSDDAMBLCS.sub
Method File: /chem3/nt4.i/20060830.b/SW846.m
Misc Info:

	SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
3	Phenol	750.0	615.5	82.06	43-108
6	2-Chlorophenol	750.0	595.3	79.37	46-104
9	1,4-Dichlorobenzen	500.0	378.3	75.66	35-83
16	N-Nitroso-di-n-pro	500.0	410.5	82.10	25-94
26	1,2,4-Trichloroben	500.0	384.6	76.92	29-85
31	4-Chloro-3-methylp	750.0	630.1	84.01	42-98
44	Acenaphthene	500.0	407.7	81.55	40-99
47	4-Nitrophenol	750.0	619.1	82.55	27-133
48	2,4-Dinitrotoluene	500.0	419.2	83.84	34-108
58	Pentachlorophenol	750.0	543.1	72.41	51-128
65	Pyrene	500.0	456.5	91.30	32-122
73	Di-n-octylphthalat	500.0	394.2	78.84	36-108
80	Benzo(g,h,i)peryle	500.0	386.5	77.30	36-108

	SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	750.0	557.6	74.34	42-87
$ 2	Phenol-d5	750.0	598.9	79.85	47-87
$ 5	2-Chlorophenol-d4	750.0	577.8	77.05	47-86
$ 10	1,2-Dichlorobenzen	500.0	377.9	75.59	43-82
$ 18	Nitrobenzene-d5	500.0	392.8	78.55	46-87
$ 36	2-Fluorobiphenyl	500.0	383.3	76.66	46-88
$ 55	2,4,6-Tribromophen	750.0	577.7	77.02	40-97
$ 66	Terphenyl-d14	500.0	442.8	88.56	37-114

SIM Semivolatile Analysis
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JU43

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

SIM SW8270 SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	MNP	DBA	TOT OUT
T4-B414-01-D	82.7%	89.3%	0
T4-B414-01-F	89.3%	107%*	1
T4-B414-01-F DL	88.7%	84.2%	0
T4-B414-01-E	93.3%	88.8%	0
T4-B414-01-E DL	88.0%	105%	0
T4-B414-02-D	77.3%	64.3%	0
T4-B414-02-E	82.3%	80.7%	0
T4-B414-02-F	88.7%	69.7%	0
T4-B414-02-F DL	82.3%	62.0%	0
T4-B414-04-D	88.3%	81.3%	0
T4-B414-04-E	92.0%	78.7%	0
T4-B414-04-E DL	91.7%	91.7%	0
T4-B414-04-F	86.0%	68.0%	0
T4-B414-04-F DL	88.0%	81.0%	0
MB-090606	78.0%	88.0%	0
LCS-090606	73.0%	99.0%	0
T4-S3-02-K	93.0%	90.0%	0
T4-S3-02-K MS	94.3%	86.3%	0
T4-S3-02-K MSD	91.7%	89.7%	0
T4-S3-08-D	86.0%	85.7%	0
T4-S3-08-D MS	85.3%	82.0%	0
T4-S3-08-D MSD	80.3%	79.3%	0
T4-S3-05-K	87.3%	85.0%	0
T4-S3-07-F	81.7%	79.7%	0
T4-S3-04-E	83.7%	84.3%	0
T4-S3-04-F	85.0%	80.3%	0
T4-S3-03-E	87.3%	65.3%	0
T4-S3-03-E DL	80.0%	90.0%	0
T4-S3-03-F	81.0%	68.0%	0
T4-S3-03-G	76.3%	62.3%	0

	LCS/MB LIMITS	QC LIMITS
(MNP) = d10-2-Methylnaphthalene	(38-94)	(32-97)
(DBA) = d14-Dibenzo(a,h)anthracene	(27-116)	(21-105)

