

September 12, 2011

**TestAmerica Project Number: G1I010458**

PO/Contract: 21-26719D

John Pekala  
ENVIRON International Corp.  
1702 E. Highland Avenue Suite  
Phoenix, AZ 85016

Dear Mr. Pekala,

This report contains the analytical results for the sample received under chain of custody by TestAmerica on September 1, 2011. This sample is associated with your Henderson NV project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4383.

Sincerely,



DAVID R. ALLTUCKER  
Project Manager

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Sample: 1

Sample Data Sheet

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## Case Narrative

### TestAmerica West Sacramento Project Number G1I010458

#### **SOLID, 8290, Dioxins/Furans, HRGC/HRMS**

Sample(s): 1

The concentration of OCDD in the sample exceeded the upper quantitation level of the initial calibration curve, but the peak did not saturate the instrument detector. Historical data indicates that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported with the 'E' qualifier.

The matrix spike/matrix spike duplicate (MS/MSD) associated with this extraction batch has recovery(s) outside the established control limits for OCDD. Acceptable laboratory control sample (LCS) data demonstrate that the analytical system is in control. This anomaly is most likely matrix related.

The result for 2, 3, 7, 8-TCDF is reported from the confirmation analysis that occurred on September 8, 2011.

There were no other anomalies associated with this project.

## TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
A2LA (DoD-ELAP)	2928-01	New Mexico	NA
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania*	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas*	T104704399-08-TX
Connecticut	PH-0691	UCMR	CA00044
Florida*	E87570	US Fish & Wildlife	LE148388-0
Georgia	960	USDA Foreign Plant	37-82605
Guam	10-009r	USDA Foreign Soil	P330-09-00055
Hawaii	NA	Utah*	QUAN1
Illinois*	002701	Virginia	178
Kansas*	E-10375	Washington	C581
Louisiana*	01944	West Virginia	9930C, 334
Michigan	9947	Wisconsin	998204680
Nevada	CA44	Wyoming	8TMS-Q
New Jersey*	CA005		

\*NELAP accredited. A more detailed parameter list is available upon request. *Updated 5/25/2011*

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G1I010458

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
ML699	1	DS-E14C-2	8/31/2011 09:05 AM	9/1/2011 08:50 AM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NAME / FACILITY ID: NERT FIELD PERSON: BETH RICHTER  
 PROJECT NUMBER: 21-26719D DATE: 8/31/11 PROJECT MANAGER: JOHN PEKALA  
 PROJECT LOCATION: HENDERSON, NV LABORATORY: WEST SAC. (TEST AMERICA) WO#: 21-26719D

IS THIS A UST PROJECT OR IS EDF REQUIRED?  Y  N IF YES, GLOBAL ID #:

SAMPLER: <u>B. Richter</u> SIGNATURE: <u>Beth Richter</u>	YEAR	SAMPLE DATE	SAMPLE TIME	SAMPLE DEPTH	MATRIX (S) SOIL (G) GAS (W) WATER	NUMBER OF CONTAINERS	FILTERED/UNFILTERED (F/U)	PRESERVATION (SEE KEY)	ANALYSIS REQUIRED <u>DIOXINS (8280) (8270)</u>	COMMENTS
	2011									
		8/31/0905		-	S	1	U	N	X	QUESTIONS TO DAN CLARK 510-420-2563
<div style="border: 1px solid black; width: 100%; height: 100%; transform: rotate(-45deg); transform-origin: center;">                 BR             </div>										
<b>TOTAL</b>		X	X	X	X	X	X	X	X	RESULTS TO DAN C., J. PEKALA jpekala@ environcorp.com

RELINQUISHED BY: Beth Richter TIME/DATE: 1300 8/31/11 RECEIVED BY: [Signature] TIME/DATE: 1300 8/31/11

RELINQUISHED BY: [Signature] TIME/DATE: 1600 8/31/11 RECEIVED BY: [Signature] TIME/DATE: 945 9/1/11

RELINQUISHED BY: \_\_\_\_\_ TIME/DATE: \_\_\_\_\_ RECEIVED BY: [Signature] TIME/DATE: \_\_\_\_\_

TURNAROUND TIME (CIRCLE ONE)	SAMEDAY	72 HOURS
	24 HOURS	<u>5</u> DAYS
	48 HOURS	NORMAL

SAMPLE INTEGRITY: \_\_\_\_\_ IF SEALED, SEAL INTEGRITY: \_\_\_\_\_  
 INTACT: Y N Temp: \_\_\_\_\_ INTACT: Y N



THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT Environ PM DA LOG# 72638

LOT# (QUANTIMS ID) 61E010458 QUOTE# 88682 LOCATION W/6A

DATE RECEIVED 9/1/11 TIME RECEIVED 850 Checked (v) [x]

DELIVERED BY [x] FEDEX [ ] ON TRAC [ ] OTHER [ ] GOLDENSTATE [ ] UPS [ ] EZ PARCEL [ ] TAL COURIER [ ] TAL SF [ ] CLIENT [x]

SHIPPING CONTAINER(S) [ ] TAL [x] CLIENT [ ] N/A [x]

CUSTODY SEAL STATUS [x] INTACT [ ] BROKEN [ ] N/A [x]

CUSTODY SEAL #(S) 173757

COC #(S) NA [x]

TEMPERATURE BLANK Observed: NA Corrected: NA

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 5 Average 5 Corrected Average 5

LABORATORY THERMOMETER ID: IR UNIT: #4 [x] #5 [ ] OTHER [ ]

Initials JS Date 9/1/11

pH MEASURED [ ] YES [ ] ANOMALY [x] N/A [x]

LABELED BY [x]

LABELS CHECKED BY [x]

PEER REVIEW [ ] NA [x]

SHORT HOLD TEST NOTIFICATION SAMPLE RECEIVING [x] WETCHEM [ ] N/A [x] VOA-ENCORES [x] N/A [x]

[ ] METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL [x] N/A [x]

[x] COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES [ ] N/A [x]

[ ] CLOUSEAU [ ] TEMPERATURE EXCEEDED (2 °C - 6 °C)\*1 [x] N/A [x]

[x] WET ICE [ ] BLUE ICE [ ] GEL PACK [ ] NO COOLING AGENTS USED [ ] PM NOTIFIED [x]

Initials JS Date 9/1/11

Notes

\*1 Acceptable temperature range for State of Wisconsin samples is <=4°C.

Lot ID: 61I010458

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ	1																			
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's



ORIGIN ID: LASA (702) 429-1264  
DAN NATAIC  
TESTAMERICA  
6000 S. EASTERN AVENUE  
SUITE #5E  
LAS VEGAS, NV 89119  
UNITED STATES US

SHIP DATE: 31AUG11  
ACTWGT: 19.2 LB  
CAD: 8198877CAFE2472

BILL RECIPIENT

11/02/11 04/11

TO SAMPLE RECEIVING  
TESTAMERICA  
880 RIVERSIDE PARKWAY

**WEST SACRAMENTO CA 95605**

(916) 373-5600

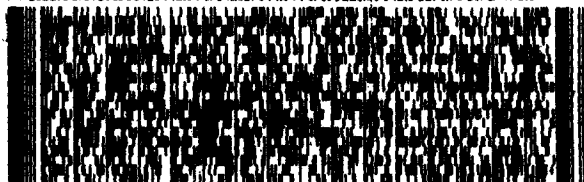
REF:

TRK#

PS:

DEPT:

ALL INFORMATION ON THIS LABEL IS FOR THE USE OF THE COURIER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS



**FedEx**  
Express



**THU - 01 SEP A1**

**PRIORITY OVERNIGHT**

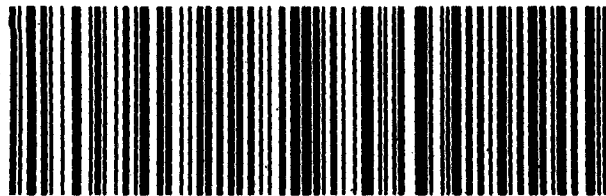
TRK# 4806 8565 9815

0201

**XH BLUA**

**95605**

CA-US  
SMF



50822/4290/3047

**SOLID, 8290,  
Dioxins/Furans,  
HRGC/HRMS**

ENVIRON International Corp.

Sample ID: DS-E14C-2

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G1I010458 - 001	Work Order #....:	ML6991AD	Matrix....:	SO
Date Sampled....:	08/31/11	Date Received....:	09/01/11	Instrument ID....:	3D5
Prep Date....:	09/02/11	Analysis Date....:	09/08/11	% Moisture....:	0.50
Prep Batch # ....:	1252154	Dilution Factor....:	1.73	Units.....:	pg/g
Initial Wgt/Vol :	5.77 g	Analyst ID....:	Sonia Ouni		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	8.7		1.7	0.27	1	8.7
1,2,3,7,8-PeCDD	39		8.7	1.2	1	39
1,2,3,4,7,8-HxCDD	30		8.7	0.69	0.1	3.0
1,2,3,6,7,8-HxCDD	160		8.7	0.52	0.1	16
1,2,3,7,8,9-HxCDD	63		8.7	0.58	0.1	6.3
1,2,3,4,6,7,8-HpCDD	2000	B	8.7	2.5	0.01	20
OCDD	12000	E B	17	4.6	0.0003	3.6
2,3,7,8-TCDF	230	CON	1.7	0.96	0.1	23
1,2,3,7,8-PeCDF	430		8.7	0.89	0.03	13
2,3,4,7,8-PeCDF	230		8.7	0.91	0.3	69
1,2,3,4,7,8-HxCDF	880	B	8.7	1.3	0.1	88
1,2,3,6,7,8-HxCDF	580	B	8.7	1.0	0.1	58
2,3,4,6,7,8-HxCDF	160		8.7	1.2	0.1	16
1,2,3,7,8,9-HxCDF	81		8.7	1.4	0.1	8.1
1,2,3,4,6,7,8-HpCDF	2200	B	8.7	1.9	0.01	22
1,2,3,4,7,8,9-HpCDF	760	B	8.7	2.3	0.01	7.6
OCDF	6300	B	17	2.3	0.0003	1.9
<b>Total TEQ Concentration</b>						<b>400</b>

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	62	40 - 135
13C-1,2,3,7,8-PeCDD	55	40 - 135
13C-1,2,3,6,7,8-HxCDD	66	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	66	40 - 135
13C-OCDD	71	40 - 135
13C-2,3,7,8-TCDF	60	40 - 135
13C-1,2,3,7,8-PeCDF	61	40 - 135
13C-1,2,3,4,7,8-HxCDF	64	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	74	40 - 135

**QUALIFIERS**  
Results and reporting limits have been adjusted for dry weight.

**ENVIRON International Corp.**

**Sample ID: DS-E14C-2**

**Trace Level Organic Compounds**

**SW846 8290**

<b>Lot - Sample #....:</b>	G1I010458 - 001	<b>Work Order #....:</b>	ML6991AD	<b>Matrix....:</b>	SO
<b>Date Sampled....:</b>	08/31/11	<b>Date Received....:</b>	09/01/11	<b>Instrument ID....:</b>	3D5
<b>Prep Date....:</b>	09/02/11	<b>Analysis Date....:</b>	09/08/11	<b>% Moisture....:</b>	0.50
<b>Prep Batch # ....:</b>	1252154	<b>Dilution Factor....:</b>	1.73	<b>Units....:</b>	pg/g
<b>Initial Wgt/Vol :</b>	5.77 g	<b>Analyst ID....:</b>	Sonia Ouni		

**Notes:**

WHO TEFs for human risk assessment based on the conclusions of the World Health Organization meeting in Geneva, Switzerland, June 2005.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.  
CON Confirmation analysis.  
E Estimated result. Result concentration exceeds the calibration range.

# QC DATA ASSOCIATION SUMMARY

G1I010458

## Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 8290		1252154	1252074
	SO	ASTM D 2216-90		1245147	1245089

**Method Blank Report**  
**Trace Level Organic Compounds**  
**SW846 8290**

<b>Lot - Sample #....:</b>	G1I090000 - 154B	<b>Work Order #....:</b>	MMCJR1AA	<b>Matrix....:</b>	SOLID
<b>Date Sampled....:</b>	08/31/11	<b>Date Received....:</b>	09/01/11	<b>Dilution Factor:</b>	1
<b>Prep Date....:</b>	09/02/11	<b>Analysis Date....:</b>	09/08/11	<b>Percent Moisture:</b>	0.0
<b>Prep Batch # ....:</b>	1252154	<b>Instrument ID....:</b>	3D5		
<b>Initial Wgt/Vol :</b>	10 g	<b>Analyst ID....:</b>	Sonia Ouni		

<u>PARAMETER</u>	<u>RESULT</u>		<u>REPORTING LIMIT</u>	<u>ESTIMATED DETECTION LIMIT</u>	<u>UNITS</u>
2,3,7,8-TCDD	ND		1.0	0.089	pg/g
1,2,3,7,8-PeCDD	ND		5.0	0.16	pg/g
1,2,3,4,7,8-HxCDD	ND		5.0	0.12	pg/g
1,2,3,6,7,8-HxCDD	ND		5.0	0.091	pg/g
1,2,3,7,8,9-HxCDD	ND		5.0	0.10	pg/g
<b>1,2,3,4,6,7,8-HpCDD</b>	<b>0.18</b>	<b>J Q</b>	<b>5.0</b>	<b>0.15</b>	<b>pg/g</b>
<b>OCDD</b>	<b>1.4</b>	<b>J</b>	<b>10</b>	<b>0.21</b>	<b>pg/g</b>
2,3,7,8-TCDF	ND		1.0	0.079	pg/g
1,2,3,7,8-PeCDF	ND		5.0	0.12	pg/g
2,3,4,7,8-PeCDF	ND		5.0	0.13	pg/g
<b>1,2,3,4,7,8-HxCDF</b>	<b>0.56</b>	<b>J</b>	<b>5.0</b>	<b>0.11</b>	<b>pg/g</b>
<b>1,2,3,6,7,8-HxCDF</b>	<b>0.29</b>	<b>J</b>	<b>5.0</b>	<b>0.089</b>	<b>pg/g</b>
2,3,4,6,7,8-HxCDF	ND		5.0	0.10	pg/g
1,2,3,7,8,9-HxCDF	ND		5.0	0.12	pg/g
<b>1,2,3,4,6,7,8-HpCDF</b>	<b>0.79</b>	<b>J</b>	<b>5.0</b>	<b>0.083</b>	<b>pg/g</b>
<b>1,2,3,4,7,8,9-HpCDF</b>	<b>0.77</b>	<b>J</b>	<b>5.0</b>	<b>0.099</b>	<b>pg/g</b>
OCDF	1.8	J	10	0.25	pg/g

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	66	40 - 135
13C-1,2,3,7,8-PeCDD	62	40 - 135
13C-1,2,3,6,7,8-HxCDD	78	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	72	40 - 135
13C-OCDD	66	40 - 135
13C-2,3,7,8-TCDF	68	40 - 135
13C-1,2,3,7,8-PeCDF	68	40 - 135
13C-1,2,3,4,7,8-HxCDF	69	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	75	40 - 135

**QUALIFIERS**

Results and reporting limits have been adjusted for dry weight.

