

United States Drug Testing Laboratories

1700 S. Mount Prospect Road Des Plaines, Illinois 60018

847.375.0770 Ph

847.375.0775 Fax

800.235.2367 Ph

www.usdtl.com

December 03, 2011

Linda Bresnahan, M.S.
Director of Program Operations
Physician Health Services, Inc.
890 Winter Street
Waltham, MA 02451-1414
(781) 434-7342 phone
(781) 893-5321 fax
Lbresnahan@mms.org

Re: Litigation Package 877649

Dear Ms. Bresnahan:

Enclosed is the Litigation Package for specimen 877649 you requested. If you have any questions, you may contact me at (847) 375-0770 x 8861.

Regards,

Joseph Jones
Vice-President Laboratory Operations



United States Drug Testing Laboratories

1700 S. Mount Prospect Road Des Plaines, Illinois 60018

847.375.0770 Ph

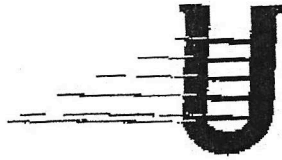
847.375.0775 Fax

800.235.2367 Ph

www.usdtl.com

**LITIGATION PACKAGE
FOR**

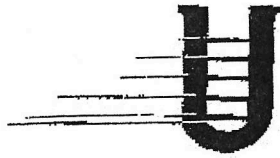
| | |
|----------------------|----------------------------------|
| ACCOUNT: | Physician Health Services |
| USDTL NUMBER: | 877649 |
| SPECIMEN ID: | 1310 461430 |
| MATRIX: | Blood |



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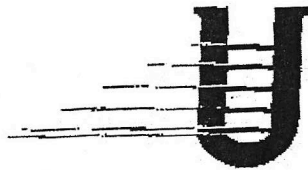
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SUMMARY OF RESULTS

| | |
|----------------------|----------------------------------|
| ACCOUNT: | Physician Health Services |
| USDTL NUMBER: | 877649 |
| SPECIMEN ID: | 1310 461430 |
| MATRIX: | Blood |



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SUMMARY OF RESULTS

ACCOUNT: Physician Health Services
USDTL NUMBER: 877649
SPECIMEN ID: 1310
461430
MATRIX: Blood

TEST REQUESTED: Phosphatidylethanol - Blood

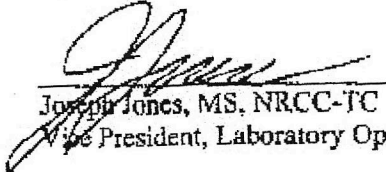
INITIAL TEST

| METHOD: | Liquid Chromatography - Tandem Mass Spectrometry | | |
|---------------------|--|---------------------------------|-----------------|
| Drug | Cutoff (ng/mL) | Response of Specimen (ng/mL) | Result |
| Phosphatidylethanol | 20 | 255.4 | POSITIVE |

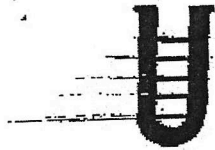
CONFIRMATION TEST

| METHOD: | Liquid Chromatography - Tandem Mass Spectrometry | | |
|---------------------|--|---------------------------------|-----------------|
| Drug | Cutoff (ng/mL) | Response of Specimen (ng/mL) | Result |
| Phosphatidylethanol | 20 | 365.4 | POSITIVE |

I certify that the specimen identified by the laboratory accession number above has been examined upon receipt, handled, and analyzed in accordance with this laboratory's Standard Operating Procedure.


Joseph Jones, MS, NRCC-TC
Vice President, Laboratory Operations

Dec 03, 2011
Date



UNITED STATES DRUG TESTING LABORATORIES
1700 S. MOUNT PROSPECT ROAD
DES PLAINES, ILLINOIS 60018-1804
847-375-0770 fax 847-375-0775

Report Luis Sanchez MD
Physicians Health Services
880 Winter Street
Waltham, MA 02451

Case ID PHSWMA
Client Physicians Health Services
Location
Collector

Sample Information

Chain of 461430
Name NA
Lab Sample ID 877649
Donor ID 461430

Test Reason Not given
Type Blood
Collected
Received 7/8/2011 10:48
Reported 7/14/2011 18:39

Tests Requested

| Test | Result | Quantitation | Screen Limit | Confirm |
|---------------------------------------|----------|-----------------|--------------|------------|
| PEth-BLD Phosphatidyl Ethanol (Blood) | | Sample POSITIVE | | |
| PHOSPHATIDYL ETHANOL | POSITIVE | | 20 ng/mL | |
| Phosphatidyl Ethanol (LCMSMS) | POSITIVE | 365.4 ng/mL | | 20.0 ng/mL |

Internal Certification Hardcopy

Thursday, July 14, 2011 6:35:45 PM

Laboratory Charles W. Plate, PhD
Scientific Director Douglas Lewis

Page 1 of 43

PHYSICIAN HEALTH SERVICES, INC.

A Massachusetts Medical Society corporation

www.physicianhealth.org

Luis T. Sanchez, MD
Director

860 Winter Street
Walham, MA 02451-1414
(781) 434-7404 • (800) 323-2303
Fax (781) 893-5321

Date: July 19, 2011

To: United States Drug Testing Laboratories

Fax: 847-375-0775

Total number of pages: 3

Account Number: PHSWMA for Physician Health Services

attn: *Kendyll*

RE: Specimen Chain of: 461430

Donor ID as listed: 461430

Donor ID: 1310

Collection Date: 7/1/2011

Received Date: 7/8/11

Please update the lab report to reflect the donor ID number as listed on the order:
to 1310

Please update the lab report to reflect that chain of custody was maintained.

Requested by Mary Howard:

M. Howard
(signed)

7/19/11
(date)

If you have any questions, please call Linda Bresnahan 781-434-7404



UNITED STATES DRUG TESTING LABORATORIES
 1700 S. MOUNT PROSPECT ROAD
 DES PLAINES, ILLINOIS 60018-1804
 847-376-0770 fax 847-375-0775

Report Luis Sanchez MD
 Physicians Health Services
 880 Winter Street
 Waltham, MA 02451

Cust ID PHSWMA
 Client Physicians Health Services
 Location
 Collector

Sample Information

| | |
|----------------------|--------------------------|
| Chain of 1310 | Test Reason Not given |
| Name NA | Type Blood |
| Lab Sample ID 877648 | Collected 7/1/2011 00:00 |
| Donor ID 461430 | Received 7/8/2011 10:48 |
| | Reported 7/20/2011 16:17 |

Tests Requested

| Test | Result | Quantitation | Screen Limit | Confirm |
|---------------------------------------|-----------------|--------------|--------------|------------|
| PEth-BLD Phosphatidyl Ethanol (Blood) | Sample POSITIVE | | | |
| PHOSPHATIDYL ETHANOL | POSITIVE | | 20 ng/mL | |
| Phosphatidyl Ethanol (LCMSMS) | POSITIVE | 365.4 ng/mL | | 20.0 ng/mL |

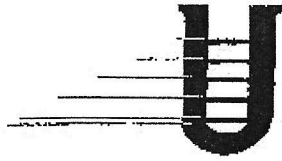
Sample Comments

REVISED REPORT PER CLIENTS REQUEST
 CORRECTED DONOR ID FROM 46143 TO 1310
 CORRECTED COLLECTION DATE TO 07/01/2011

Internal Certification Hardcopy

July 20, 2011 4:17:08 PM

Laboratory Charles B. Binkley PhD
 Scientific Director Douglas Lawrie



United States Drug Testing Laboratories

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CHAIN OF CUSTODY DOCUMENTS

PHYSICIAN HEALTH SERVICES, INC.

A Massachusetts Medical Society corporation
www.physicianhealth.org

Isela L. Sanchez, MD
Director

6600 4465

860 Winter Street
Waltham, MA 02451-1414
(781) 434-7404 • (800) 321-2003
Fax (781) 893-5321

Date: July 1, 2011

Fax to: Quest Diagnostics - 1180 Beacon Street, Brookline

Fax #: (617) 739-2941 (phone 617-232-5733)

SAMPLE, Blood
HSN: A77849
Control# 461430
Receive date: 07/08/11 10:46
Profile: PETH-BLD

For collection on Friday, July 1 for PHS Participant # 1310.