Prep Method: SW3550B
Log Number Range: 06-15845 to 06-15862

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-02-K
MATRIX SPIKE

Lab Sample ID: JU43J
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/24/06

Date Extracted MS/MSD: 09/06/06

Sample Amount MS: 10.1 g-dry-wt
MSD: 10.0 g-dry-wt

Date Analyzed MS: 09/12/06 17:35
MSD: 09/12/06 17:59

Final Extract Volume MS: 0.50 mL
MSD: 0.50 mL

Instrument/Analyst MS: NT3/VTS
MSD: NT3/VTS

Dilution Factor MS: 1.00
MSD: 1.00

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenanthrene	65.5	200	149	90.3%	252	150	124%	23.0%
Chrysene	55.5	207	149	102%	222	150	111%	7.0%
Benzo(k)fluoranthene	38.0	212	149	117%	222	150	123%	4.6%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-08-D
MATRIX SPIKE

Lab Sample ID: JU43K
LIMS ID: 06-15855
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/24/06

Date Extracted MS/MSD: 09/06/06

Date Analyzed MS: 09/12/06 18:49
MSD: 09/12/06 19:13
Instrument/Analyst MS: FIDTCD/VTS
MSD: FID3A/VTS

Sample Amount MS: 10.2 g-dry-wt
MSD: 10.2 g-dry-wt
Final Extract Volume MS: 0.50 mL
MSD: 0.50 mL
Dilution Factor MS: 1.00
MSD: 1.00

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenanthrene	109	246	147	93.2%	320	147	144%	26.1%
Chrysene	186	331	147	98.6%	552 E	147	249%	50.1%
Benzo(k)fluoranthene	187	330	147	97.3%	497 E	147	211%	40.4%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: LCS-090606
LAB CONTROL SAMPLE

Lab Sample ID: LCS-090606
LIMS ID: 06-15854
Matrix: Sediment
Data Release Authorized:
Reported: 09/14/06

QC Report No: JU43-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 09/06/06
Date Analyzed LCS: 09/12/06 12:28
Instrument/Analyst LCS: FINN3/VTS

Sample Amount LCS: 10.0 g-dry-wt
Final Extract Volume LCS: 0.50 mL
Dilution Factor LCS: 1.00

Analyte	LCS	Spike Added	Recovery
Naphthalene	106	150	70.7%
1-Methylnaphthalene	105	150	70.0%
Acenaphthylene	100	150	66.7%
Acenaphthene	110	150	73.3%
Fluorene	118	150	78.7%
Phenanthrene	126	150	84.0%
Anthracene	114	150	76.0%
Fluoranthene	136	150	90.7%
Pyrene	128	150	85.3%
Benzo(a)anthracene	128	150	85.3%
Chrysene	142	150	94.7%
Benzo(b)fluoranthene	148	150	98.7%
Benzo(k)fluoranthene	135	150	90.0%
Benzo(a)pyrene	122	150	81.3%
Indeno(1,2,3-cd)pyrene	139	150	92.7%
Dibenz(a,h)anthracene	143	150	95.3%
Benzo(g,h,i)perylene	142	150	94.7%

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	73.0%
d14-Dibenzo(a,h)anthracen	99.0%

4B

SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO. JU43MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JU43 Project: T4 EARLY ACTION