- J Estimated Result.
- Q Estimated maximum possible concentration (EMPC).

**LABORATORY CONTROL SAMPLE DATA REPORT**

**Trace Level Organic Compounds**

<b>Client Lot # ...:</b> G1I010458	<b>Work Order # ...:</b> MMCJR1AC-LCS	<b>Matrix .....:</b> SOLID
<b>LCS Lot-Sample# :</b> G1I090000 - 154		
<b>Prep Date .....:</b> 09/02/11	<b>Analysis Date ..:</b> 09/08/11	
<b>Prep Batch # ...:</b> 1252154		
<b>Dilution Factor :</b> 1		
<b>Analyst ID.....:</b> Sonia Ouni	<b>Instrument ID.:</b> 3D5	<b>Method.....:</b> SW846 8290
<b>Initial Wgt/Vol:</b> 10 g		

<b>PARAMETER</b>	<b>SPIKE AMOUNT</b>	<b>MEASURED AMOUNT</b>	<b>UNITS</b>	<b>PERCENT RECOVERY</b>	<b>RECOVERY LIMITS</b>
<b>2,3,7,8-TCDD</b>	<b>20.0</b>	<b>18.4</b>	<b>pg/g</b>	<b>92</b>	<b>(60 - 138)</b>
<b>1,2,3,7,8-PeCDD</b>	<b>100</b>	<b>100</b>	<b>pg/g</b>	<b>100</b>	<b>(70 - 122)</b>
<b>1,2,3,4,7,8-HxCDD</b>	<b>100</b>	<b>102</b>	<b>pg/g</b>	<b>102</b>	<b>(60 - 138)</b>
<b>1,2,3,6,7,8-HxCDD</b>	<b>100</b>	<b>100</b>	<b>pg/g</b>	<b>100</b>	<b>(68 - 136)</b>
<b>1,2,3,7,8,9-HxCDD</b>	<b>100</b>	<b>100</b>	<b>pg/g</b>	<b>100</b>	<b>(68 - 138)</b>
<b>1,2,3,4,6,7,8-HpCDD</b>	<b>100</b>	<b>100</b>	<b>pg/g</b>	<b>100</b>	<b>(71 - 128)</b>
<b>OCDD</b>	<b>200</b>	<b>217</b>	<b>pg/g</b>	<b>108</b>	<b>(70 - 128)</b>
<b>2,3,7,8-TCDF</b>	<b>20.0</b>	<b>18.9</b>	<b>pg/g</b>	<b>94</b>	<b>(56 - 158)</b>
<b>1,2,3,7,8-PeCDF</b>	<b>100</b>	<b>97.7</b>	<b>pg/g</b>	<b>98</b>	<b>(69 - 134)</b>
<b>2,3,4,7,8-PeCDF</b>	<b>100</b>	<b>98.8</b>	<b>pg/g</b>	<b>99</b>	<b>(70 - 131)</b>
<b>1,2,3,4,7,8-HxCDF</b>	<b>100</b>	<b>99.4</b>	<b>pg/g</b>	<b>99</b>	<b>(74 - 128)</b>
<b>1,2,3,6,7,8-HxCDF</b>	<b>100</b>	<b>94.4</b>	<b>pg/g</b>	<b>94</b>	<b>(67 - 140)</b>
<b>2,3,4,6,7,8-HxCDF</b>	<b>100</b>	<b>98.3</b>	<b>pg/g</b>	<b>98</b>	<b>(71 - 137)</b>
<b>1,2,3,7,8,9-HxCDF</b>	<b>100</b>	<b>102</b>	<b>pg/g</b>	<b>102</b>	<b>(72 - 134)</b>
<b>1,2,3,4,6,7,8-HpCDF</b>	<b>100</b>	<b>97.1</b>	<b>pg/g</b>	<b>97</b>	<b>(71 - 134)</b>
<b>1,2,3,4,7,8,9-HpCDF</b>	<b>100</b>	<b>93.7</b>	<b>pg/g</b>	<b>94</b>	<b>(68 - 129)</b>
<b>OCDF</b>	<b>200</b>	<b>207</b>	<b>pg/g</b>	<b>103</b>	<b>(63 - 141)</b>

<b>INTERNAL STANDARD</b>	<b>PERCENT RECOVERY</b>	<b>RECOVERY LIMITS</b>
<b>13C-2,3,7,8-TCDD</b>	<b>65</b>	<b>(40 - 135)</b>
<b>13C-1,2,3,7,8-PeCDD</b>	<b>61</b>	<b>(40 - 135)</b>
<b>13C-1,2,3,6,7,8-HxCDD</b>	<b>67</b>	<b>(40 - 135)</b>
<b>13C-1,2,3,4,6,7,8-HpCDD</b>	<b>70</b>	<b>(40 - 135)</b>
<b>13C-OCDD</b>	<b>72</b>	<b>(40 - 135)</b>
<b>13C-2,3,7,8-TCDF</b>	<b>63</b>	<b>(40 - 135)</b>
<b>13C-1,2,3,7,8-PeCDF</b>	<b>64</b>	<b>(40 - 135)</b>
<b>13C-1,2,3,4,7,8-HxCDF</b>	<b>66</b>	<b>(40 - 135)</b>
<b>13C-1,2,3,4,6,7,8-HpCDF</b>	<b>73</b>	<b>(40 - 135)</b>

**Notes:**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX/MATRIX SPIKE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...: G1I010458                      Work Order # ...: ML7AF1AK-MS                      Matrix .....: SOLID  
 OS Lot-Sample#: G1I010460 - 001                      ML7AF1AL-MSD  
 Prep Date .....: 09/02/11                      Analysis Date ..: 09/08/11  
 Prep Batch # ...: 1252154  
 Dilution Factor : 0.92  
 Analyst ID.....: Sonia Ouni                      Instrument ID...: 3D5                      Method.....: SW846 8290  
 Initial Wgt/Vol: 10.81 g

PARAMETER	SAMPLE AMOUNT	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	ND	19.7	19.9	pg/g	101	(60 - 138)		
	ND	20.6	20.1	pg/g	98	(60 - 138)	1.2	(0 - 30)
1,2,3,7,8-PeCDD	ND	98.4	102	pg/g	104	(70 - 122)		
	ND	103	103	pg/g	100	(70 - 122)	0.10	(0 - 29)
1,2,3,4,7,8-HxCDD	ND	98.4	103	pg/g	105	(60 - 138)		
	ND	103	116	pg/g	113	(60 - 138)	12	(0 - 36)
1,2,3,6,7,8-HxCDD	ND	98.4	107	pg/g	109	(68 - 136)		
	ND	103	107	pg/g	104	(68 - 136)	0.12	(0 - 36)
1,2,3,7,8,9-HxCDD	ND	98.4	106	pg/g	108	(68 - 138)		
	ND	103	108	pg/g	105	(68 - 138)	2.0	(0 - 31)
1,2,3,4,6,7,8-HpCDD	1.3	98.4	110	pg/g	111 B	(71 - 128)		
	1.3	103	113	pg/g	109 B	(71 - 128)	2.5	(0 - 28)
OCDD	12	197	276	pg/g	134 a B	(70 - 128)		
	12	206	285	pg/g	132 a B	(70 - 128)	3.1	(0 - 32)
2,3,7,8-TCDF	1.1	19.7	19.8	pg/g	95 CON	(56 - 158)		
	1.1	20.6	20.2	pg/g	93 CON	(56 - 158)	1.9	(0 - 30)
1,2,3,7,8-PeCDF	2.0	98.4	100	pg/g	100	(69 - 134)		
	2.0	103	101	pg/g	96	(69 - 134)	0.36	(0 - 27)
2,3,4,7,8-PeCDF	1.0	98.4	108	pg/g	108	(70 - 131)		
	1.0	103	110	pg/g	106	(70 - 131)	2.5	(0 - 31)
1,2,3,4,7,8-HxCDF	4.7	98.4	102	pg/g	99 B	(74 - 128)		
	4.7	103	106	pg/g	99 B	(74 - 128)	4.1	(0 - 32)
1,2,3,6,7,8-HxCDF	2.8	98.4	92.8	pg/g	91 B	(67 - 140)		
	2.8	103	99.1	pg/g	94 B	(67 - 140)	6.6	(0 - 38)
2,3,4,6,7,8-HxCDF	0.60	98.4	99.9	pg/g	101	(71 - 137)		
	0.60	103	101	pg/g	98	(71 - 137)	1.4	(0 - 35)
1,2,3,7,8,9-HxCDF	0.33	98.4	102	pg/g	104	(72 - 134)		
	0.33	103	108	pg/g	105	(72 - 134)	5.3	(0 - 36)
1,2,3,4,6,7,8-HpCDF	9.6	98.4	110	pg/g	102 B	(71 - 134)		
	9.6	103	114	pg/g	101 B	(71 - 134)	3.6	(0 - 33)
1,2,3,4,7,8,9-HpCDF	4.7	98.4	115	pg/g	113 B	(68 - 129)		
	4.7	103	113	pg/g	105 B	(68 - 129)	2.6	(0 - 35)
OCDF	26	197	252	pg/g	115 B	(63 - 141)		
	26	206	265	pg/g	117 B	(63 - 141)	5.3	(0 - 45)



**MATRIX/MATRIX SPIKE DATA REPORT**

**Trace Level Organic Compounds**

<b>Client Lot # ...:</b> G1I010458	<b>Work Order # ...:</b> ML7AF1AK-MS	<b>Matrix .....</b> : SOLID
<b>OS Lot-Sample# :</b> G1I010460 - 001	ML7AF1AL-MSD	
<b>Prep Date .....</b> : 09/02/11	<b>Analysis Date ..:</b> 09/08/11	
<b>Prep Batch # ...:</b> 1252154		
<b>Dilution Factor :</b> 0.92		
<b>Analyst ID.....:</b> Sonia Ouni	<b>Instrument ID.:</b> 3D5	<b>Method.....:</b> SW846 8290
<b>Initial Wgt/Vol:</b> 10.81 g		

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	53	(40 - 135)
	59	(40 - 135)
13C-1,2,3,7,8-PeCDD	54	(40 - 135)
	60	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	49	(40 - 135)
	59	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	50	(40 - 135)
	65	(40 - 135)
13C-OCDD	39 *	(40 - 135)
	61	(40 - 135)
13C-2,3,7,8-TCDF	56	(40 - 135)
	60	(40 - 135)
13C-1,2,3,7,8-PeCDF	55	(40 - 135)
	59	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	52	(40 - 135)
	62	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	50	(40 - 135)
	64	(40 - 135)

**Notes:**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

- \* Surrogate recovery is outside stated control limits.
  - a Spiked analyte recovery is outside stated control limits.
  - B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- CON Confirmation analysis.

# SOLID, D 2216-90, Moisture, Percent

ENVIRON International Corp.