Please order Test: Phosphatidyl Ethanol, USDTL Test Code PETHStat by writing this information on the chain of custody form.

> The test requires 5ml whole blood in purple, gray or green top tube.

Requested by Mary Howard:

M. Howard 7/1/11

If you have any questions please call me at: (781) 434-7404

Including a copy of this fax with the chain of custody form may help with the send out by Employer Solutions. Sample to be sent for testing to:

USDTL address:
1700 South Mount Prospect Rd.
Des Plaines, IL 60018
(800) 235-2367

AKISQCA
AMRQCA
7/1/11

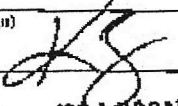
pt. signature X [Signature]

K:\PF\MIS\Quest\Add-On\Testing\PETH\testing\PETH_Q-Brookline2.doc

Batch 10818 0702 A REQ
1L JXPI
WC 461430 R
TID 70007
WC 461430 R Req
TID 70007
WC 461430 R Req

**Chain-of-Custody
Specimen Receipt**

ID 460430

| Receiver Certification | Receiver | Date |
|--|--|--------|
| I certify that the specimen received on this form was sealed in the appropriate container with the seal intact and the identification number and/or name on this form matches that on the specimen and the specimen was transferred to temporary laboratory storage. | (print)  (print) KYLA BOGAN | 7/8/11 |



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Specimen Receipt

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P. 08

FAX NO.

06-14-2011 01:16 PM

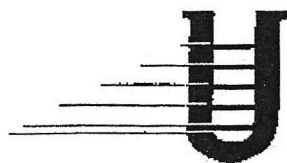
UNITED STATES DRUG TESTING LABORATORIES, INC

CHAIN OF CUSTODY FOR
THE TRANSFER OF BLOOD TO
LONG TERM STORAGE

MATRIX: Blood

REC'D DATE: July 2011

| DATE | RELEASED BY | RECEIVED BY | PURPOSE |
|----------|--------------------------------|----------------------|--|
| 9/1/2011 | Temp Storage Receiving Area | Janet McCrimmon | Select Specimens For Transfer to Long Term Storage |
| 8/1/2011 | Janet McCrimmon | LONG TERM STORAGE | TRANSFER BLOOD TO LONG TERM STORAGE |



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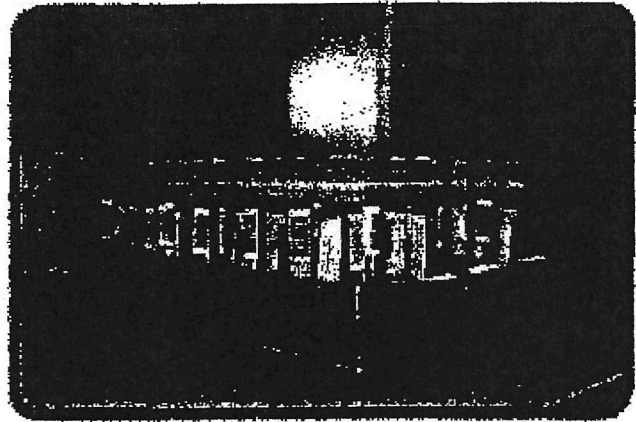
www.usdtl.com

COLLECTION INSTRUCTIONS

Blood collection instructions

Materials needed for collection

- ▶ requisition form
- ▶ forensic blood collection kit
- ▶ courier exempt human specimen overwrap



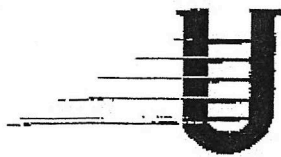
1. Verify the donor with a government-issued photo ID. (driver's license, state ID, passport)
2. Record the donor information on the requisition form.
3. Using one of the provided gray top Vacutainer tubes, execute blood draw following local Standard Operating Procedure. Discard the second vacutainer tube if not needed.
4. Peel the long chain-of-custody label from the requisition form and affix over the cap of the transport tube. Have the donor initial and date the seal. **Failure to place label over the cap will result in a "Rejected Specimen"**.
5. Have the donor print, sign and date the donor consent certification on the requisition form.
6. The collector should print, sign and date the collector certification on the requisition form.
7. Place the specimen tube(s) into the plastic tube holder.
8. Remove the adsorbent paper from the specimen bag and drape it over the tube between the two halves of the plastic tube holder.
9. Place the plastic tube holder in the specimen bag and seal the bag.
10. Place the requisition form and specimen bag into the exempt human specimen-labeled transport box and seal the box with the box seal sticker.
11. Place the transport box into the courier's exempt human specimen overwrap shipping bag. Contact your courier for pick-up.



USDTL

advancing the gold standard

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United States Drug Testing Laboratories

1700 S. Mount Prospect Road Des Plaines, Illinois 60018

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INITIAL TEST DOCUMENTS

#11

pat dbs 189-11

Batch Worklist

Batch LOMS/ 24692 Created 7/8/2011 10:58 HBN 2713634
 Rule BLD LCSCRN Analyst W. Tunstall Status WP Volume _____



| Pos | Lab ID | Specimen ID | Notes | Punches/Volume | Type | Analyte | Due Date |
|-----|--------|-------------|-------|----------------|--------|------------|-----------|
| | 877895 | | | | LOW | PEth-BLD | 7/11/2011 |
| | 877896 | | | | HIGH | PEth-BLD | 7/11/2011 |
| | 877897 | | | | CNS | PEth-BLD | 7/11/2011 |
| | 877898 | | | | MID | PEth-BLD | 7/11/2011 |
| A2 | 877434 | | | 3 | SAMPLE | PET-BLDSPT | 7/12/2011 |
| B2 | 877438 | | | 3 | SAMPLE | PET-BLDSPT | 7/12/2011 |
| C2 | 877541 | | | 3 | SAMPLE | PEth-BLD | 7/12/2011 |
| D2 | 877645 | | | 3 | SAMPLE | PEth-BLD | 7/12/2011 |
| E2 | 877550 | | | 3 | SAMPLE | PEth-BLD | 7/12/2011 |
| F2 | 877618 | | | 3 | SAMPLE | PEth-BLD | 7/12/2011 |
| A3 | 877622 | | | 3 | SAMPLE | PEth-BLD | 7/12/2011 |
| B3 | 877624 | | | 3 | SAMPLE | PEth-BLD | 7/12/2011 |
| C3 | 877649 | | | 3 | SAMPLE | PEth-BLD | 7/12/2011 |

2
7/11/11

A
7/10/11

Batch Worklist

Batch LCMS/ 24692 Created 7/8/2011 10:58 HBN 2713634
 Rule BLD LCSCRN Analyst W. Tunstall Status WP Volume _____



AL-UNETH

CONTROL SPIKE VOL (uL)
 #1 Calibrator 0309111 50ul
 C1 Mid 0309110 50ul
 C2 Low 0309113 50ul
 E1 High 0310116 50ul
 BMDAC 0309113G 50ul
 F1 Negative _____

Internal Standard Lot # 50 ¹⁵ 050211
 Internal Standard Spike Vol (uL) 50
 Spiking Standard Lot # 0309111
 CNB Lot # 176 Z 95041
 Cal 0309111

CHAIN OF CUSTODY - SPECIMEN CONTAINERS

| Date | Released By | Received By | Purpose/Remarks |
|--------|-------------------------------|-------------------------------|--|
| 7-8-11 | TEMP STORAGE REC AREA | Print: LEIGH ALTIZER Sign: | Transfer Aliquots from Specimen Containers |
| 7-8-11 | Print: LEIGH ALTIZER Sign: | TEMP STORAGE REC AREA | Return Specimens to Temporary Storage |