Lab File ID: JU43MB Date Extracted: 09/06/06

Instrument ID: NT1 Date Analyzed: 09/12/06

Matrix: SOLID Time Analyzed: 1203

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JU43LCSS1	JU43LCSS1	JU43LCS	09/12/06
02	T4-B414-01-D	JU43A	JU43A	09/12/06
03	T4-B414-01-F	JU43B	JU43B	09/12/06
04	T4-B414-01-E	JU43C	JU43C	09/12/06
05	T4-B414-02-D	JU43D	JU43D	09/12/06
06	T4-B414-02-E	JU43E	JU43E	09/12/06
07	T4-B414-02-F	JU43F	JU43F	09/12/06
08	T4-B414-04-D	JU43G	JU43G	09/12/06
09	T4-B414-04-E	JU43H	JU43H	09/12/06
10	T4-B414-04-F	JU43I	JU43I	09/12/06
11	T4-S3-02-K	JU43J	JU43J	09/12/06
12	T4-S3-02-K MS	JU43JMS	JU43JMS	09/12/06
13	T4-S3-02-K MSD	JU43JMSD	JU43JMSD	09/12/06
14	T4-S3-08-D	JU43K	JU43K	09/12/06
15	T4-S3-08-D MS	JU43KMS	JU43KMS	09/12/06
16	T4-S3-08-D MSD	JU43KMSD	JU43KMSD	09/12/06
17	T4-S3-05-K	JU43L	JU43L	09/12/06
18	T4-S3-07-F	JU43M	JU43M	09/12/06
19	T4-S3-04-E	JU43N	JU43N	09/12/06
20	T4-S3-04-F	JU43O	JU43O	09/12/06
21	T4-S3-03-E	JU43P	JU43P	09/12/06
22	T4-S3-03-F	JU43Q	JU43Q	09/12/06
23	T4-S3-03-G	JU43R	JU43R	09/12/06
24	T4-B414-01-F	JU43BDL	JU43BDL	09/13/06
25	T4-B414-01-E	JU43CDL	JU43CDL	09/13/06
26	T4-B414-02-F	JU43FDL	JU43FDL	09/13/06
27	T4-B414-04-E	JU43H	JU43HDL	09/14/06
28	T4-B414-04-F	JU43I	JU43IDL	09/14/06
29	T4-S3-03-E	JU43P	JU43PDL	09/14/06
30				

COMMENTS:

FORM IV SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

Instrument ID: NT1 Project: T4 EARLY ACTION

DFTPP Injection Date: 09/04/06 DFTPP Injection Time: 1115

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	36.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	44.2
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	25.0 - 75.0% of mass 198	59.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.1
275	10.0 - 30.0% of mass 198	16.9
365	Greater than 0.75% of mass 198	1.51
441	Present, but less than mass 443	10.2
442	40.0 - 110.0% of mass 198	58.9
443	15.0 - 24.0% of mass 442	11.2 (19.0)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		IC0904A	IC0904A	09/04/06	1135
02		IC0904B	IC0904B	09/04/06	1159
03		IC0904C	IC0904C	09/04/06	1224
04		IC0904D	IC0904D	09/04/06	1249
05		IC0904E	IC0904E	09/04/06	1313
06		IC0904F	IC0904F	09/04/06	1338
07					
08					
09					
10					
11					
12					
13					
14					
15					
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20					
21					
22					

FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

Instrument ID: NT1 Project: T4 EARLY ACTION

DFTPP Injection Date: 09/12/06 DFTPP Injection Time: 1047

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	40.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	50.0
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	25.0 - 75.0% of mass 198	62.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	17.0
365	Greater than 0.75% of mass 198	1.52
441	Present, but less than mass 443	0.2
442	40.0 - 110.0% of mass 198	51.9
443	15.0 - 24.0% of mass 442	9.7 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		CC0912	CC0912	09/12/06	1102
02	JU43MBS1	JU43MBS1	JU43MB	09/12/06	1203
03	JU43LCSS1	JU43LCSS1	JU43LCS	09/12/06	1228
04	T4-B414-01-D	JU43A	JU43A	09/12/06	1253
05	T4-B414-01-F	JU43B	JU43B	09/12/06	1317
06	T4-B414-01-E	JU43C	JU43C	09/12/06	1417
07	T4-B414-02-D	JU43D	JU43D	09/12/06	1442
08	T4-B414-02-E	JU43E	JU43E	09/12/06	1507
09	T4-B414-02-F	JU43F	JU43F	09/12/06	1531
10	T4-B414-04-D	JU43G	JU43G	09/12/06	1556
11	T4-B414-04-E	JU43H	JU43H	09/12/06	1621
12	T4-B414-04-F	JU43I	JU43I	09/12/06	1645
13	T4-S3-02-K	JU43J	JU43J	09/12/06	1710
14	T4-S3-02-K MS	JU43JMS	JU43JMS	09/12/06	1735
15	T4-S3-02-K MSD	JU43JMSD	JU43JMSD	09/12/06	1759
16	T4-S3-08-D	JU43K	JU43K	09/12/06	1824
17	T4-S3-08-D MS	JU43KMS	JU43KMS	09/12/06	1849
18	T4-S3-08-D MSD	JU43KMSD	JU43KMSD	09/12/06	1913
19	T4-S3-05-K	JU43L	JU43L	09/12/06	1938
20	T4-S3-07-F	JU43M	JU43M	09/12/06	2003
21	T4-S3-04-E	JU43N	JU43N	09/12/06	2027
22	T4-S3-04-F	JU43O	JU43O	09/12/06	2052