Client Sample ID: DS-E14C-2

General Chemistry

Lot-Sample #....: G1I010458-001  
Date Sampled....: 08/31/11  
% Moisture.....: 0.50

Work Order #....: ML699  
Date Received...: 09/01/11

Matrix.....: SO

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	0.51		%	ASTM D 2216-90	09/02-09/03/11	1245147

Dilution Factor: 1

# QC DATA ASSOCIATION SUMMARY

G1I010458

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SO	SW846 8290		1252154	1252074
	SO	ASTM D 2216-90		1245147	1245089

**SAMPLE DUPLICATE EVALUATION REPORT**

**General Chemistry**

Client Lot #....: G1I010458

Work Order #....: ML49L-SMP  
ML49L-DUP

Matrix.....: SOLID

Date Sampled....: 08/29/11

Date Received...: 08/30/11

% Moisture.....: 12

<u>PARAM RESULT</u>	<u>DUPLICATE RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD LIMIT</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	10.0	%	17	(0-20)	SD Lot-Sample #: G1H300425-001 ASTM D 2216-90	09/02-09/03/11	1245147

Dilution Factor: 1

**SOLID, 8290,  
Dioxins/Furans,  
HRGC/HRMS**

**ICV/CCV Summaries/**  
**Run Logs**

Initial Calibration Checklist  
Dioxin Methods

ICAL ID ICA1027103D5(8290, 1613, Tetras)  
 Method ID 8290, 1613B Date Scanned \_\_\_\_\_  
 Column ID DB5 Instrument ID 3D5  
 STD ID's ST1027, A, B, C, D STD Solution 100XN342/335/461/327/337  
 GC Program 0C0025 Multiplier Setting 350V  
 Analyzed By MG/AM Date Analyzed 10/27/10  
 Prepared By JRB Date Prepared 11/3/10  
 Reviewed By M.G Date Reviewed 11/3/10

Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

CS3 RTs : 13C-1,2,3,4-TCDD = 27.64 ; 13C-1,2,3,7,8,9-HxCDD = 42.46

\*Method 8290/TO9/M0023A: %RSD ≤20% for natives, ≤30% for labeled compounds; S/N ≥10  
 Method 1613B: %RSD ≤ 20% natives, ≤30% labeled compounds; S/N ≥10  
 Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5



Dataset: C:\MassLynx\JAN2010.PRO\ICA1027103D58290.qld

Last Altered: Wednesday, November 03, 2010 10:34:08 Pacific Daylight Time

Printed: Wednesday, November 03, 2010 10:35:28 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 03 Nov 2010 10:33:18

Calibration: 03 Nov 2010 10:34:07

#	Name	RRF Mean	RRF SD	RRF %Rel SD
1	13C-1,2,3,4-TCDD	1.00000	0.00000	0.00000
2				
3	13C-2,3,7,8-TCDF	1.34741	0.14628	10.85628
4	2,3,7,8-TCDF	1.01573	0.03566	3.51093
5	Total TCDFs	1.01573	0.03566	3.51093
6				
7	13C-2,3,7,8-TCDD	0.85429	0.04949	5.79308
8	2,3,7,8-TCDD	1.10816	0.05426	4.89670
9	Total TCDDs	1.10816	0.05426	4.89670
10				
11	37CL-2,3,7,8-TCDD	0.56553	0.03113	5.50541
12				
13	13C-1,2,3,7,8-PeCDF	1.11756	0.09114	8.15532
14	1,2,3,7,8-PeCDF	1.03884	0.07201	6.93184
15	2,3,4,7,8-PeCDF	1.01576	0.07123	7.01205
16	Total F2 PeCDFs	1.02730	0.07148	6.95818
17	Total F1 PeCDFs	1.02730	0.07148	6.95818
18				
19	13C-1,2,3,7,8-PeCDD	0.72133	0.05266	7.30022
20	1,2,3,7,8-PeCDD	1.03063	0.07219	7.00407
21	Total PeCDDs	1.03063	0.07219	7.00408
22				
23	13C-1,2,3,7,8,9-HxCDD	1.00000	0.00000	0.00000
24				
25	13C-1,2,3,4,7,8-HxCDF	1.09334	0.04381	4.00711
26	1,2,3,4,7,8-HxCDF	1.21580	0.07331	6.03007
27	1,2,3,6,7,8-HxCDF	1.49813	0.06986	4.66328
28	2,3,4,6,7,8-HxCDF	1.32407	0.07740	5.84588
29	1,2,3,7,8,9-HxCDF	1.08252	0.05039	4.65493
30	Total HxCDFs	1.28013	0.06041	4.71917
31				
32	13C-1,2,3,6,7,8-HxCDD	0.97190	0.05159	5.30777
33	1,2,3,4,7,8-HxCDD	0.86863	0.06833	7.86675
34	1,2,3,6,7,8-HxCDD	1.15691	0.05115	4.42117
35	1,2,3,7,8,9-HxCDD	1.02520	0.07949	7.75387
36	Total HxCDDs	1.01691	0.06045	5.94398
37				
38	13C-1,2,3,4,6,7,8-HpCDF	0.96489	0.05470	5.66868
39	1,2,3,4,6,7,8-HpCDF	1.37318	0.09611	6.99876
40	1,2,3,4,7,8,9-HpCDF	1.14527	0.12550	10.95847
41	Total HpCDFs	1.25922	0.10975	8.71586
42				
43	13C-1,2,3,4,6,7,8-HpCDD	0.85758	0.03736	4.35681
44	1,2,3,4,6,7,8-HpCDD	1.04888	0.09265	8.83361
45	Total HpCDDs	1.04888	0.09265	8.83361
46				
47	13C-OCDD	0.63748	0.02575	4.03899

Dataset: C:\MassLynx\JAN2010.PRO\ICA1027103D58290.qld

Last Altered: Wednesday, November 03, 2010 10:34:08 Pacific Daylight Time

Printed: Wednesday, November 03, 2010 10:35:28 Pacific Daylight Time

#	Name	RRF Mean	RRF SD	RRF %Rel SD
48	OCDF	1.50681	0.13308	8.83207
49	OCDD	1.19407	0.08673	7.26331
50				
51				
52	Function 1 PFK			
53	Function 2 PFK	14411.70200	17254.92008	119.72854
54	Function 3 PFK			
55	Function 4 PFK	11038.13600	0.00000	0.00000
56	Function 5 PFK	13931.21600	0.00000	0.00000
57	TCDF PCDPE	33.29150	42.82930	128.64936
58	F1 PeCDF PCDPE	89.59840	95.81828	106.94195
59	F2 PeCDF PCDPE	76.93700	77.09982	100.21163
60	HXCDF PCDPE	31.07500	28.45581	85.13534
61	HPCDF PCDPE	106.08050	91.01242	85.79562
62	OCDF PCDPE	234.41900	373.49839	159.32940

Dataset: C:\MassLynx\JAN2010.PRO\ICA1027103D58290.qld

Last Altered: Wednesday, November 03, 2010 10:34:08 Pacific Daylight Time

Printed: Wednesday, November 03, 2010 10:34:53 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 03 Nov 2010 10:33:18

Calibration: 03 Nov 2010 10:34:07

Name: 27OC103D5\_3, Date: 27-Oct-2010, Time: 12:58:56, ID: ST1027, Description: CS1 10DXN342

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	27.65	1576164	1.00000	0.780	NO	
2								
3	13C-2,3,7,8-TCDF	315.9419	26.96	2325002	1.47510	0.776	NO	
4	2,3,7,8-TCDF	303.9016	26.99	11808	1.01573	0.766	NO	
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	27.89	1387854	0.88053	0.818	NO	
8	2,3,7,8-TCDD	319.8965	27.91	7549	1.08789	0.770	NO	
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	27.94	4802	0.60930			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	33.43	1867698	1.18496	1.615	NO	
14	1,2,3,7,8-PeCDF	339.8597	33.45	44619	0.95560	1.601	NO	
15	2,3,4,7,8-PeCDF	339.8597	35.14	43839	0.93888	1.500	NO	
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	36.05	1212306	0.76915	1.574	NO	
20	1,2,3,7,8-PeCDD	355.8546	36.09	28526	0.94121	1.524	NO	
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	42.46	1155193	1.00000	1.170	NO	
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	41.27	1275797	1.10440	0.528	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	41.27	35752	1.12094	1.196	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	41.40	47111	1.47708	1.236	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	41.98	39466	1.23738	1.279	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	42.63	33153	1.03946	1.298	NO	
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	42.18	1158602	1.00295	1.298	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	42.11	21914	0.75658	1.239	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	42.20	32192	1.11141	1.227	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	42.47	26219	0.90520	1.212	NO	
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	44.08	1188155	1.02853	0.436	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	44.09	36925	1.24311	0.974	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	45.31	29147	0.98124	1.067	NO	
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.96	1021537	0.88430	1.007	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	44.98	24579	0.96245	0.994	NO	
45	Total HpCDDs	423.7766						
46								

Dataset: C:\MassLynx\JAN2010.PROVICA1027103D58290.qld

Last Altered: Wednesday, November 03, 2010 10:34:08 Pacific Daylight Time

Printed: Wednesday, November 03, 2010 10:34:53 Pacific Daylight Time

Name: 27OC103D5\_3, Date: 27-Oct-2010, Time: 12:58:56, ID: ST1027, Description: CS1 10DXN342

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod.Date
47	13C-OCDD	469.7779	47.67	1472266	0.63724	0.947	NO	
48	OCDF	441.7428	47.81	48962	1.33026	0.957	NO	
49	OCDD	457.7377	47.69	39597	1.07582	0.816	NO	
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364	23.46	7	6.73000			
58	F1 PeCDF PCDPE	409.79...	24.49	26	25.787...			
59	F2 PeCDF PCDPE	409.7974	38.57	91	91.151...			
60	HXCDF PCDPE	445.7555						
61	HPCDF PCDPE	479.7165	45.59	170	170.43...			
62	OCDF PCDPE	513.67...						

Dataset: C:\MassLynx\JAN2010.PRO\ICA1027103D58290.qld

Last Altered: Wednesday, November 03, 2010 10:34:08 Pacific Daylight Time

Printed: Wednesday, November 03, 2010 10:34:53 Pacific Daylight Time

Name: 27OC103D5\_4, Date: 27-Oct-2010, Time: 13:55:26, ID: ST1027A, Description: CS2 10DXN335

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod.Date
1	13C-1,2,3,4-TCDD	331.9368	27.65	1608868	1.00000	0.786	NO	
2								
3	13C-2,3,7,8-TCDF	315.9419	26.97	2151224	1.33710	0.797	NO	
4	2,3,7,8-TCDF	303.9016	26.99	41063	0.95440	0.819	NO	
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	27.91	1350508	0.83942	0.762	NO	
8	2,3,7,8-TCDD	319.8965	27.92	27662	1.02414	0.844	NO	
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	27.92	16979	0.52767			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	33.43	1763022	1.09582	1.582	NO	
14	1,2,3,7,8-PeCDF	339.8597	33.45	170661	0.96800	1.573	NO	
15	2,3,4,7,8-PeCDF	339.8597	35.15	165365	0.93797	1.561	NO	
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	36.05	1137536	0.70704	1.627	NO	
20	1,2,3,7,8-PeCDD	355.8546	36.09	109632	0.96377	1.597	NO	
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	42.46	1082706	1.00000	1.282	NO	
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	41.27	1246734	1.15150	0.518	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	41.29	143908	1.15428	1.213	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	41.40	178235	1.42962	1.241	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	41.98	155075	1.24385	1.258	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	42.64	127346	1.02143	1.311	NO	
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	42.19	1084810	1.00194	1.266	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	42.12	93878	0.86539	1.270	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	42.20	120895	1.11444	1.298	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	42.47	106766	0.98419	1.257	NO	
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	44.09	1093229	1.00972	0.443	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	44.09	142483	1.30332	1.015	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	45.33	113616	1.03927	1.014	NO	
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.96	980531	0.90563	1.113	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	44.98	93065	0.94913	1.020	NO	
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	47.68	1381576	0.63802	0.923	NO	
48	OCDF	441.7428	47.81	194658	1.40896	0.946	NO	
49	OCDD	457.7377	47.69	157358	1.13897	0.808	NO	

Dataset: C:\MassLynx\JAN2010.PRO\CA1027103D58290.qld

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Name: 27OC103D5\_4, Date: 27-Oct-2010, Time: 13:55:26, ID: ST1027A, Description: CS2 10DXN335

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...	36.93	2211	2210.6...			
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...	45.71	11038	11038....			
56	Function 5 PFK	442.97...	49.48	13931	13931....			
57	TCDF PCDPE	375.8364	23.43	95	95.226...			
58	F1 PeCDF PCDPE	409.79...	24.48	254	254.22...			
59	F2 PeCDF PCDPE	409.7974	38.58	180	180.02...			
60	HXCDF PCDPE	445.7555	41.85	70	70.337...			
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...	47.82	18	17.703...			

Dataset: C:\MassLynx\JAN2010.PROVCA1027103D58290.qld

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Name: 27OC103D5\_5, Date: 27-Oct-2010, Time: 14:50:32, ID: ST1027B, Description: CS3 10DXN461

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	27.64	1375404	1.00000	0.765	NO	
2								
3	13C-2,3,7,8-TCDF	315.9419	26.96	2082151	1.51385	0.813	NO	
4	2,3,7,8-TCDF	303.9016	26.97	214442	1.02991	0.775	NO	
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	27.89	1275095	0.92707	0.780	NO	
8	2,3,7,8-TCDD	319.8965	27.91	148369	1.16359	0.797	NO	
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	27.91	79838	0.58047			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	33.42	1702398	1.23774	1.600	NO	
14	1,2,3,7,8-PeCDF	339.8597	33.44	948190	1.11395	1.586	NO	
15	2,3,4,7,8-PeCDF	339.8597	35.14	921196	1.08223	1.589	NO	
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	36.05	1078497	0.78413	1.548	NO	
20	1,2,3,7,8-PeCDD	355.8546	36.08	584398	1.08373	1.577	NO	
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	42.46	1133593	1.00000	1.291	NO	
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	41.26	1260062	1.11156	0.509	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	41.27	807464	1.28163	1.262	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	41.40	1015266	1.61145	1.251	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	41.96	873990	1.38722	1.226	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	42.63	690415	1.09584	1.213	NO	
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	42.18	1152266	1.01647	1.284	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	42.11	503771	0.87440	1.246	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	42.20	711335	1.23467	1.304	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	42.47	632644	1.09809	1.347	NO	
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	44.08	1092727	0.96395	0.431	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	44.09	796318	1.45749	1.072	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	45.31	664549	1.21631	1.043	NO	
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.96	954749	0.84223	1.059	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	44.98	557536	1.16792	1.116	NO	
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	47.67	1366369	0.60267	0.908	NO	
48	OCDF	441.7428	47.80	1130587	1.65488	0.904	NO	
49	OCDD	457.7377	47.68	885919	1.29675	0.903	NO	

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Name: 27OC103D5\_5, Date: 27-Oct-2010, Time: 14:50:32, ID: ST1027B, Description: CS3 10DXN461

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...	36.97	26613	26612...			
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364	23.40	29	28.567...			
58	F1 PeCDF PCDPE	409.79...	24.51	19	19.178...			
59	F2 PeCDF PCDPE	409.7974						
60	HXCDF PCDPE	445.7555	41.80	23	23.064...			
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...	47.80	20	19.858...			