CHAIN OF CUSTODY - SCREENING ALIQUOTS

| Date | Released By | Received By | Purpose/Remarks |
|-------------------|--------------------------------|--------------------------------|--------------------------------------|
| 7-8-11 | Print: LEIGH ALTIZER Sign: | TEMP STORAGE EXTRACTION AREA | Transfer Aliquots to Extraction Area |
| 7/8/11 | TEMP STORAGE EXTRACTION AREA | Print: MARLANDIS MIMS Sign: | SAMPLE PREPARATION |
| 7/8/11 | Print: MARLANDIS MIMS Sign: | RICHA SHAH | SAMPLE PREPARATION |
| 7/8/11 | RICHA SHAH | LCMS # <u>11</u> | LCMS Analysis |
| 7/8/11 | LCMS # <u>11</u> | LCMS/MS # <u>11</u> | LCMS/MS Analysis |
| 7/9/11 | LCMS/MS # <u>11</u> | ROSEMARIE RIOS | Transfer Aliquots |
| 7/9/11 | ROSEMARIE RIOS | Disposed | Disposed |

3/7/14

Quant Sample Report (ISTD)

Batch Info

Batch Data Path: D:\MassHunter\Data\070811\QuantResults\petdbs189-11_batch.bin

Analysis Time: 7/9/2011 4:07 PM
 Report Time: 7/9/2011 4:08 PM
 Last Calib Update: 7/9/2011 4:07 PM

Analysis Info

Acq Time: 7/9/2011 14:48
 Data File: petdbs189-11a-10.d
 Acq Method File: pet DBS.m
 Sample Name: cal
 Sample Type: Calibration
 Level: 1
 Sample Pos: P1-B1
 Sample Amount: 3

9

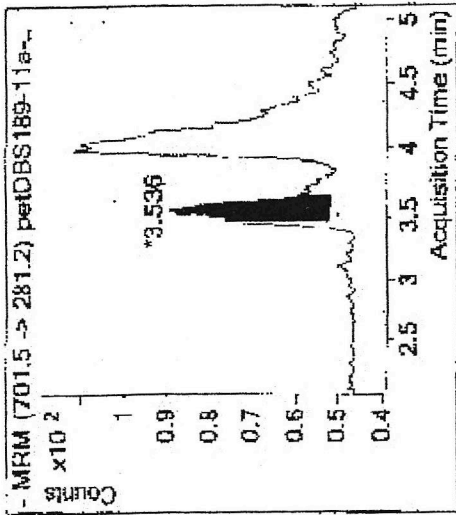
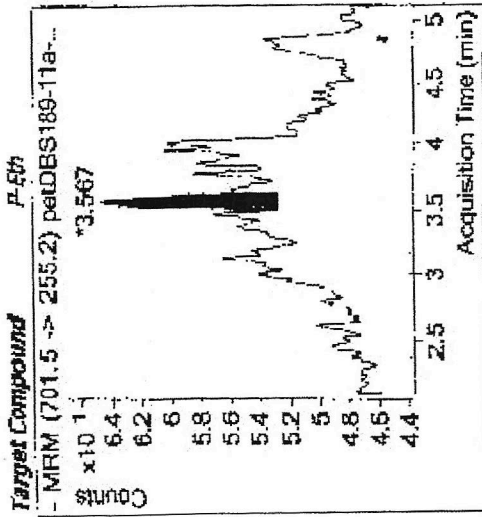
Quantitation Results

| Target Compound | QUANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|----------------|----------------|-------|------------|-----------|-----------|------------|--------|--------|--------|---------|
| P-Eth | 701.5 -> 255.2 | 701.5 -> 281.2 | 3.567 | 68 | 266 | 20.00 | 20.00 | 392.64 | 274.40 | 509.60 | 30.00 |
| P-Eth | 701.5 -> 255.2 | | | | | | | | | | |

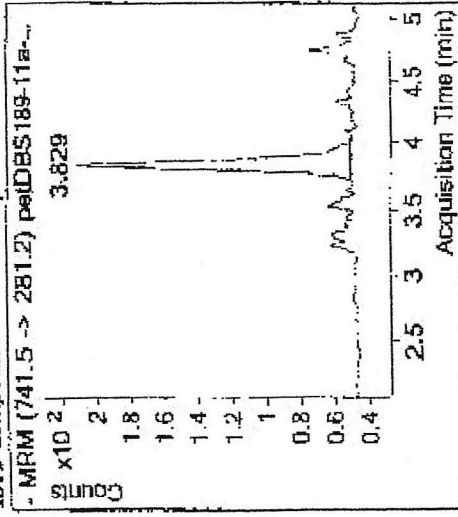
8

Quant Sample Report (ISTD)

Compound Graphics



ISTD Compound



Quant Sample Report (ISTD)

Batch Info

Batch Data Path D:\MassHunter\Data\070811\QuantResults\petdbs189-11.batch.blr

Analysis Time 7/9/2011 4:07 PM
 Report Time 7/9/2011 4:08 PM
 Last Calib Update 7/9/2011 4:07 PM

Analysis Info

Acq Time 7/9/2011 15:05
 Data File petdbs189-11a-12.d
 Acq Method File pet dBS.m
 Sample Name low
 Sample Type Sample
 Level
 Sample Pos P1-D1
 Sample Amount 3

M

Quantitation Results

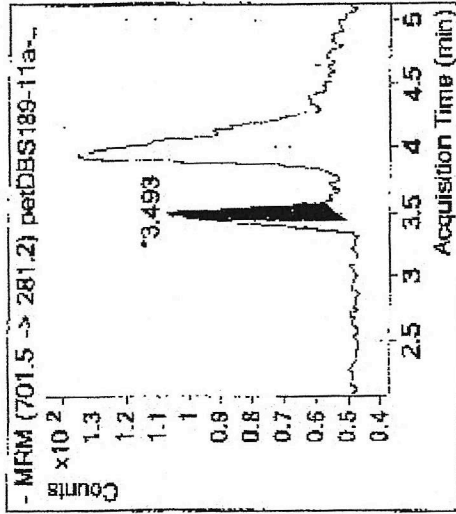
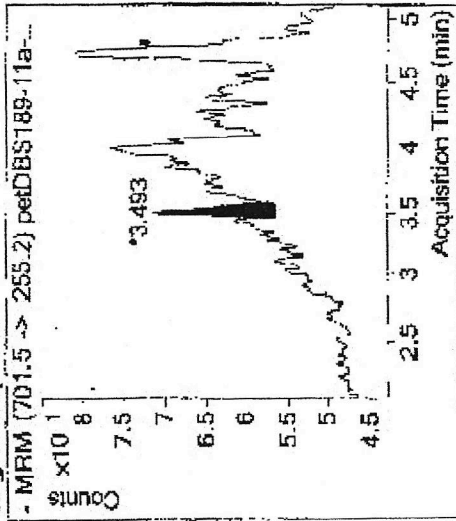
| Target Compound | QUANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|----------------|----------------|-------|------------|-----------|-----------|------------|--------|--------|--------|---------|
| P-Eth | 701.5 -> 255.2 | 701.5 -> 281.2 | 3.493 | 60 | 273 | 9.91 | 9.91 | 453.49 | 274.40 | 509.60 | 30.00 |
| P-Eth | 701.5 -> 255.2 | | | | | | | | | | |

P

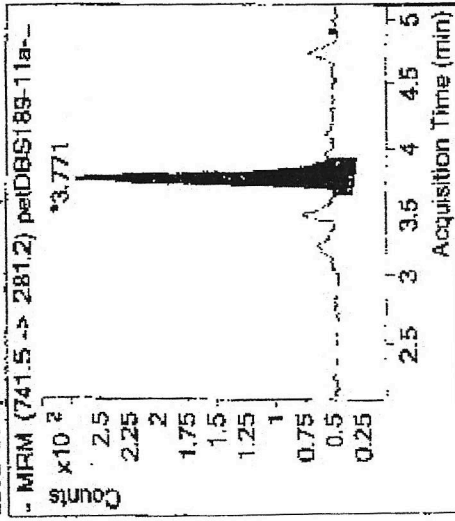
Quant Sample Report (ISTD)

Compound Graphics

Target Compound P-Eth



ISTD Compound P-Prop



Quant Sample Report (ISTD)