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

Instrument ID: NT1 Project: T4 EARLY ACTION

DFTPP Injection Date: 09/12/06 DFTPP Injection Time: 1047

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	40.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	50.0
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	25.0 - 75.0% of mass 198	62.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	17.0
365	Greater than 0.75% of mass 198	1.52
441	Present, but less than mass 443	0.2
442	40.0 - 110.0% of mass 198	51.9
443	15.0 - 24.0% of mass 442	9.7 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	T4-S3-03-E	JU43P	JU43P	09/12/06	2117
02	T4-S3-03-F	JU43Q	JU43Q	09/12/06	2141
03	T4-S3-03-G	JU43R	JU43R	09/12/06	2206
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FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

Instrument ID: NT1 Project: T4 EARLY ACTION

DFTPP Injection Date: 09/13/06 DFTPP Injection Time: 1003

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	39.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	49.6
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	25.0 - 75.0% of mass 198	60.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 30.0% of mass 198	16.7
365	Greater than 0.75% of mass 198	1.43
441	Present, but less than mass 443	0.6
442	40.0 - 110.0% of mass 198	55.0
443	15.0 - 24.0% of mass 442	11.1 (20.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		CC0913	CC0913	09/13/06	1018
02	T4-B414-01-F	JU43BDL	JU43BDL	09/13/06	1508
03	T4-B414-01-E	JU43CDL	JU43CDL	09/13/06	1533
04	T4-B414-02-F	JU43FDL	JU43FDL	09/13/06	1559
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FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

Instrument ID: NT1 Project: T4 EARLY ACTION

DFTPP Injection Date: 09/14/06 DFTPP Injection Time: 0817

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	41.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	51.9
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	25.0 - 75.0% of mass 198	62.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	16.6
365	Greater than 0.75% of mass 198	1.36
441	Present, but less than mass 443	2.9
442	40.0 - 110.0% of mass 198	46.9
443	15.0 - 24.0% of mass 442	8.8 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		CC0914	CC0914	09/14/06	0835
02	T4-B414-04-E	JU43H	JU43HDL	09/14/06	0902
03	T4-B414-04-F	JU43I	JU43IDL	09/14/06	0927
04	T4-S3-03-E	JU43P	JU43PDL	09/14/06	0951
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FORM V SV

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0912 Date Analyzed: 09/12/06