Dataset: C:\MassLynx\JAN2010.PRO\ICA1027103D58290.qld

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Name: 27OC103D5\_6, Date: 27-Oct-2010, Time: 15:44:13, ID: ST1027C, Description: CS4 10DXN337

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	27.64	1868290	1.00000	0.782	NO	
2								
3	13C-2,3,7,8-TCDF	315.9419	26.96	2297924	1.22996	0.798	NO	
4	2,3,7,8-TCDF	303.9016	26.97	957569	1.04178	0.777	NO	
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	27.89	1526974	0.81731	0.775	NO	
8	2,3,7,8-TCDD	319.8965	27.91	688983	1.12802	0.799	NO	
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	27.91	409897	0.54849			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	33.39	1937778	1.03719	1.555	NO	
14	1,2,3,7,8-PeCDF	339.8597	33.43	4195240	1.08249	1.527	NO	
15	2,3,4,7,8-PeCDF	339.8597	35.13	4094914	1.05660	1.565	NO	
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	36.03	1252492	0.67040	1.637	NO	
20	1,2,3,7,8-PeCDD	355.8546	36.06	2738149	1.09308	1.600	NO	
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	42.44	1403823	1.00000	1.334	NO	
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	41.26	1469243	1.04660	0.522	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	41.27	3740728	1.27301	1.251	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	41.40	4441088	1.51135	1.271	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	41.96	3990391	1.35797	1.205	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	42.63	3280250	1.11631	1.281	NO	
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	42.17	1255717	0.89450	1.330	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	42.11	2335074	0.92978	1.257	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	42.18	2957699	1.17769	1.281	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	42.46	2683508	1.06852	1.267	NO	
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	44.08	1267916	0.90319	0.455	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	44.09	3694784	1.45703	0.983	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	45.31	3164220	1.24780	0.993	NO	
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.95	1138691	0.81114	1.089	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	44.96	2500933	1.09816	1.025	NO	
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	47.67	1780576	0.63419	0.878	NO	
48	OCDF	441.7428	47.80	5625768	1.57976	0.870	NO	
49	OCDD	457.7377	47.68	4391060	1.23304	0.948	NO	

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Name: 27OC103D5\_6, Date: 27-Oct-2010, Time: 15:44:13, ID: ST1027C, Description: CS4 10DXN337

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod.Date
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8364						
58	F1 PeCDF PCDPE	409.79...	24.51		66	66.313...		
59	F2 PeCDF PCDPE	409.7974	38.57		10	10.409...		
60	HXCDF PCDPE	445.7555	41.79		17	17.143...		
61	HPCDF PCDPE	479.7165	45.73		42	41.725...		
62	OCDF PCDPE	513.67...						

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Name: 27OC103D5\_7, Date: 27-Oct-2010, Time: 16:37:19, ID: ST1027D, Description: CS5 10DXN339

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	27.65	1934291	1.00000	0.782	NO	
2								
3	13C-2,3,7,8-TCDF	315.9419	26.96	2284454	1.18103	0.794	NO	
4	2,3,7,8-TCDF	303.9016	26.99	4737279	1.03685	0.776	NO	
5	Total TCDFs	303.9016						
6								
7	13C-2,3,7,8-TCDD	331.9368	27.91	1561243	0.80714	0.758	NO	
8	2,3,7,8-TCDD	319.8965	27.92	3550706	1.13714	0.793	NO	
9	Total TCDDs	319.8965						
10								
11	37CL-2,3,7,8-TCDD	327.8847	27.92	2173147	0.56174			
12								
13	13C-1,2,3,7,8-PeCDF	351.9000	33.43	1996338	1.03208	1.601	NO	
14	1,2,3,7,8-PeCDF	339.8597	33.46	21444365	1.07418	1.558	NO	
15	2,3,4,7,8-PeCDF	339.8597	35.17	21223594	1.06313	1.570	NO	
16	Total F2 PeCDFs	339.8597						
17	Total F1 PeCDFs	339.8597						
18								
19	13C-1,2,3,7,8-PeCDD	367.8949	36.06	1307418	0.67592	1.631	NO	
20	1,2,3,7,8-PeCDD	355.8546	36.10	14006981	1.07135	1.596	NO	
21	Total PeCDDs	355.8546						
22								
23	13C-1,2,3,7,8,9-HxCDD	401.8559	42.46	1436152	1.00000	1.391	NO	
24								
25	13C-1,2,3,4,7,8-HxCDF	383.8639	41.27	1511751	1.05264	0.525	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	41.29	18883740	1.24913	1.257	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	41.41	22088728	1.48114	1.255	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	41.98	21072390	1.39391	1.247	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	42.64	17227125	1.13955	1.238	NO	
30	Total HxCDFs	373.8208						
31								
32	13C-1,2,3,6,7,8-HxCDD	401.8559	42.18	1355175	0.94362	1.346	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	42.12	12426760	0.91699	1.233	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	42.20	15534968	1.14634	1.261	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	42.47	14500328	1.07000	1.261	NO	
36	Total HxCDDs	389.8157						
37								
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	44.09	1319934	0.91908	0.444	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	44.10	18544132	1.40493	1.038	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	45.33	16389884	1.24172	1.050	NO	
41	Total HpCDFs	407.7818						
42								
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	44.98	1212963	0.84459	1.063	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	44.98	12939091	1.06673	1.053	NO	
45	Total HpCDDs	423.7766						
46								
47	13C-OCDD	469.7779	47.68	1939614	0.67528	0.863	NO	
48	OCDF	441.7428	47.81	30262128	1.56021	0.894	NO	
49	OCDD	457.7377	47.69	23775815	1.22579	0.895	NO	

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Name: 27OC103D5\_7, Date: 27-Oct-2010, Time: 16:37:19, ID: ST1027D, Description: CS5 10DXN339

#	Name	Trace	RT	Response	RRF	Ratio	Ratio Flag	Mod Date
50								
51								
52	Function 1 PFK	330.97...						
53	Function 2 PFK	342.97...						
54	Function 3 PFK	380.97...						
55	Function 4 PFK	430.97...						
56	Function 5 PFK	442.97...						
57	TCDF PCDPE	375.8384	23.39		3	2.64300		
58	F1 PeCDF PCDPE	409.79...	24.39		82	82.492...		
59	F2 PeCDF PCDPE	409.7974	38.49		26	26.163...		
60	HXCDF PCDPE	445.7555	41.79		14	13.756...		
61	HPCDF PCDPE	479.7165						
62	OCDF PCDPE	513.67...	47.82		666	665.69...		

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\27OC103D5.SPL  
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File Name	File Text	Sample ID	Meth/Matrix	BOX #	Sample Size
1	27OC103D5_1	DB-5 CPSM 3732-09	CP1027	---	1.000000
2	27OC103D5_2	Solvent Blank C-14	SB1027	---	1.000000
3	27OC103D5_3	CS1 10DXN342	ST1027	---	1.000000
4	27OC103D5_4	CS2 10DXN335	ST1027A	---	1.000000
5	27OC103D5_5	CS3 10DXN461	ST1027B	---	1.000000
6	27OC103D5_6	CS4 10DXN337	ST1027C	---	1.000000
7	27OC103D5_7	CS5 10DXN339	ST1027D	---	1.000000
8	27OC103D5_8	Solvent Blank C-14	SB1027A	---	1.000000
9	27OC103D5_9	2nd Source 10DXN340	ST1027E	---	1.000000
10	27OC103D5_10	DB-5 CPSM 3732-09	CP1027A	---	1.000000
11	27OC103D5_11	CS3 10DXN461	ST1027F	---	1.000000
12	27OC103D5_12	Solvent Blank C-14	SB1027B	---	1.000000
13	27OC103D5_13	G0J010588-1MB 0285273 MG, AM	L8A9J-1-AAB	1613B/Solid 90	10.000000
14	27OC103D5_14	G0J010588-1LCS 0285273 MG, AM	L8A9J-1-ACC	1613B/Solid ---	10.000000
15	27OC103D5_15	G0J010581-9 RI 0288320 B8HC3 MG, AM	L7V4J-1-AC	1613B/Solid 87	20.130000
16	27OC103D5_16	G0J010588-1 0285273 B8HF0 MG, AM	L7V69-1-AC	1613B/Solid 90	15.690000
17	27OC103D5_17	G0J010588-2 0285273 B8HF2 MG, AM	L7V7E-1-AC	1613B/Solid ---	20.370000
18	27OC103D5_18	G0J010588-3 0285273 B8HF3 MG, AM	L7V7G-1-AC	1613B/Solid ---	20.610000
19	27OC103D5_19	Solvent Blank C-14	SB1027C	---	1.000000
20	27OC103D5_20	CS3 10DXN461	ST1027G	---	1.000000
21	27OC103D5_21	DB-5 CPSM 3732-09	CP1027B	---	1.000000
22	27OC103D5_22	CS3 10DXN461	ST1027H	---	1.000000
23	27OC103D5_23	Solvent Blank C-14	SB1027D	---	1.000000
24	27OC103D5_24	G0J010588-4 0285273 B8HF4 MG, AM	L7V7J-1-AC	1613B/Solid 90	20.300000
25	27OC103D5_25	G0J010588-5 0285273 B8HG1 MG, AM	L7V7N-1-AC	1613B/Solid ---	19.700000
26	27OC103D5_26	G0J010588-6 0285273 B8HG3 MG, AM	L7V7P-1-AC	1613B/Solid ---	20.160000
27	27OC103D5_27	G0J010588-7 0285273 B8HG8 MG, AM	L7V7Q-1-AC	1613B/Solid ---	20.190000
28	27OC103D5_28	G0J010588-8 0285273 B8H54 MG, AM	L7V7R-1-AC	1613B/Solid ---	12.920000
29	27OC103D5_29	G0J010588-9 0285273 B8H55 MG, AM	L7V7T-1-AC	1613B/Solid ---	12.570000
30	27OC103D5_30	Solvent Blank C-14	SB1027E	---	1.000000
31	27OC103D5_31	CS3 10DXN461	ST1027I	---	1.000000
32	27OC103D5_32	DB-5 CPSM 3732-09	CP1027C	---	1.000000
33	27OC103D5_33	CS3 10DXN461	ST1027J	---	1.000000
34	27OC103D5_34	Solvent Blank C-14	SB1027F	---	1.000000
35	27OC103D5_35	G0J010588-11 0285273 B8H57 MG, AM	L7V7W-1-AC	1613B/Solid 90	12.800000
36	27OC103D5_36	G0J010588-12 0285273 B8H58 MG, AM	L7V7X-1-AC	1613B/Solid ---	13.140000
37	27OC103D5_37	G0J010588-13 0285273 B8H59 MG, AM	L7V70-1-AC	1613B/Solid ---	18.620000
38	27OC103D5_38	G0J010588-14 0285273 B8H60 MG, AM	L7V71-1-AC	1613B/Solid ---	20.330000
39	27OC103D5_39	G0J010588-15 0285273 B8H61 MG, AM	L7V72-1-AC	1613B/Solid ---	18.680000
40	27OC103D5_40	G0J010588-16 0285273 B8H66 MG, AM	L7V73-1-AC	1613B/Solid ---	20.110000
41	27OC103D5_41	G0J010588-17 0285273 B8H69 MG, AM	L7V74-1-AC	1613B/Solid ---	20.670000
42	27OC103D5_42	Solvent Blank C-14	SB1027G	---	1.000000
43	27OC103D5_43	CS3 10DXN461	ST1027K	---	1.000000
44	27OC103D5_44	DB-5 CPSM 3732-09	CP1027D	---	1.000000
45	27OC103D5_45	CS3 10DXN461	ST1027L	---	1.000000
46	27OC103D5_46	Solvent Blank C-14	SB1027H	---	1.000000
47	27OC103D5_47	G0J010588-18 0285273 B8H75 MG, AM	L7V75-1-AC	1613B/Solid 90	20.790000
48	27OC103D5_48	G0J010588-19 0285273 B8H76 MG, AM	L7V76-1-AC	1613B/Solid ---	20.610000
49	27OC103D5_49	G0J010588-20 0285273 B8H89 MG, AM	L7V77-1-AC	1613B/Solid ---	11.140000
50	27OC103D5_50	G0J010588-10 0285273 B8H56 MG, AM	L7V7V-1-AC	1613B/Solid ---	12.920000
51	27OC103D5_51	Solvent Blank C-14	SB1027I	---	1.000000
52	27OC103D5_52	CS3 10DXN461	ST1027M	---	1.000000
53	27OC103D5_53	DB-5 CPSM 3732-09	CP1027E	---	1.000000

reviewed  
 by  
 MS 10/28/10

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\27OC103D5.SPL

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Last Modified: Thursday, October 28, 2010 10:12:40 Pacific Daylight Time

Printed: Thursday, October 28, 2010 10:12:48 Pacific Daylight Time

Page Position (2, 1)