Batch Info

Batch Data Path D:\MassHunter\Data\070811\QuantResults\petdbs189-111.batch.bin

Analysis Time 7/9/2011 4:07 PM
 Report Time 7/9/2011 4:08 PM
 Last Calib Update 7/9/2011 4:07 PM

Analysis Info

Acq Time 7/9/2011 14:57
 Data File petDBS189-11a-11.d
 Acq Method File pet.DBS.m
 Sample Name mid
 Sample Type Sample
 Level
 Sample Pos P1-C1
 Sample Amount 3

ad

Quantitation Results

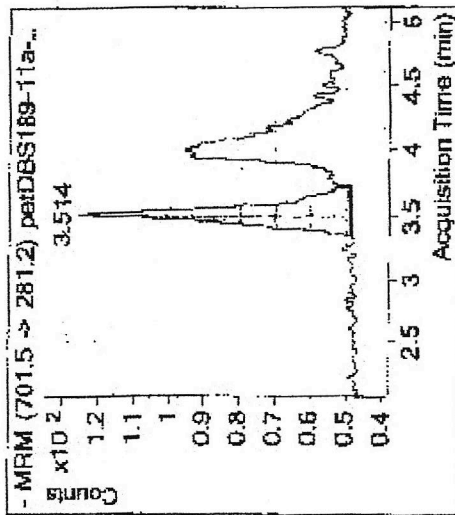
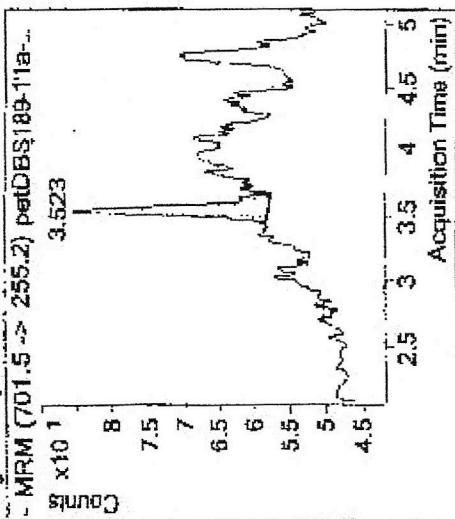
| Target Compound | QUANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|----------------|----------------|-------|------------|-----------|-----------|------------|--------|--------|--------|---------|
| P-Eth | 701.5 -> 255.2 | 701.5 -> 281.2 | 3.523 | 139 | 609 | 25.93 | 509.60 | 437.37 | 274.49 | 509.60 | 30.00 |
| P-Eth | 701.5 -> 255.2 | | | | | 25.93 | 25.93 | | | | |

f

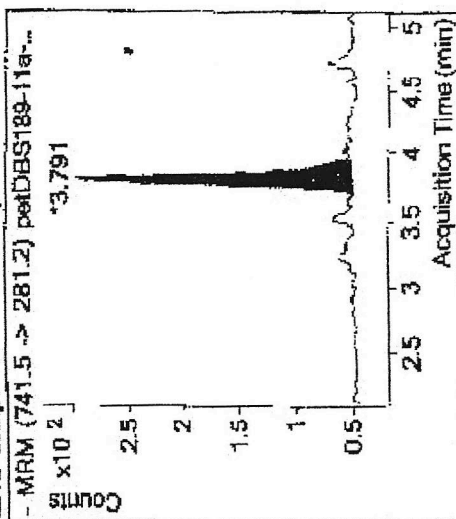
Quant Sample Report (ISTD)

Compound Graphics

Target Compound *PtBh*



ISTD Compound *PtProp*



Quant Sample Report (ISTD)

Batch Info

Batch Data Path D:\MassHunter\Data\070811\QuantResults\petrbs189-11.batch.bin
 Analysis Time 7/9/2011 4:07 PM
 Report Time 7/9/2011 4:08 PM
 Last Calib Update 7/9/2011 4:07 PM

Analysis Info

Acq Time 7/9/2011 0:31
 Data File petrbs189-11-13.d
 Acq Method File pet.DBS.m
 Sample Name high
 Sample Type Sample
 Level
 Sample Pos P1-E1
 Sample Amount 3

M

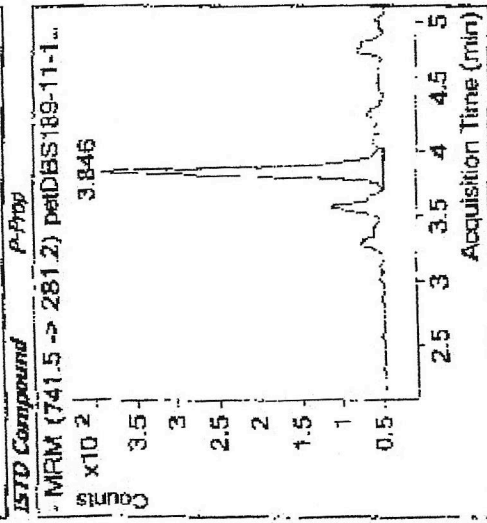
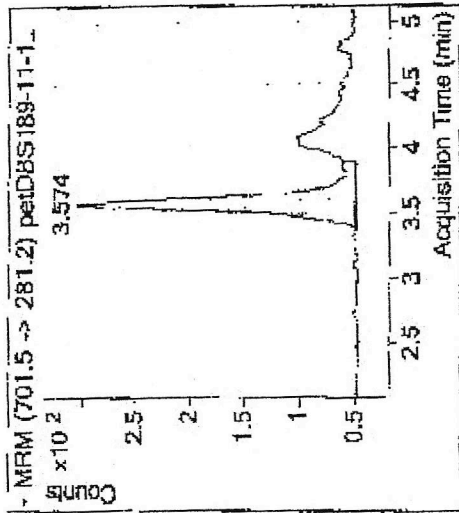
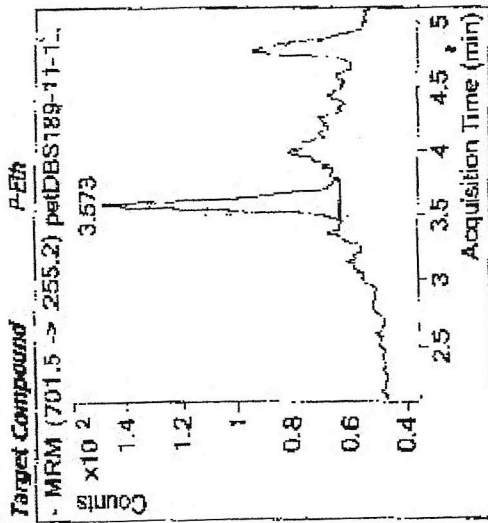
Quantitation Results

| Target Compound | QUANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|----------------|----------------|-------|------------|-----------|-----------|------------|--------|--------|--------|---------|
| P-Eth | 701.5 -> 255.2 | 701.5 -> 281.2 | 3.373 | 574 | 2017 | 82.49 | 82.49 | 351.59 | 274.40 | 599.60 | 30.00 |
| P-Eth | 701.5 -> 255.2 | | | | | | | | | | |

1

Quant Sample Report (ISTD)

Compound Graphics



Quant. Sample Report (ISTD)

Batch Info

Batch Data Path: D:\MassHunter\Data\070811\QuantResults\p4stds189-11_batch.tlm

Analysis Time: 7/9/2011 4:07 PM
 Report Time: 7/9/2011 4:08 PM
 Last Calib Update: 7/9/2011 4:07 PM

Analysis Info

Acq Time: 7/9/2011 0:48
 Data File: \MSDCBS189-11-15.d
 Acq Method File: pet.DBS.m
 Sample Name: neg
 Sample Type: Sample
 Level:
 Sample Pos: P1-F1
 Sample Amount: 3