Instrument ID: NT1 Time Analyzed: 1102

		IS1(NPT) AREA	#	RT	#	IS2(ANT) AREA	#	RT	#	IS3(PHN) AREA	#	RT	#
	12 HOUR STD	341552		6.81		169375		8.87		232185		10.68	
	UPPER LIMIT	683104		7.31		338750		9.37		464370		11.18	
	LOWER LIMIT	170776		6.31		84688		8.37		116092		10.18	
	CLIENT SAMP. NO.												
01	JU43MBS1	308875		6.81		149083		8.87		194723		10.67	
02	JU43LCSS1	299258		6.81		146390		8.87		190003		10.68	
03	T4-B414-01-D	309586		6.81		153628		8.87		205279		10.68	
04	T4-B414-01-F	334612		6.81		164608		8.87		218885		10.68	
05	T4-B414-01-E	323562		6.81		167006		8.87		212006		10.68	
06	T4-B414-02-D	384197		6.81		184808		8.87		234301		10.68	
07	T4-B414-02-E	384676		6.81		183746		8.87		237738		10.68	
08	T4-B414-02-F	353433		6.81		176347		8.87		226575		10.68	
09	T4-B414-04-D	353358		6.81		173658		8.87		220377		10.68	
10	T4-B414-04-E	372304		6.81		177154		8.87		218931		10.68	
11	T4-B414-04-F	379655		6.81		185425		8.87		230996		10.68	
12	T4-S3-02-K	350331		6.81		173554		8.87		223379		10.68	
13	T4-S3-02-K M	352729		6.81		177734		8.87		221061		10.68	
14	T4-S3-02-K M	360577		6.81		169569		8.87		218745		10.68	
15	T4-S3-08-D	358813		6.81		171570		8.87		219923		10.68	
16	T4-S3-08-D M	348234		6.81		161874		8.87		214128		10.68	
17	T4-S3-08-D M	323874		6.81		160651		8.87		205292		10.68	
18	T4-S3-05-K	341462		6.81		166459		8.87		208588		10.68	
19	T4-S3-07-F	342769		6.81		163415		8.87		203381		10.68	
20	T4-S3-04-E	323629		6.81		158154		8.87		196958		10.68	
21	T4-S3-04-F	326919		6.81		161849		8.87		198449		10.68	
22	T4-S3-03-E	345056		6.81		174777		8.87		224867		10.68	

IS1 (NPT) = Naphthalene-d8
IS2 (ANT) = Acenaphthene-d10
IS3 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0912 Date Analyzed: 09/12/06

Instrument ID: NT1 Time Analyzed: 1102

		IS1(NPT) AREA	#	RT	#	IS2(ANT) AREA	#	RT	#	IS3(PHN) AREA	#	RT	#
	12 HOUR STD	341552		6.81		169375		8.87		232185		10.68	
	UPPER LIMIT	683104		7.31		338750		9.37		464370		11.18	
	LOWER LIMIT	170776		6.31		84688		8.37		116092		10.18	
	CLIENT SAMP. NO.												
01	T4-S3-03-F	358740		6.81		174809		8.87		221835		10.68	
02	T4-S3-03-G	343599		6.81		168248		8.87		211240		10.68	
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IS1 (NPT) = Naphthalene-d8
IS2 (ANT) = Acenaphthene-d10
IS3 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0912 Date Analyzed: 09/12/06

Instrument ID: NT1 Time Analyzed: 1102

		IS4(CRY) AREA #	RT #	IS5(PRY) AREA #	RT #	AREA #	RT #
	12 HOUR STD	179856	13.99	175373	15.90		
	UPPER LIMIT	359712	14.49	350746	16.40		
	LOWER LIMIT	89928	13.49	87686	15.40		
	CLIENT SAMP. NO.						
01	JU43MBS1	147155	13.98	152189	15.90		
02	JU43LCSS1	143435	13.99	143011	15.90		
03	T4-B414-01-D	156625	13.99	164811	15.90		
04	T4-B414-01-F	173721	13.99	176697	15.91		
05	T4-B414-01-E	173153	14.00	184040	15.92		
06	T4-B414-02-D	164692	14.00	175845	15.93		
07	T4-B414-02-E	172973	14.00	178169	15.93		
08	T4-B414-02-F	170371	13.99	171795	15.91		
09	T4-B414-04-D	164456	14.00	170311	15.92		
10	T4-B414-04-E	146072	14.01	143711	15.94		
11	T4-B414-04-F	167722	14.01	158000	15.93		
12	T4-S3-02-K	167988	13.99	168634	15.91		
13	T4-S3-02-K M	167734	13.99	172925	15.90		
14	T4-S3-02-K M	171509	13.99	168593	15.91		
15	T4-S3-08-D	168286	13.99	171095	15.90		
16	T4-S3-08-D M	165529	13.99	163783	15.90		
17	T4-S3-08-D M	156566	13.99	158338	15.90		
18	T4-S3-05-K	162936	13.99	164050	15.90		
19	T4-S3-07-F	158570	13.99	156067	15.90		
20	T4-S3-04-E	156535	13.99	156355	15.90		
21	T4-S3-04-F	154145	13.99	152404	15.90		
22	T4-S3-03-E	161487	14.01	136416	15.93		