Units	Bottle	FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Ini File	ConA	ConB	ConC	ConD	ConE
--	Tray01:1	--	2.000000	Analyte	MG	OCDD25	OCDD25	--	--	--	--	--
--	Tray01:3	--	2.000000	Analyte	MG	OCDD25	OCDD25	--	--	--	--	--
--	Tray01:4	--	2.000000	Standard	MG	OCDD25	OCDD25	0.5	2.5	5	100	200
--	Tray01:5	--	2.000000	Standard	MG	OCDD25	OCDD25	2	10	20	100	200
--	Tray01:2	--	2.000000	Standard	MG	OCDD25	OCDD25	10	50	100	100	200
--	Tray01:6	--	2.000000	Standard	MG	OCDD25	OCDD25	40	200	400	100	200
--	Tray01:7	--	2.000000	Standard	MG	OCDD25	OCDD25	200	1000	2000	100	200
--	Tray01:3	--	2.000000	Analyte	MG	OCDD25	OCDD25	--	--	--	--	--
--	Tray01:8	--	2.000000	Analyte	MG	OCDD25	OCDD25	--	--	--	2000	4000
--	Tray01:1	--	2.000000	Analyte	MG	OCDD25	OCDD25	--	--	--	--	--
--	Tray01:2	--	2.000000	Analyte	MG	OCDD25	OCDD25	10	50	100	100	200
--	Tray01:3	--	2.000000	Analyte	MG	OCDD25	OCDD25	--	--	--	--	--
g	Tray01:13	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
g	Tray01:14	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
g	Tray01:15	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
g	Tray01:16	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
g	Tray01:17	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
g	Tray01:18	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
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g	Tray01:25	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
g	Tray01:26	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
g	Tray01:27	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
g	Tray01:28	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
g	Tray01:29	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
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g	Tray01:37	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
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g	Tray01:41	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
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--	Tray01:3	--	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	--	--
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g	Tray01:49	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
g	Tray01:50	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
g	Tray01:30	20	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	2000	4000
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--	Tray01:1	--	2.000000	Analyte	MG, AM	OCDD25	OCDD25	--	--	--	--	--

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2010.PRO\SampleDB\270C103D5.SPL  
 Last Modified: Thursday, October 28, 2010 10:12:40 Pacific Daylight Time  
 Printed: Thursday, October 28, 2010 10:12:48 Pacific Daylight Time

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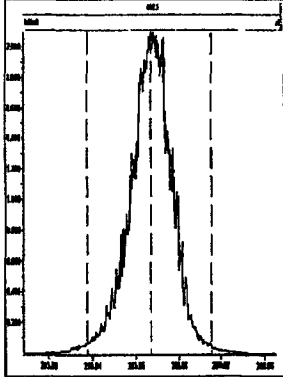
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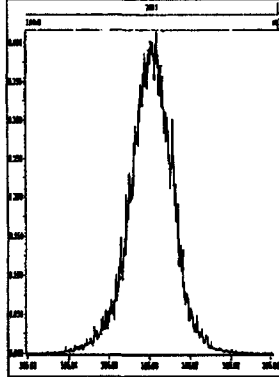
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Printed: Wednesday, October 27, 2010 11:08:23 Pacific Daylight Time

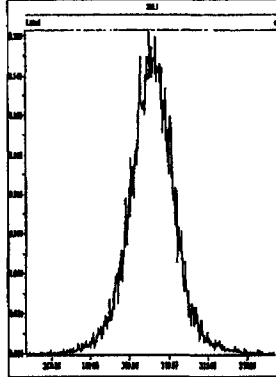
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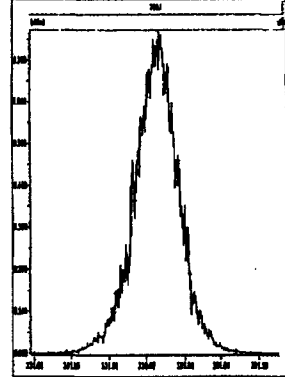
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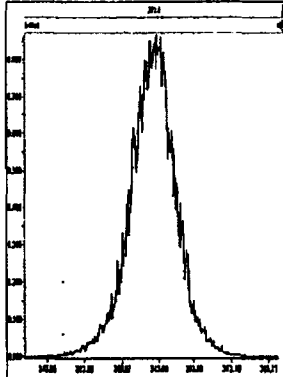
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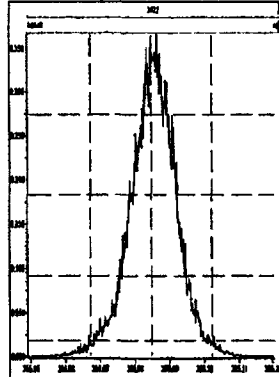
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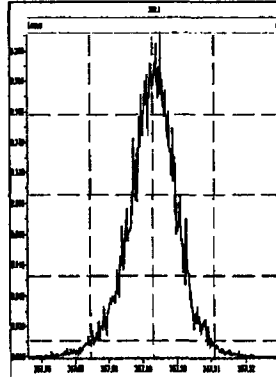
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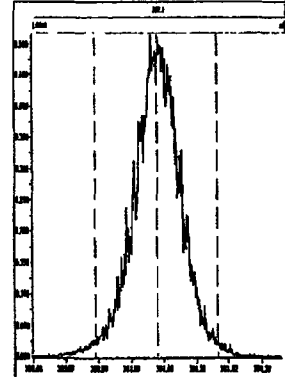
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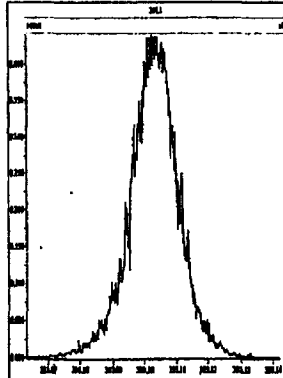
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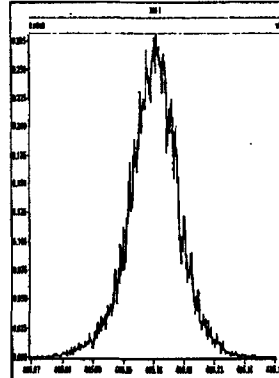
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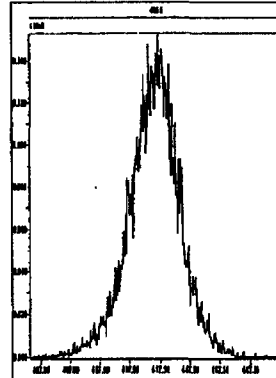
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M 404.9760 R 10373



M 416.9760 R 10963

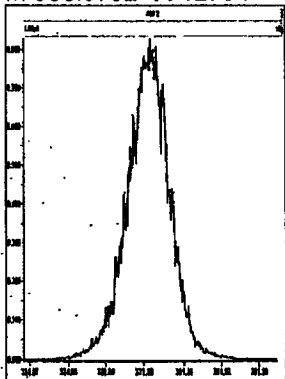




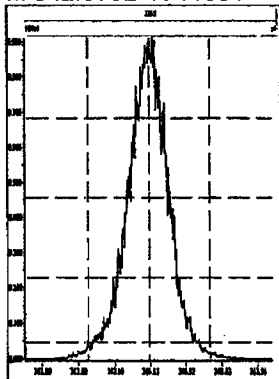
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Printed: Wednesday, October 27, 2010 11:09:07 Pacific Daylight Time

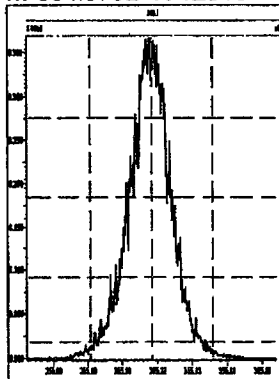
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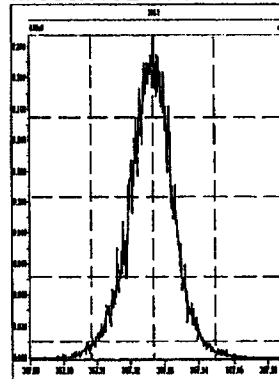
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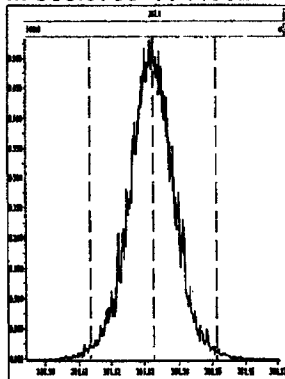
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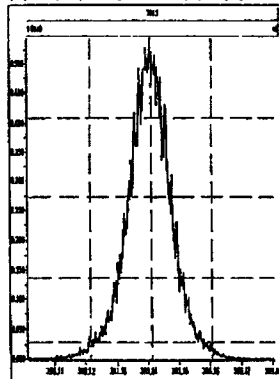
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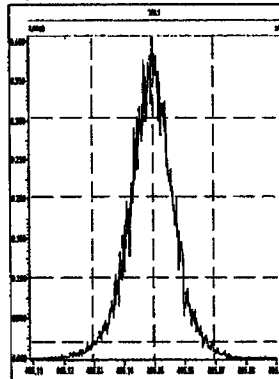
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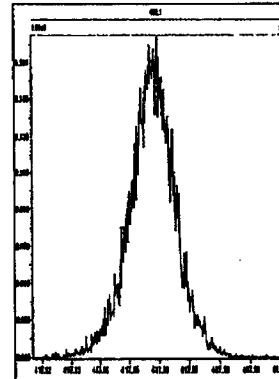
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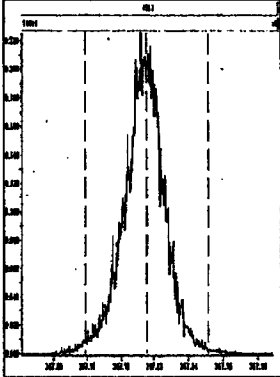
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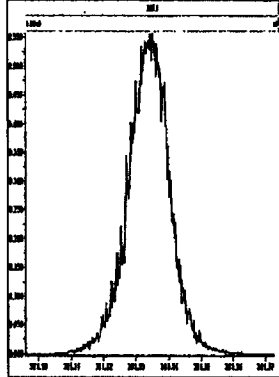
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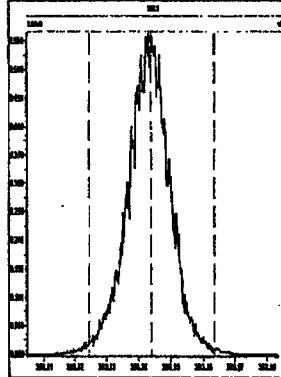
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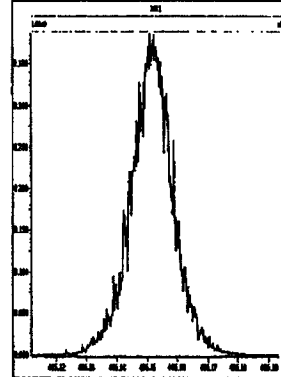
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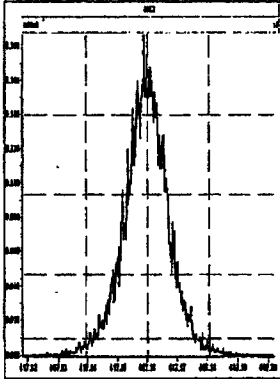
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M 404.9760 R 11678