M

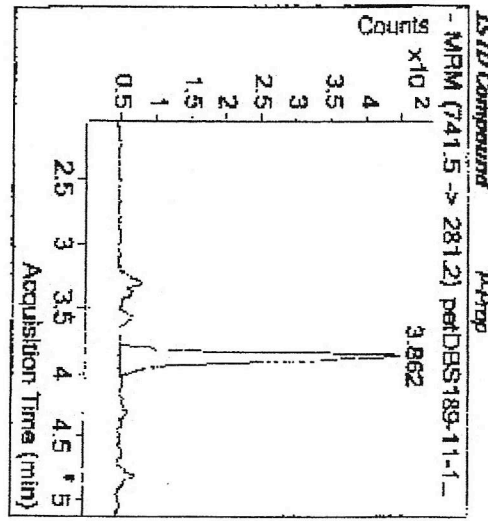
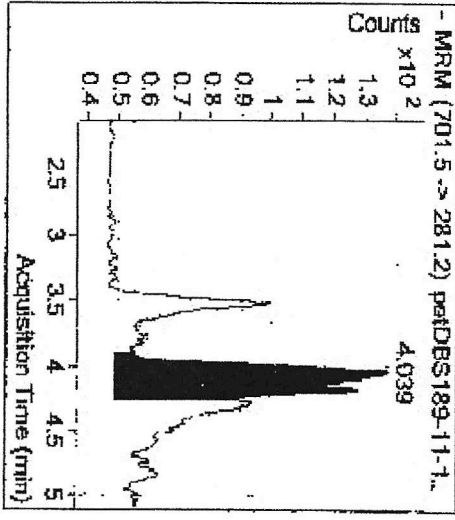
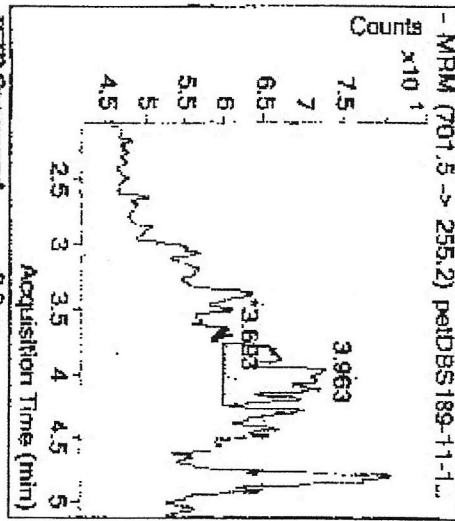
Quantitation Results

| Target Compound | QUANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|----------------|----------------|-------|------------|-----------|-----------|------------|-------|--------|--------|---------|
| P-Eth | 701.5 -> 255.2 | 701.5 -> 281.2 | 3.693 | 5 | 1221 | 0.56 | 0.56 | | 274.40 | 509.60 | 30.00 |
| P-Eth | 701.5 -> 255.2 | | 3.963 | | | | | | | | |
| P-Eth | 701.5 -> 255.2 | | | | | | | | | | |

Quant Sample Report (ISTD)

Compound Graphics

Target Compound: *P-Eth*



Quant Sample Report (ISTD)

Batch Info

Batch Data Path: O:\MassHunter\Data\070811\QuantResults\petdbs189-11.Batch.bln

Analysis Time: 7/9/2011 4:07 PM

Report Time: 7/9/2011 4:08 PM

Last Callb Update: 7/9/2011 4:07 PM

Analysis Info

Acq Time: 7/9/2011 8:58

Data File: petdbs189-11-24.d

Acq Method File: pet DBS.m

Sample Name: 877849

Sample Type: Sample

Level:

Sample Pos: #1-C3

Sample Amount: 3

Handwritten mark

Quantitation Results

| Target Compound | QANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|----------------|----------------|-------|------------|-----------|-----------|------------|--------|--------|--------|---------|
| P-Eth | 701.5 -> 255.2 | 701.5 -> 281.2 | 3.556 | 1301 | 4115 | 255.42 | 255.42 | 316.23 | 274.40 | 509.60 | 30.00 |
| P-Eth | 701.5 -> 255.2 | | | | | | | | | | |

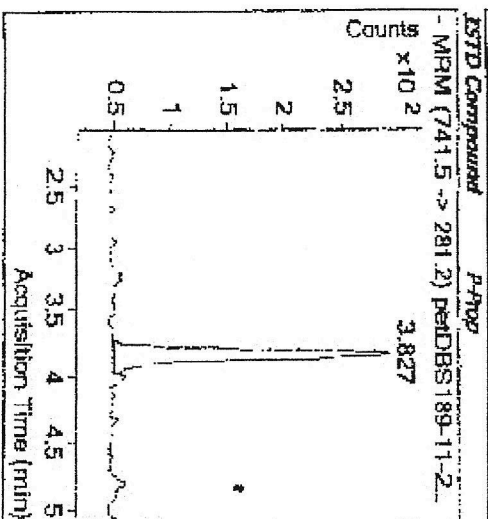
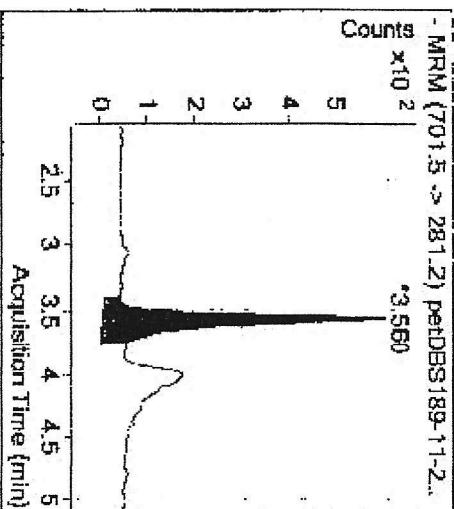
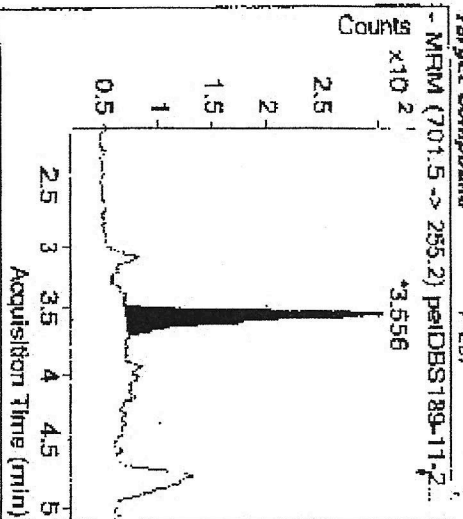
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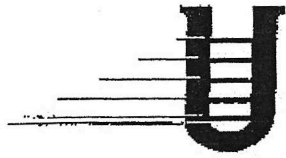
Quant Sample Report (ISTD)

Compound Graphics

Target Compound

P-ETD





United States Drug Testing Laboratories

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CONFIRMATION TEST DOCUMENTS

petdb0194-11 (071311bs)

11 P2

Batch Worklist

Batch LCMS/24829 Created 7/13/2011 09:41 HBN 2714507
 Rule PEth CNF B Analyst S. Holmes Status WP Volume _____



| Pos | Lab ID | Specimen ID | Notes | Punches | Volume | Type | Analysis | Due Date |
|-----|--------|-------------|-------------|---------|--------|--------|-----------|-----------|
| D1 | 879712 | | | | | LOW | PEth CONF | 7/14/2011 |
| E1 | 879713 | | | | | HIGH | PEth CONF | 7/14/2011 |
| F1 | 879714 | | | | | CNA | PEth CONF | 7/14/2011 |
| G1 | 879715 | | | | | MID | PEth CONF | 7/14/2011 |
| A2 | 876868 | 3246642 | RERUN[CS,X] | | 3 | SAMPLE | PEth CONF | 7/15/2011 |
| B2 | 877582 | 600335 | RERUN[CS,X] | | 3 | SAMPLE | PET CONF | 7/16/2011 |
| C2 | 877068 | 27243 | RERUN[CS,X] | | 3 | SAMPLE | PEth CONF | 7/16/2011 |
| D2 | 877648 | 461420 | RERUN[CS,X] | | 3 | SAMPLE | PEth CONF | 7/16/2011 |
| E2 | 878408 | 3246644 | | | 3 | SAMPLE | PEth CONF | 7/15/2011 |

A1 unex
B1 cal

[Handwritten signatures and dates]
 2/14/11
 7/14/11

Batch Worklist

Batch LCMS/24829 Created 7/13/2011 09:41 HBN 2714507
 Rule PEth CNF B Analyst S. Holmes Status WP Volume _____