IS4 (CRY) = Chrysene-d12
IS5 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0912 Date Analyzed: 09/12/06

Instrument ID: NT1 Time Analyzed: 1102

		IS4(CRY) AREA	#	RT	#	IS5(PRY) AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	179856		13.99		175373		15.90					
	UPPER LIMIT	359712		14.49		350746		16.40					
	LOWER LIMIT	89928		13.49		87686		15.40					
	CLIENT SAMP. NO.												
01	T4-S3-03-F	169272		14.00		164544		15.91					
02	T4-S3-03-G	163729		13.99		157220		15.91					
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IS4 (CRY) = Chrysene-d12
IS5 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0913 Date Analyzed: 09/13/06

Instrument ID: NT1 Time Analyzed: 1018

		IS1 (NPT) AREA	#	RT	#	IS2 (ANT) AREA	#	RT	#	IS3 (PHN) AREA	#	RT	#
	12 HOUR STD	337011		6.81		171704		8.86		223924		10.67	
	UPPER LIMIT	674022		7.31		343408		9.36		447848		11.17	
	LOWER LIMIT	168506		6.31		85852		8.36		111962		10.17	
	CLIENT SAMP. NO.												
01	T4-B414-01-F	310227		6.81		159002		8.87		208147		10.68	
02	T4-B414-01-E	307757		6.81		156042		8.87		206410		10.68	
03	T4-B414-02-F	314160		6.81		162213		8.87		207926		10.68	
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IS1 (NPT) = Naphthalene-d8
IS2 (ANT) = Acenaphthene-d10
IS3 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0913 Date Analyzed: 09/13/06

Instrument ID: NT1 Time Analyzed: 1018

		IS4(CRY) AREA	#	RT	#	IS5(PRY) AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	172575		13.98		173129		15.90					
	UPPER LIMIT	345150		14.48		346258		16.40					
	LOWER LIMIT	86288		13.48		86564		15.40					
	CLIENT SAMP. NO.												
01	T4-B414-01-F	157913		13.99		161716		15.90					
02	T4-B414-01-E	158203		13.99		160069		15.90					
03	T4-B414-02-F	158186		13.99		163605		15.91					
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IS4 (CRY) = Chrysene-d12
IS5 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0914 Date Analyzed: 09/14/06

Instrument ID: NT1 Time Analyzed: 0835

		IS1(NPT) AREA	#	RT	#	IS2(ANT) AREA	#	RT	#	IS3(PHN) AREA	#	RT	#
	12 HOUR STD	296130		6.81		150727		8.87		195473		10.68	
	UPPER LIMIT	592260		7.31		301454		9.37		390946		11.18	
	LOWER LIMIT	148065		6.31		75364		8.37		97736		10.18	
	CLIENT SAMP. NO.												
01	T4-B414-04-E	300679		6.81		149260		8.87		193594		10.68	
02	T4-B414-04-F	325607		6.81		161112		8.87		211272		10.68	
03	T4-S3-03-E	315193		6.81		160833		8.87		212780		10.68	
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IS1 (NPT) = Naphthalene-d8
IS2 (ANT) = Acenaphthene-d10
IS3 (PHN) = Phenanthrene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

ARI Job No: JU43 Project: T4 EARLY ACTION

Cont. Calib. ID: CC0914 Date Analyzed: 09/14/06

Instrument ID: NT1 Time Analyzed: 0835

		IS4(CRY) AREA	#	RT	#	IS5(PRY) AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	154233		13.99		158265		15.90					
	UPPER LIMIT	308466		14.49		316530		16.40					
	LOWER LIMIT	77116		13.49		79132		15.40					
	CLIENT SAMP. NO.												
01	T4-B414-04-E	163864		13.99		174564		15.91					
02	T4-B414-04-F	171007		13.99		179531		15.91					
03	T4-S3-03-E	164435		13.99		176603		15.91					
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IS4 (CRY) = Chrysene-d12
IS5 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.