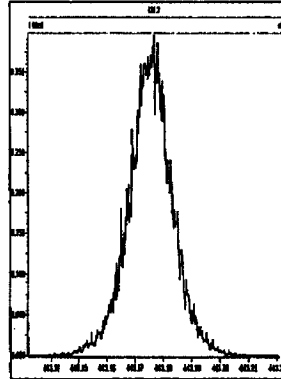
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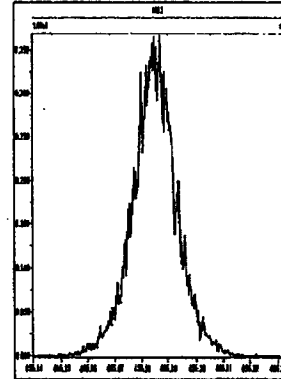
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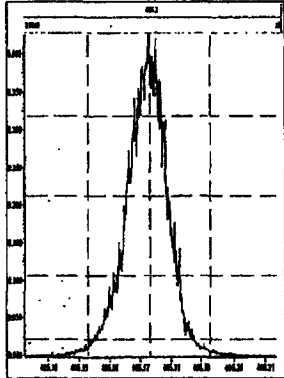
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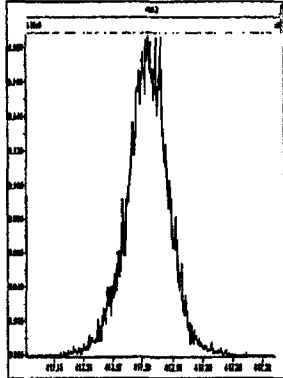
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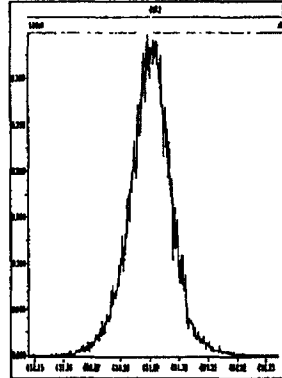
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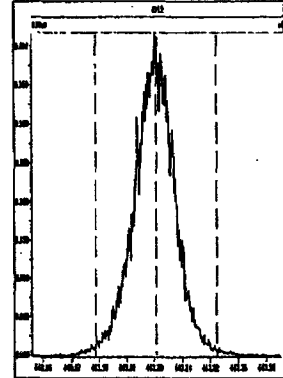
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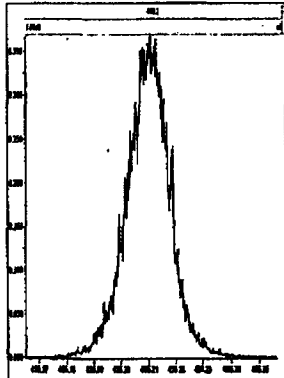
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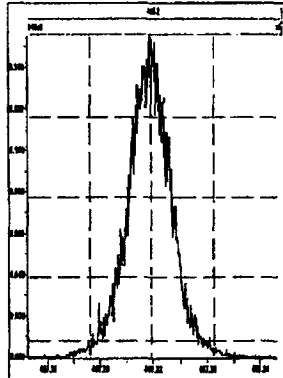
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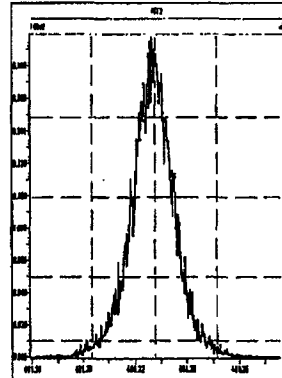
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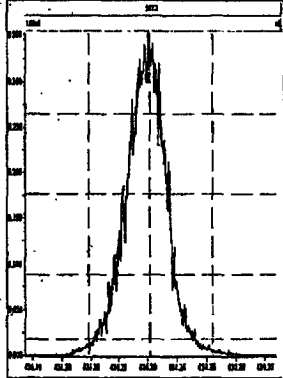
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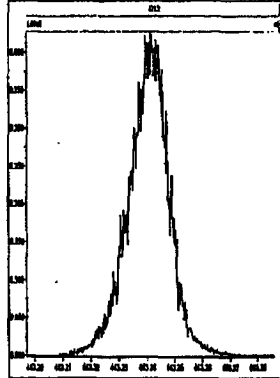
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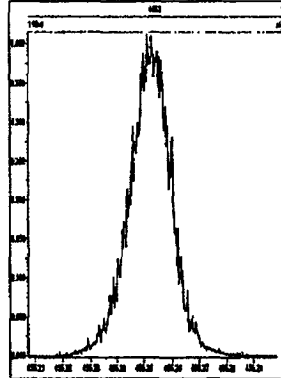
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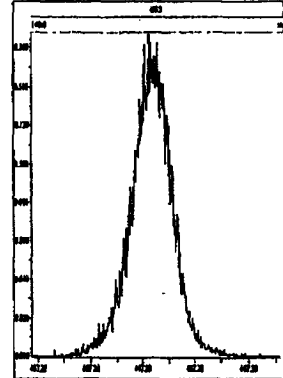
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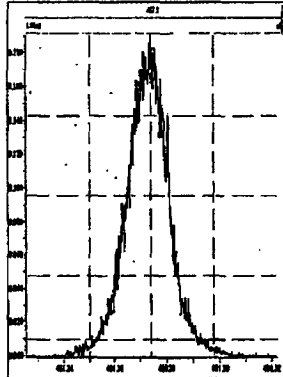
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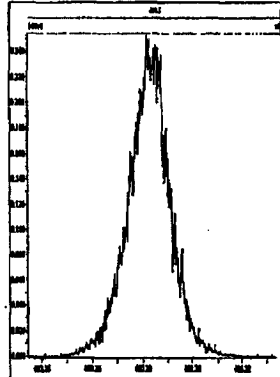
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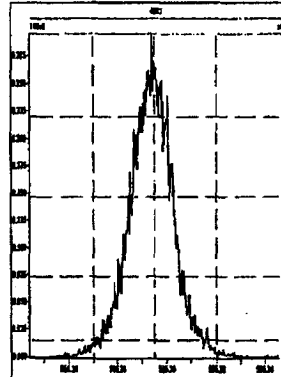
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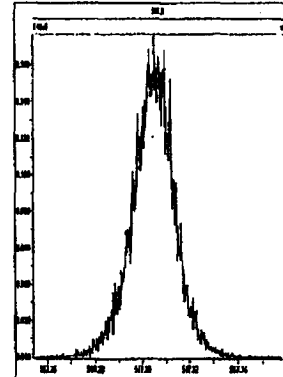
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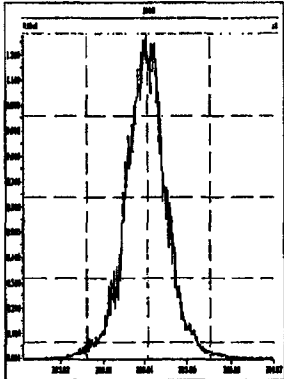


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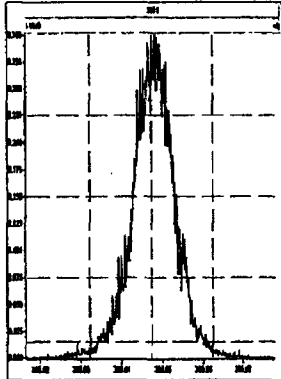


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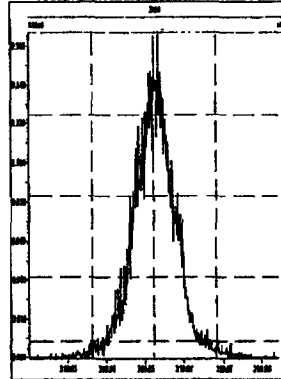
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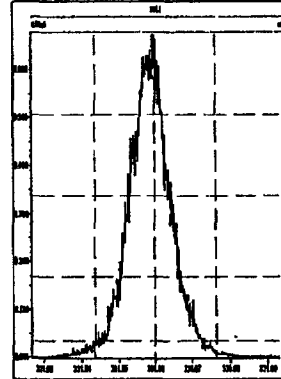
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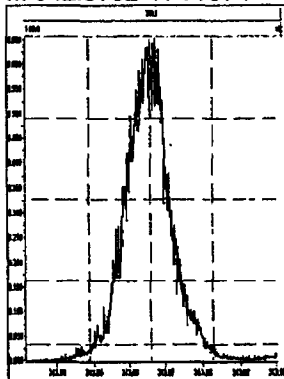
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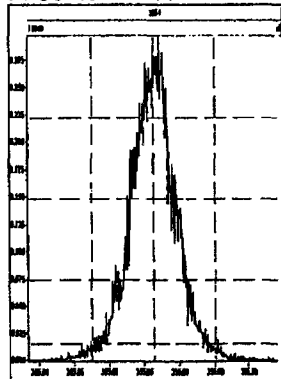
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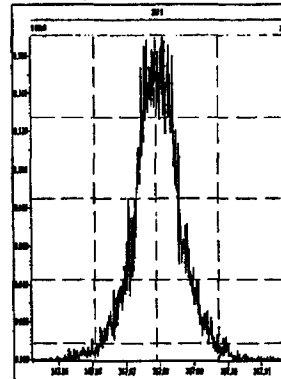
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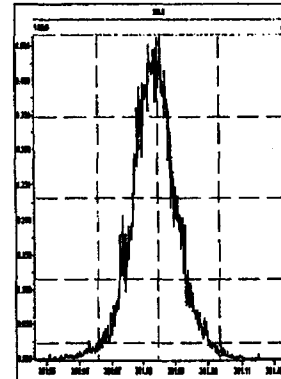
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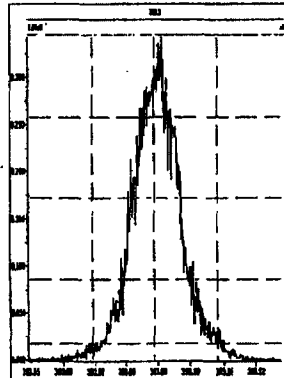
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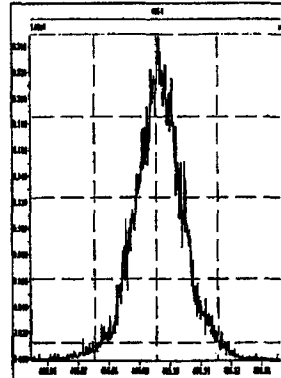
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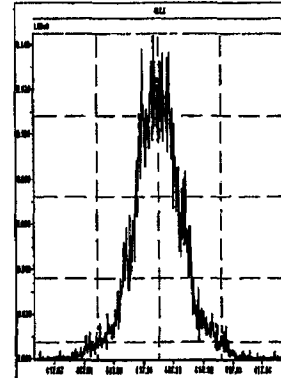
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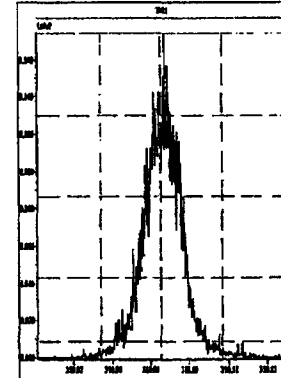
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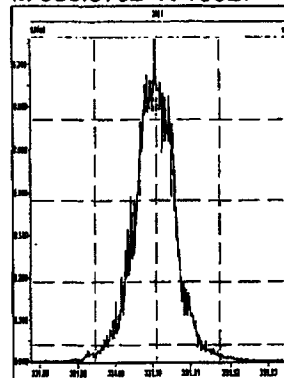
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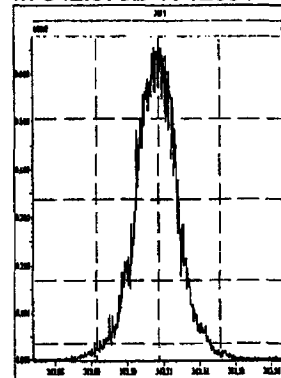
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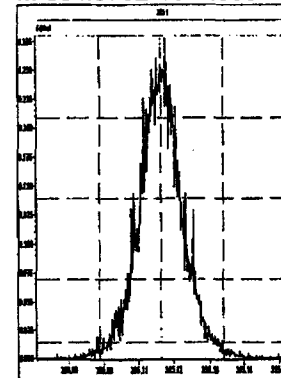
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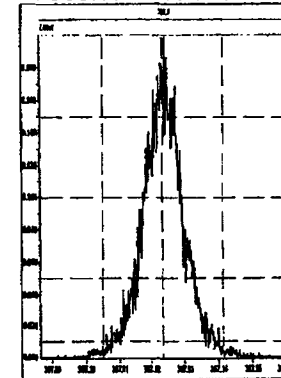
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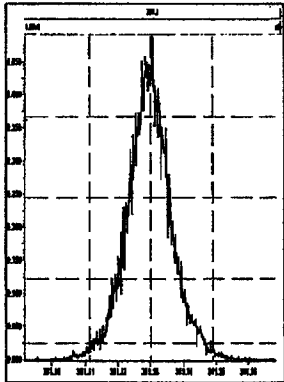


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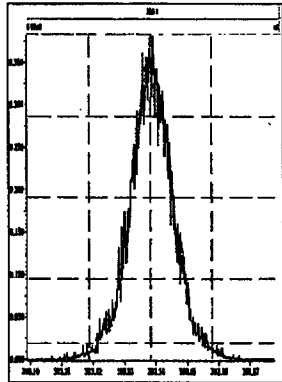


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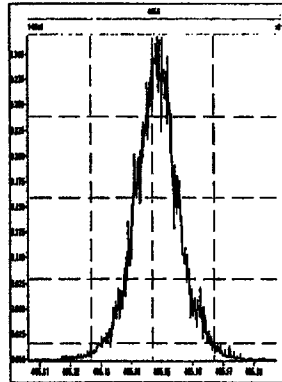
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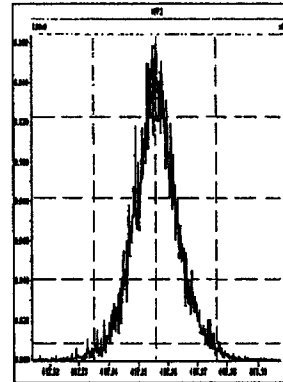
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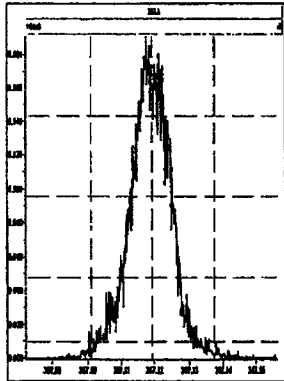
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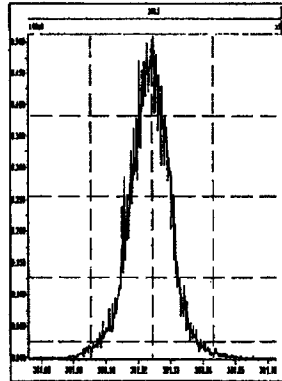
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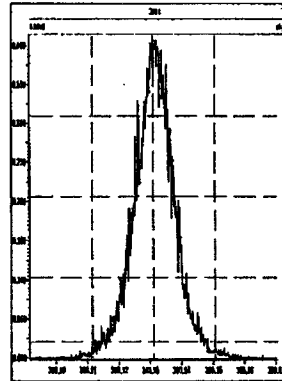
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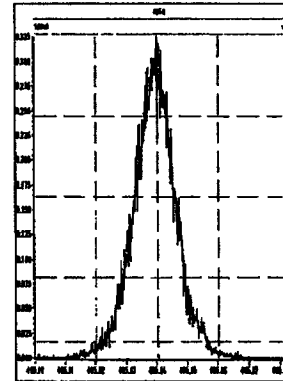
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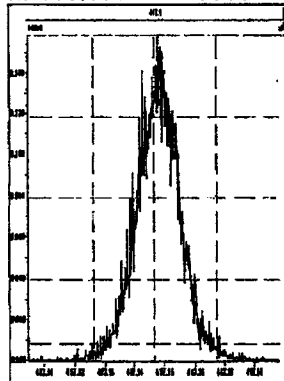
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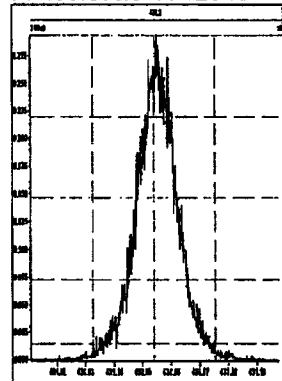
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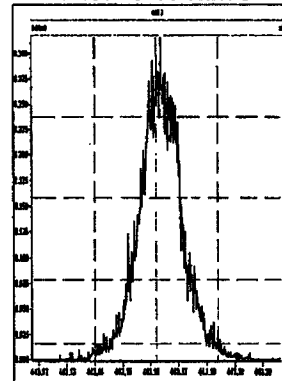
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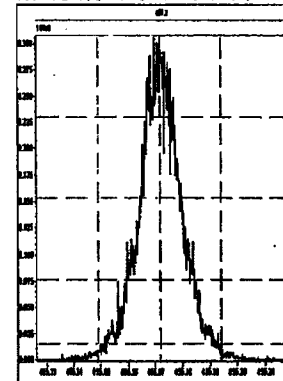
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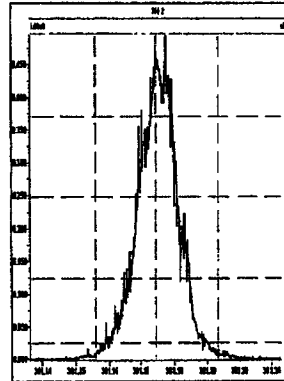
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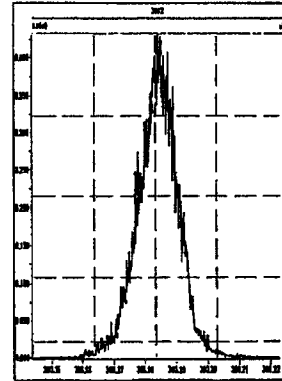
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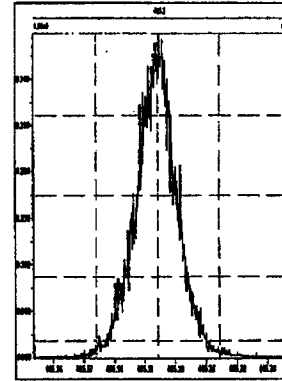
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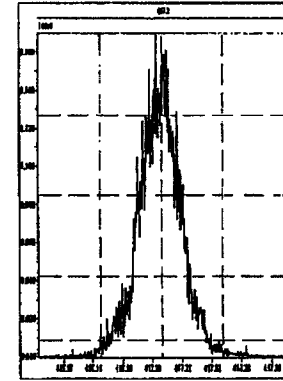
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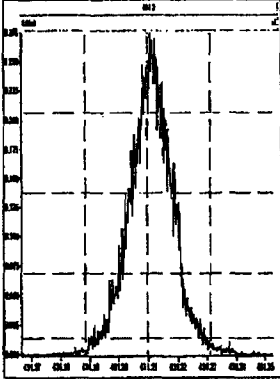