CONTROL SPIKE VOL (uL)
 Calibrator 0309111 50uL
 Mid 0309110 50uL
 Low 0309113 50uL
 High 0310116 50uL
 Blind QC 03091130 50uL
 Negative _____

Internal Standard Lot # C50211
 Internal Standard Spike Vol (uL) 50
 Spiking Standard Lot # _____
 CNB Lot # 1762 950uL
 Cal _____

CHAIN OF CUSTODY - SPECIMEN CONTAINERS

| Date | Released By | Received By | Purpose/Remarks |
|---------|-------------------------------------|-------------------------------------|--|
| 7-13-11 | TEMP STORAGE REC AREA | Print: LEIGH ALTIZER Sign: _____ | Transfer Aliquots from Specimen Containers |
| 7-13-11 | Print: LEIGH ALTIZER Sign: _____ | TEMP STORAGE REC AREA | Return Specimens to Temporary Storage |

CHAIN OF CUSTODY - SCREENING ALIQUOTS

| Date | Released By | Received By | Purpose/Remarks |
|---------|--------------------------------------|--------------------------------------|--------------------------------------|
| 7-13-11 | Print: LEIGH ALTIZER Sign: _____ | TEMP STORAGE EXTRACTION AREA | Transfer Aliquots to Extraction Area |
| 7/13/11 | TEMP STORAGE EXTRACTION AREA | Print: MARLANDIS MIMS Sign: _____ | SAMPLE PREPARATION |
| 7/13/11 | Print: MARLANDIS MIMS Sign: _____ | ERIC SKELNIK | Extraction |
| 7/13/11 | ERIC SKELNIK | LCMSMS 11 | LCMSMS Analysis |
| 7/14/11 | LCMSMS 11 ROSEMARIE RIOS | ROSEMARIE RIOS | Transfer Aliquots |
| 7/14/11 | _____ | Disposal | Disposal |
| | | | |
| | | | |

Quant Sample Report (ISTD)

Batch Info

Batch Data Path D:\MassHunter\Data\071311\QuantResults\petdbs194-11.batch.bin

Analysis Time 7/14/2011 1:00 PM
 Report Time 7/14/2011 1:01 PM
 Last Calib Update 7/14/2011 1:00 PM

Analysis Info

Acq Time 7/14/2011 3:14
 Data File petdbs194-11-10.d
 Acq Method File pet DMS.m
 Sample Name cal
 Sample Type Calibration
 Level 1
 Sample Pos P2-B1
 Sample Amount

Handwritten mark

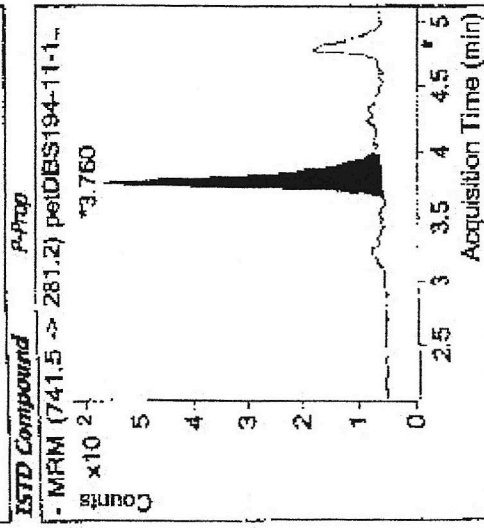
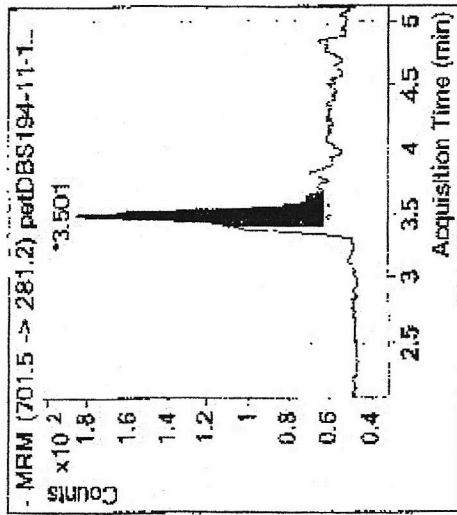
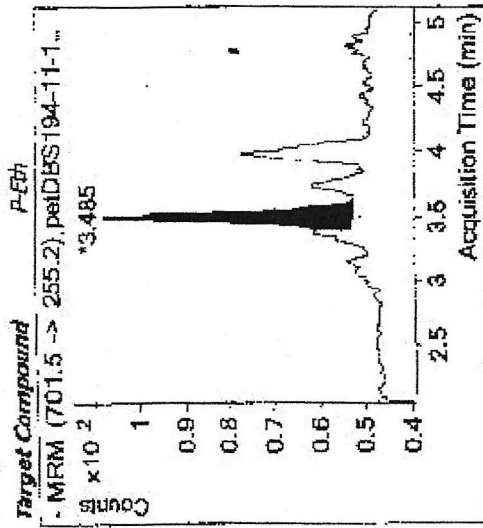
Quantitation Results

| Target Compound | QUANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|----------------|----------------|-------|------------|-----------|-----------|------------|--------|--------|--------|---------|
| P-Eth | 701.5 -> 255.2 | 701.5 -> 281.2 | 3.465 | 300 | 800 | 20.00 | 20.00 | 266.98 | 186.30 | 347.10 | 30.00 |
| P-Eth | 701.5 -> 255.2 | | | | | | | | | | |

Handwritten mark

Quant Sample Report (ISTD)

Compound Graphics



Quant Sample Report (ISTD)

Batch Info

Batch Data Path D:\MassHunter\Data\071311\QuantResults\peths194-11.batch.bin

Analysis Time 7/14/2011 1:00 PM
 Report Time 7/14/2011 1:01 PM
 Last Calib Update 7/14/2011 1:00 PM

Analysis Info

Acq Time 7/14/2011 3:31
 Data File peths194-11-12.d
 Acq Method File pet.DBS.m
 Sample Name low
 Sample Type Sample
 Level
 Sample Pos P2-D1
 Sample Amount

ad

Quantitation Results

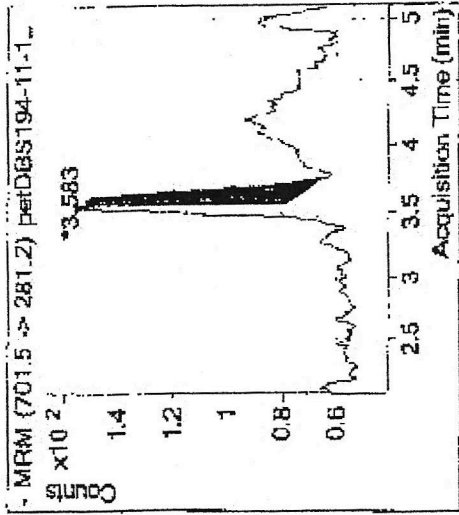
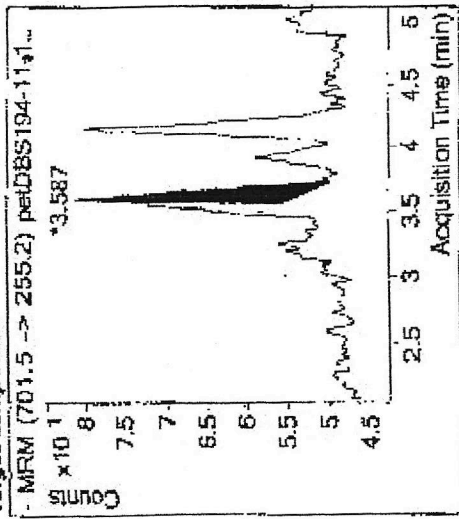
| Target Compound | QUANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|----------------|----------------|-------|------------|-----------|-----------|------------|--------|--------|--------|---------|
| P-Eth | 701.5 -> 255.2 | 701.5 -> 281.2 | 3.587 | 140 | 455 | 9.38 | 9.38 | 332.14 | 186.90 | 347.10 | 30.00 |
| P-Eth | 701.5 -> 255.2 | | | | | | | | | | |

f

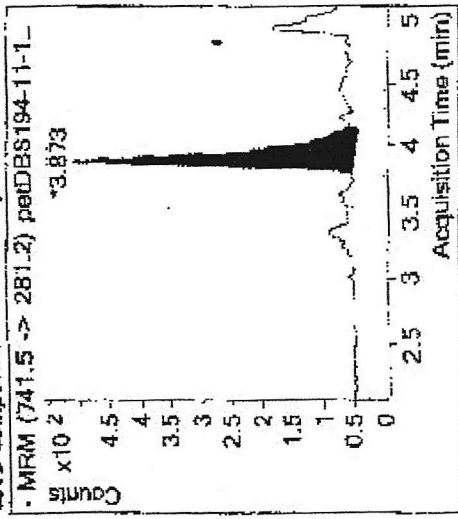
Quant Sample Report (ISTD)

Compound Graphics

Target Compound P-Eth



ISTD Compound P-Prop



Quant Sample Report (ISTD)

Batch Info

Batch Data Path D:\MassHunter\Data\071111\QuantResults\petdbst194-1.L\batch.blw

Analysis Time 7/14/2011 1:00 PM

Report Time 7/14/2011 1:01 PM

Last Calib Update 7/14/2011 1:00 PM

Analysis Info

Acq Time 7/14/2011 3:22

Data File petDBS194-11-11.d

Acq Method File pet.DBS.m

Sample Name nld

Sample Type Sample

Level

Sample Pos 92-C1

Sample Amount

W

Quantitation Results

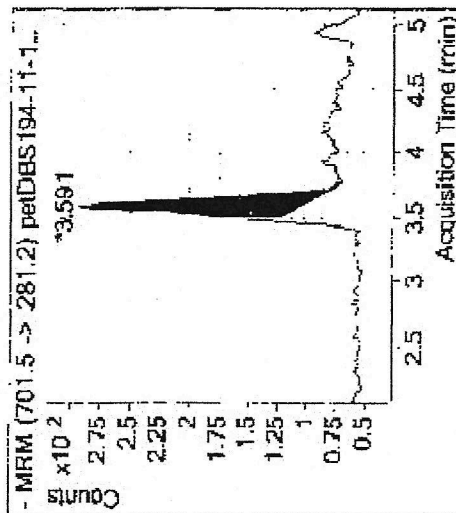
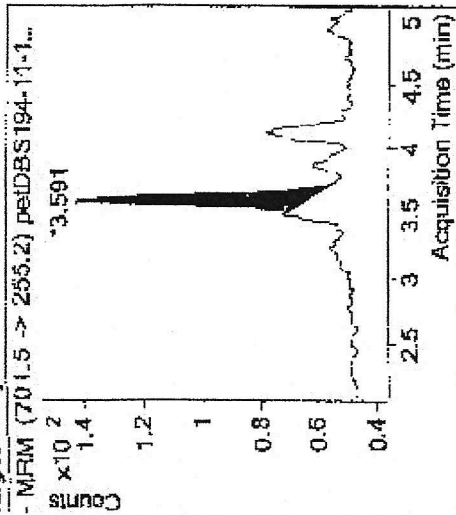
| Target Compound | QUANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|----------------|----------------|-------|------------|-----------|-----------|------------|--------|--------|--------|---------|
| P-Eth | 701.5 -> 255.2 | 701.5 -> 281.2 | 3.591 | 417 | 1352 | 27.52 | 27.52 | 323.97 | 186.90 | 347.10 | 30.00 |
| P-Eth | 701.5 -> 255.2 | | | | | | | | | | |

8

Quant Sample Report (ISTD)

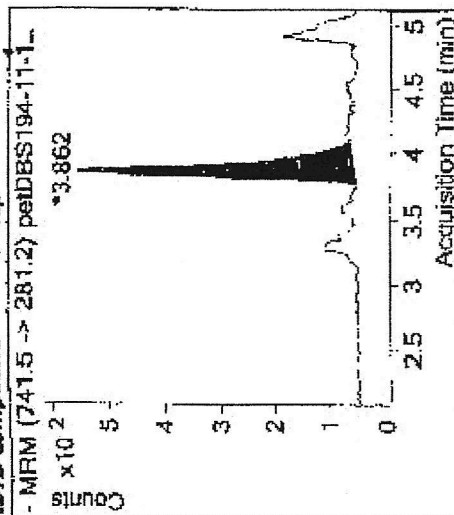
Compound Graphics

Target Compound P-Eth



ISTD Compound

P-Prop



Quant Sample Report (ISTD)

Batch Info

Batch Data Path D:\MassHunter\Data\071311\QuantResults\petdbs194-11.batch.bin

Analysis Time 7/14/2011 1:00 PM
 Report Time 7/14/2011 1:01 PM
 Last Calib Update 7/14/2011 1:00 PM

Analysis Info

Acq Time 7/14/2011 3:39
 Data File petDBS194-11-13.a
 Acq Method File pet.DBS.m
 Sample Name Igh
 Sample Type Sample
 Level
 Sample Pos P2-E1
 Sample Amount

M

Quantitation Results

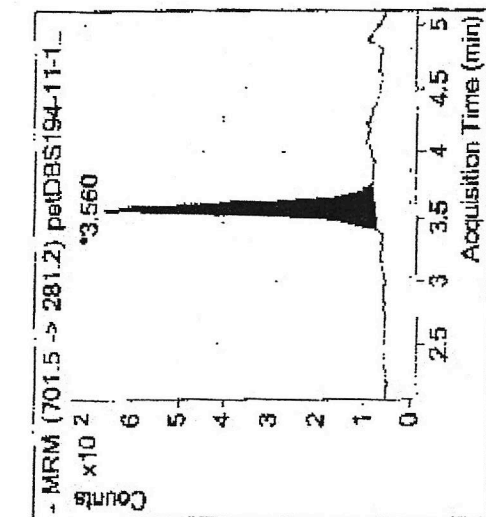
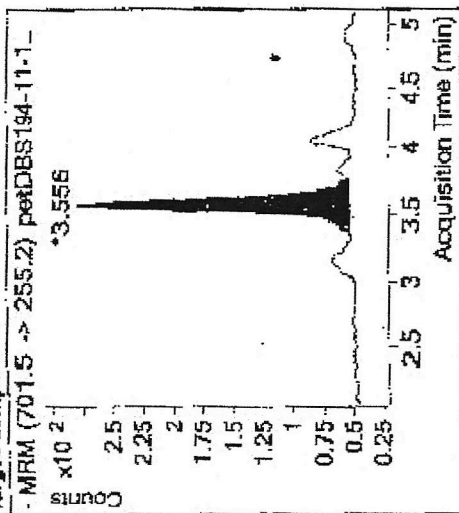
| Target Compound | QUANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|---------------|---------------|-------|------------|-----------|-----------|------------|--------|--------|--------|---------|
| P-Eth | 701.5 → 255.2 | 701.5 → 281.2 | 3.556 | 1505 | 3919 | 80.69 | 80.69 | 260.35 | 186.90 | 347.10 | 30.00 |
| P-Eth | 701.5 → 255.2 | | | | | | | | | | |

P

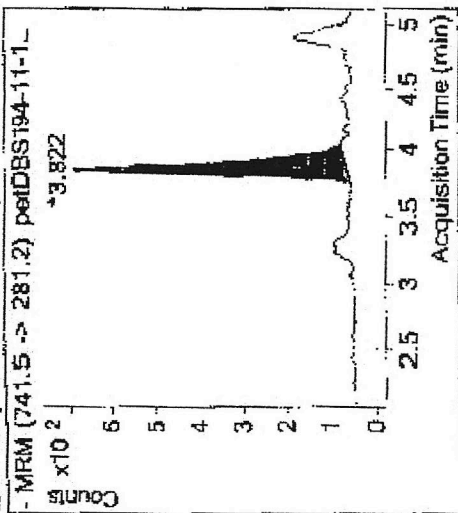
Quant Sample Report (ISTD)