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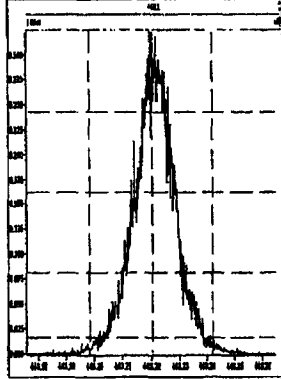


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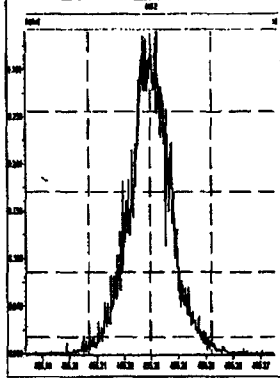
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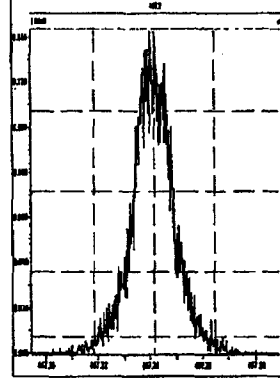
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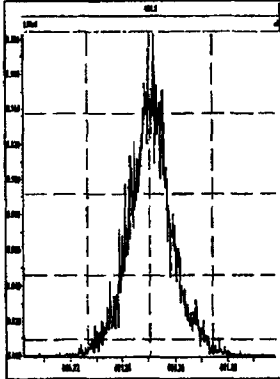
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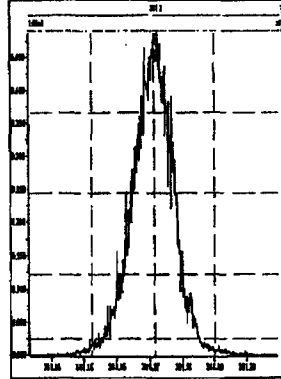
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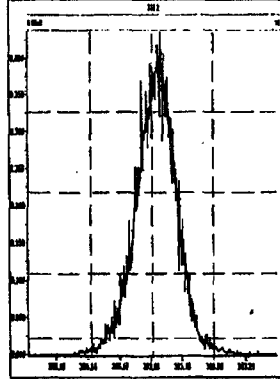
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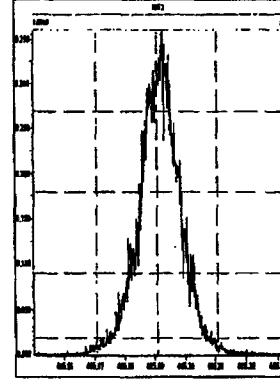
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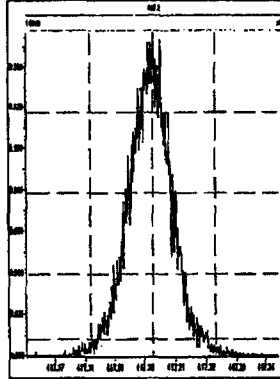
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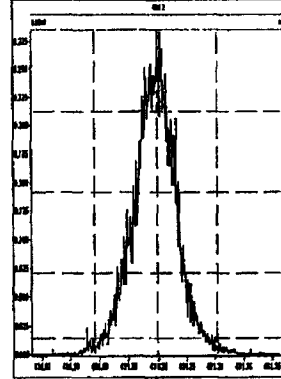
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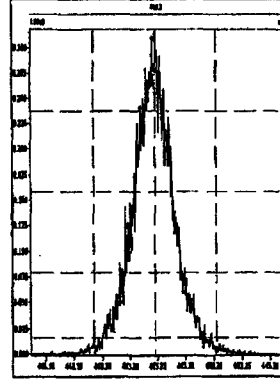
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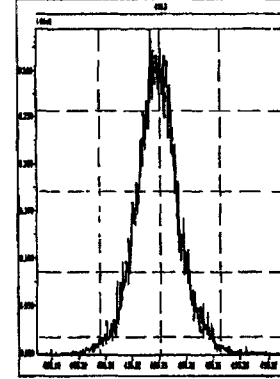
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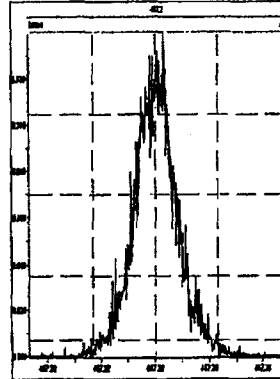
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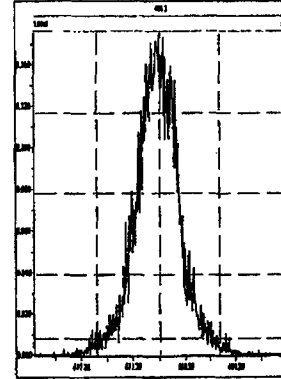
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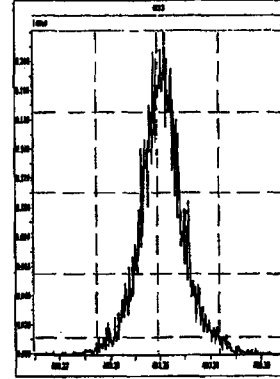
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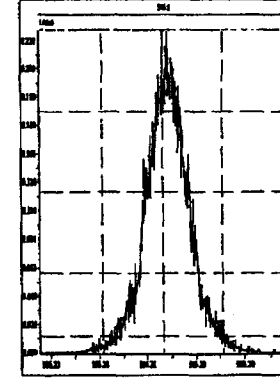
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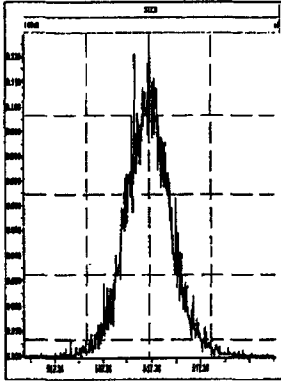
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M 504.9696 R 12570



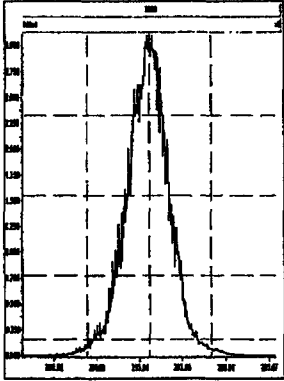
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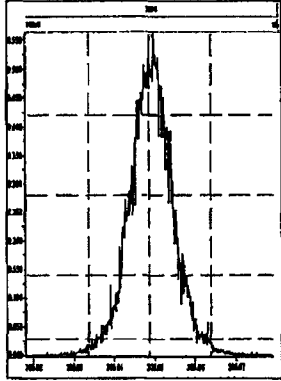


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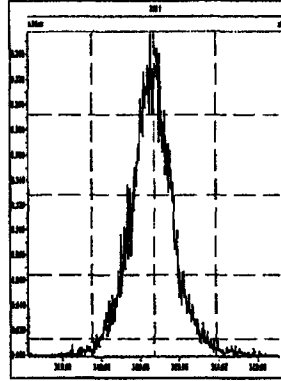
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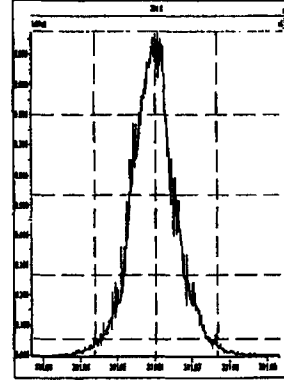
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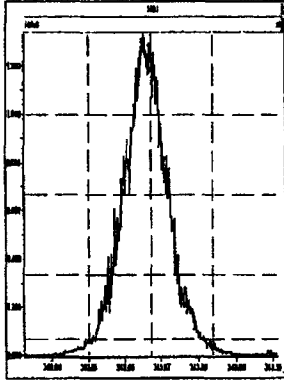
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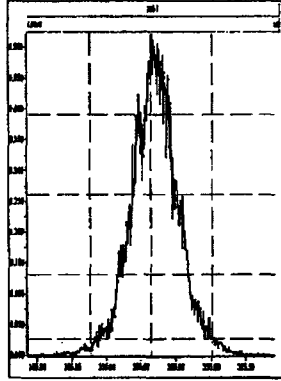
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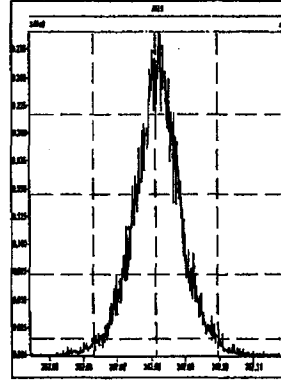
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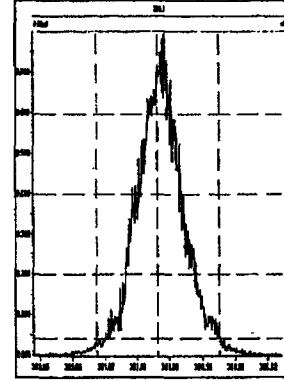
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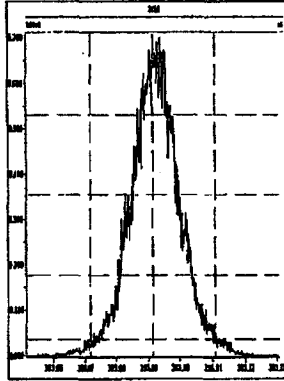
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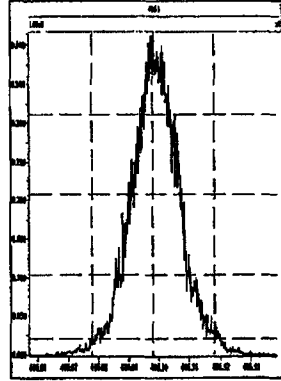
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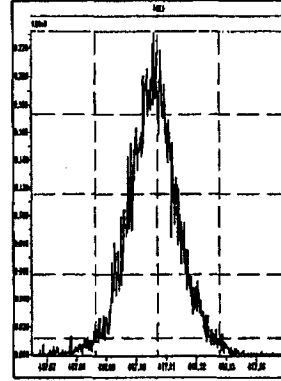
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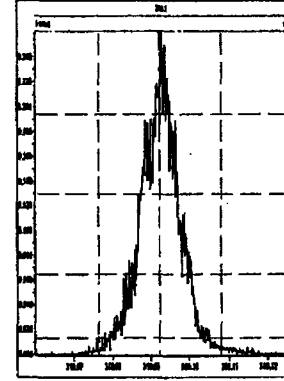
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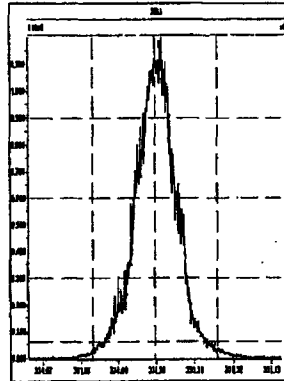
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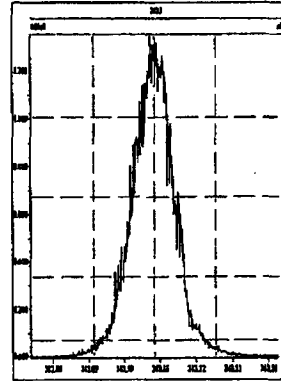
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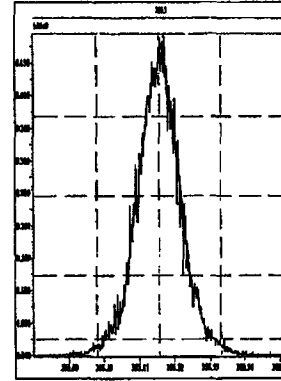
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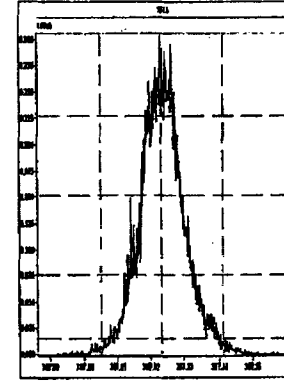
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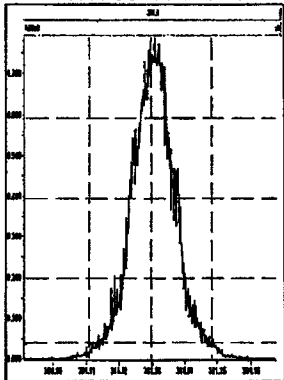