Compound Graphics

Target Compound P-Eth



ISTD Compound P-Prop



Quant Sample Report (ISTD)

Batch Info

Batch Data Path D:\MassHunter\Data\071311\QuantResults\petdbs194-11_batch.d

Analysis Time 7/14/2011 1:00 PM
 Report Time 7/14/2011 1:01 PM
 Last Calib Update 7/14/2011 1:00 PM

Analysis Info

Acq Time 7/14/2011 3:56
 Data File petdbs194-11-15.d
 Acq Method File pet DBS.m
 Sample Name neg
 Sample Type Sample
 Label
 Sample Pos P2-F1
 Sample Amount

pd

Quantification Results

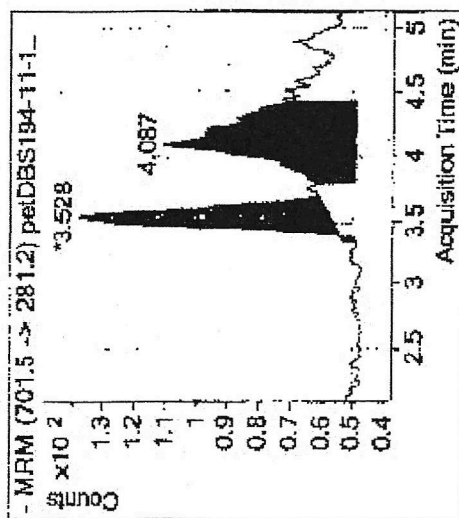
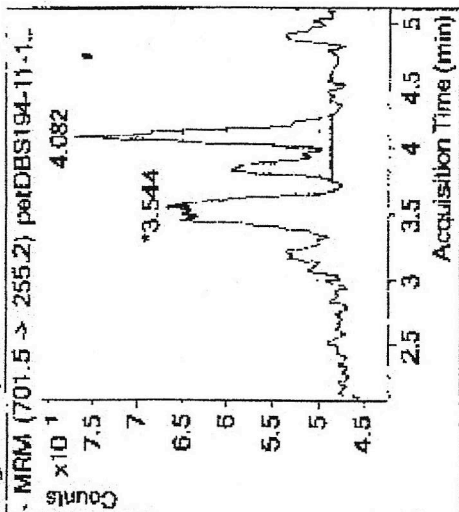
| Target Compound | QUANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|---------------|---------------|-------|------------|-----------|-----------|------------|----------|--------|--------|---------|
| P-Eth | 701.5 → 255.2 | 701.5 → 281.2 | 3.544 | 5 | 738 | 0.36 | 0.36 | 1.547655 | 186.90 | 347.10 | 30.00 |
| P-Eth | 701.5 → 255.2 | 701.5 → 281.2 | 4.082 | | 1742 | | | | 186.90 | 347.10 | 30.00 |
| P-Eth | 701.5 → 255.2 | | | | | | | | | | |
| P-Eth | 701.5 → 255.2 | | | | | | | | | | |

d

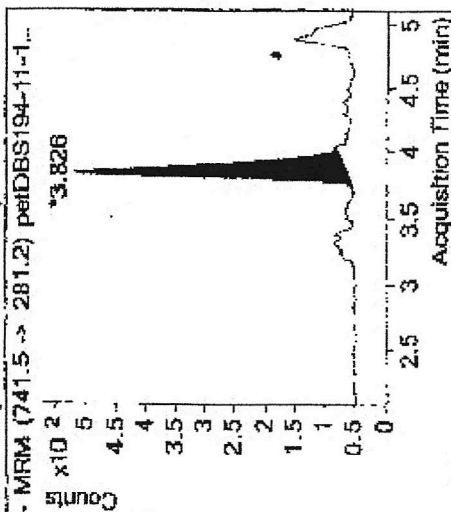
Quant Sample Report (ISTD)

Compound Graphics

Target Compound P-Eth



ISTD Compound P-Prop



Quant Sample Report (ISTD)

Batch Info

Batch Data Path D:\MassHunter\Data\071311\QuantResults\peids194-11.batch.bin

Analysis Time 7/14/2011 1:00 PM
 Report Time 7/14/2011 1:01 PM
 Last Calib Update 7/14/2011 1:00 PM

Analysis Info

Acq Time 7/14/2011 4:56
 Data File peIDS194-11-22.d
 Acq Method File pet.DES.m
 Sample Name 877648
 Sample Type Sample
 Level
 Sample Pos P2-D2
 Sample Amount

A

Quantitation Results

| Target Compound | QUANT | QUAL | RT | Quant Area | Qual Area | On Column | Final Conc | Ratio | Min | Max | % Range |
|-----------------|----------------|----------------|-------|------------|-----------|-----------|------------|--------|--------|--------|---------|
| P-Eth | 701.5 -> 255.2 | 701.5 -> 281.2 | 3.748 | 2429 | 5980 | 365.41 | 365.41 | 746.16 | 186.90 | 347.10 | 30.00 |
| P-Eth | 701.5 -> 255.2 | | | | | | | | | | |

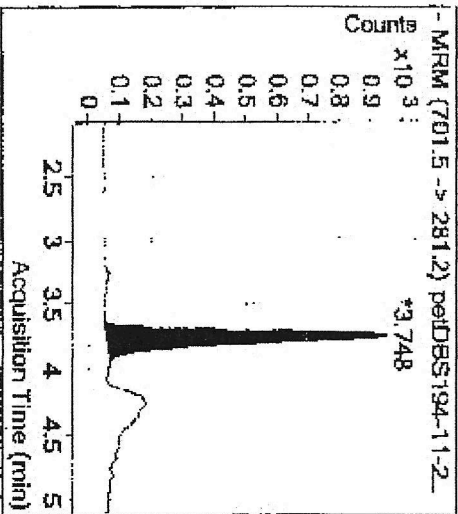
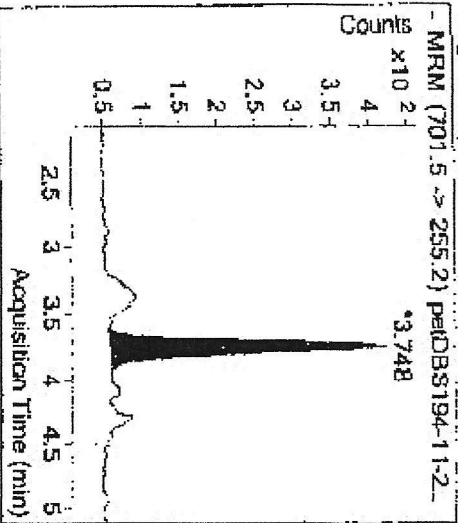
B

Quant Sample Report (ISTD)

Compound Graphics

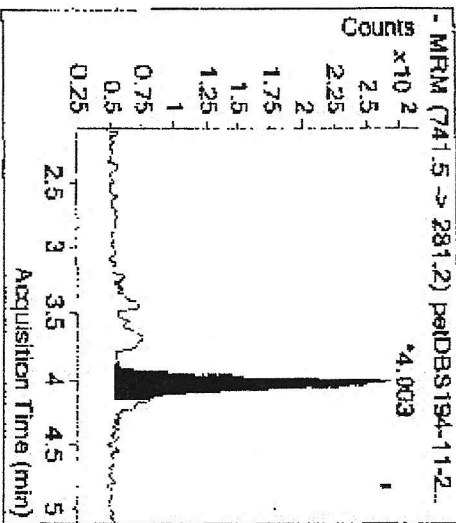
Target Compound

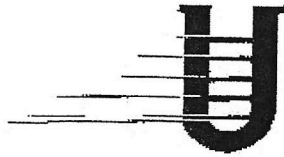
P-Eth



ISTD Compound

P-Prop





United States Drug Testing Laboratories

1700 S. Mount Prospect Road Des Plaines, Illinois 60018

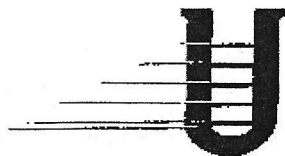
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| College of American Pathologist (FUDT) | #3754202 |
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| State of Pennsylvania | #027225 |
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| NY State Dept. of Health | #814035A0 |