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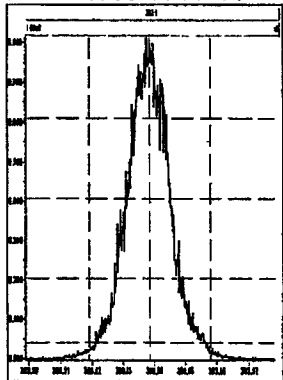


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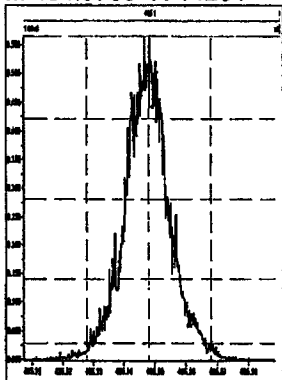
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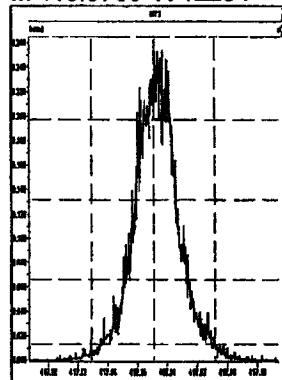
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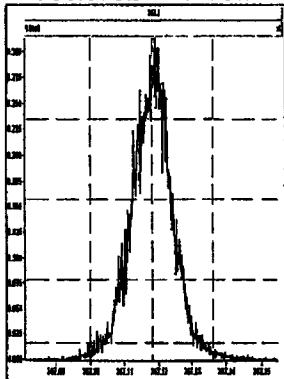
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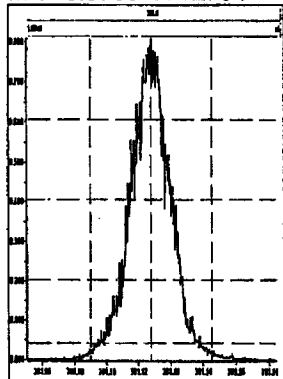
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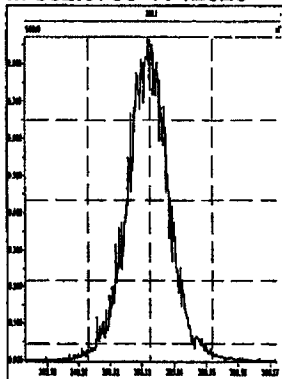
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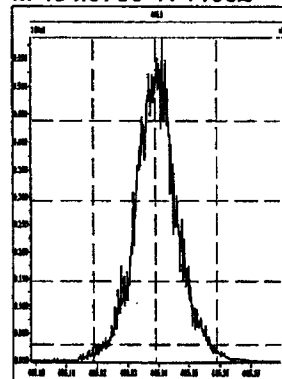
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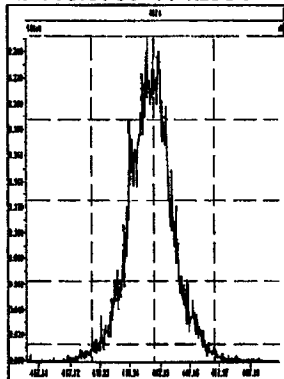
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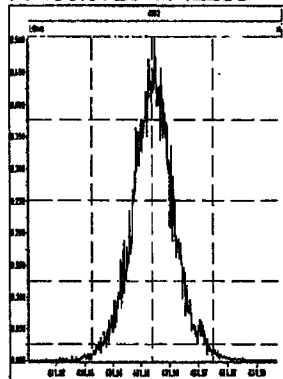
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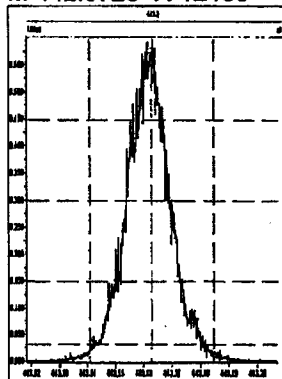
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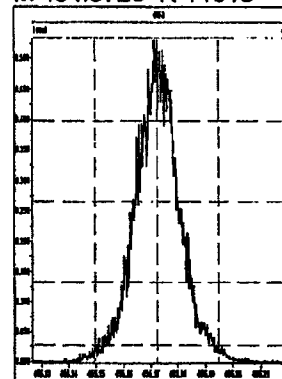
M 430.9728 R 12285



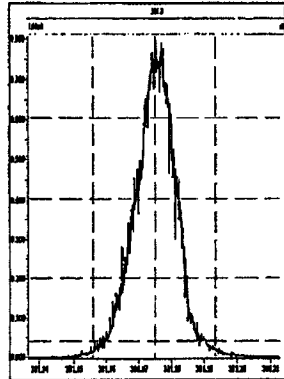
M 442.9728 R 12109



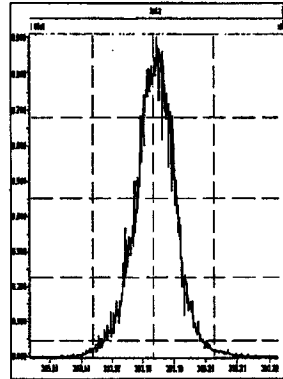
M 454.9728 R 11818



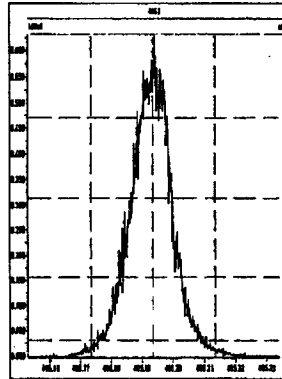
M 380.9760 R 12825



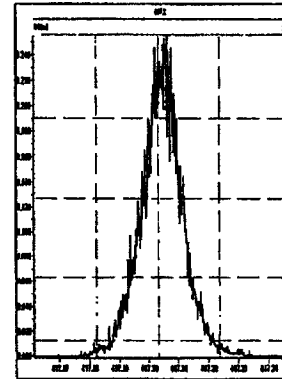
M 392.9760 R 12196



M 404.9760 R 12021

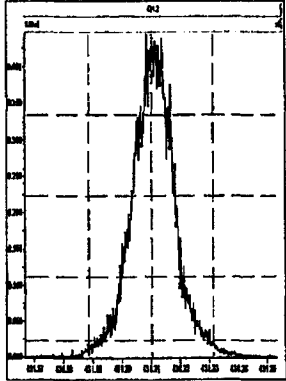


M 416.9760 R 12502

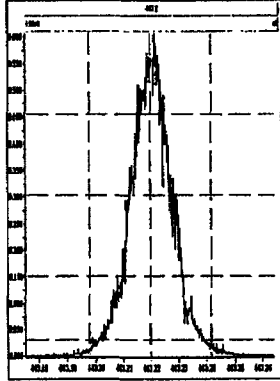


Printed: Wednesday, October 27, 2010 21:03:36 Pacific Daylight Time

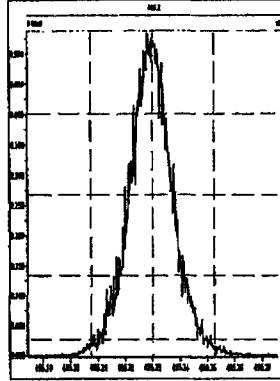
M 430.9728 R 11932



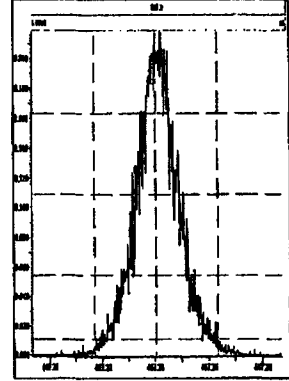
M 442.9728 R 12029



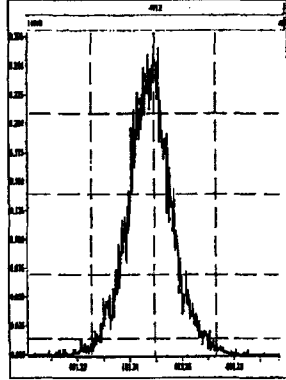
M 454.9728 R 12315



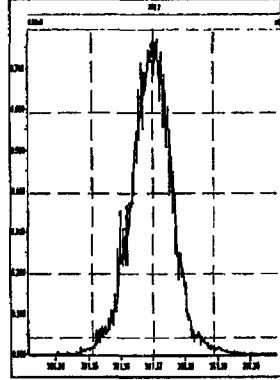
M 466.9728 R 12698



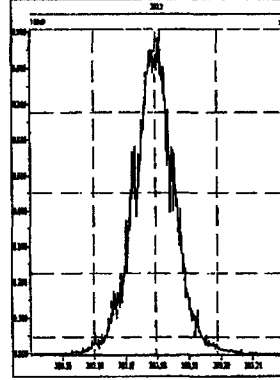
M 480.9696 R 12269



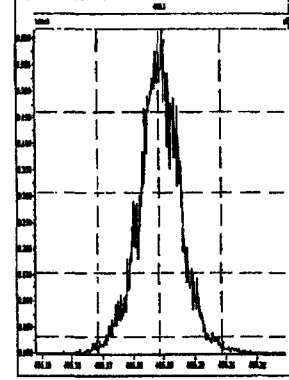
M 380.9760 R 12823



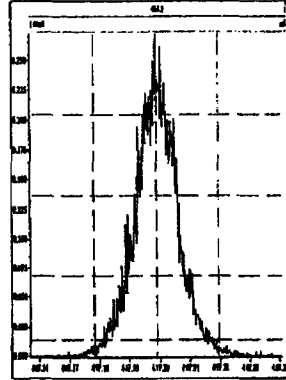
M 392.9760 R 12626



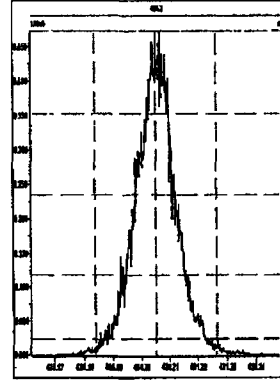
M 404.9760 R 13393



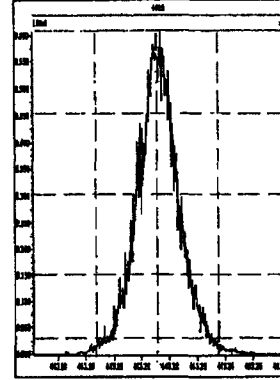
M 416.9760 R 12755



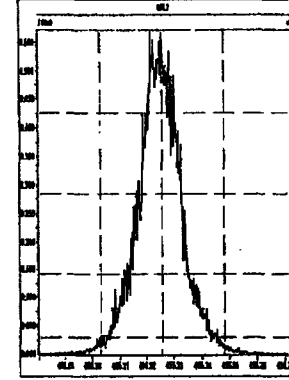
M 430.9728 R 12406



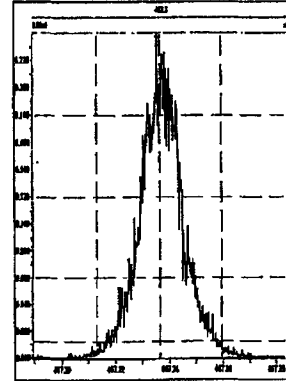
M 442.9728 R 12029



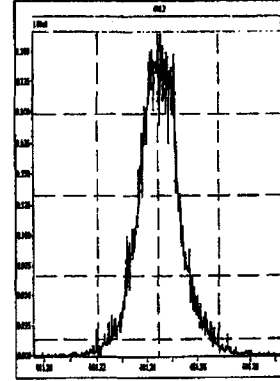
M 454.9728 R 11852



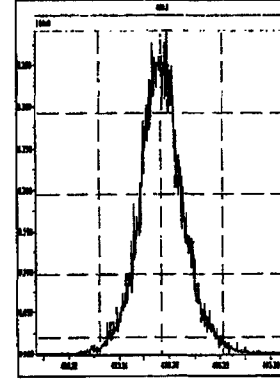
M 466.9728 R 12107



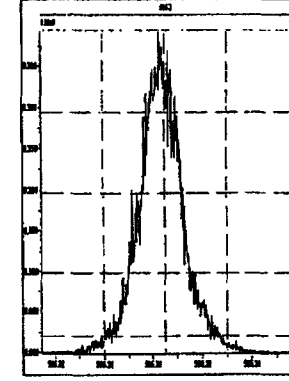
M 480.9696 R 12049



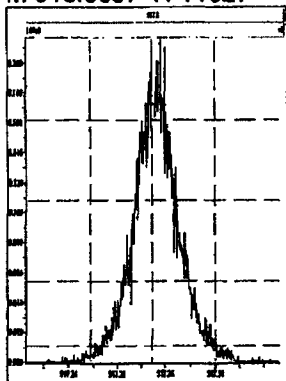
M 492.9696 R 11940

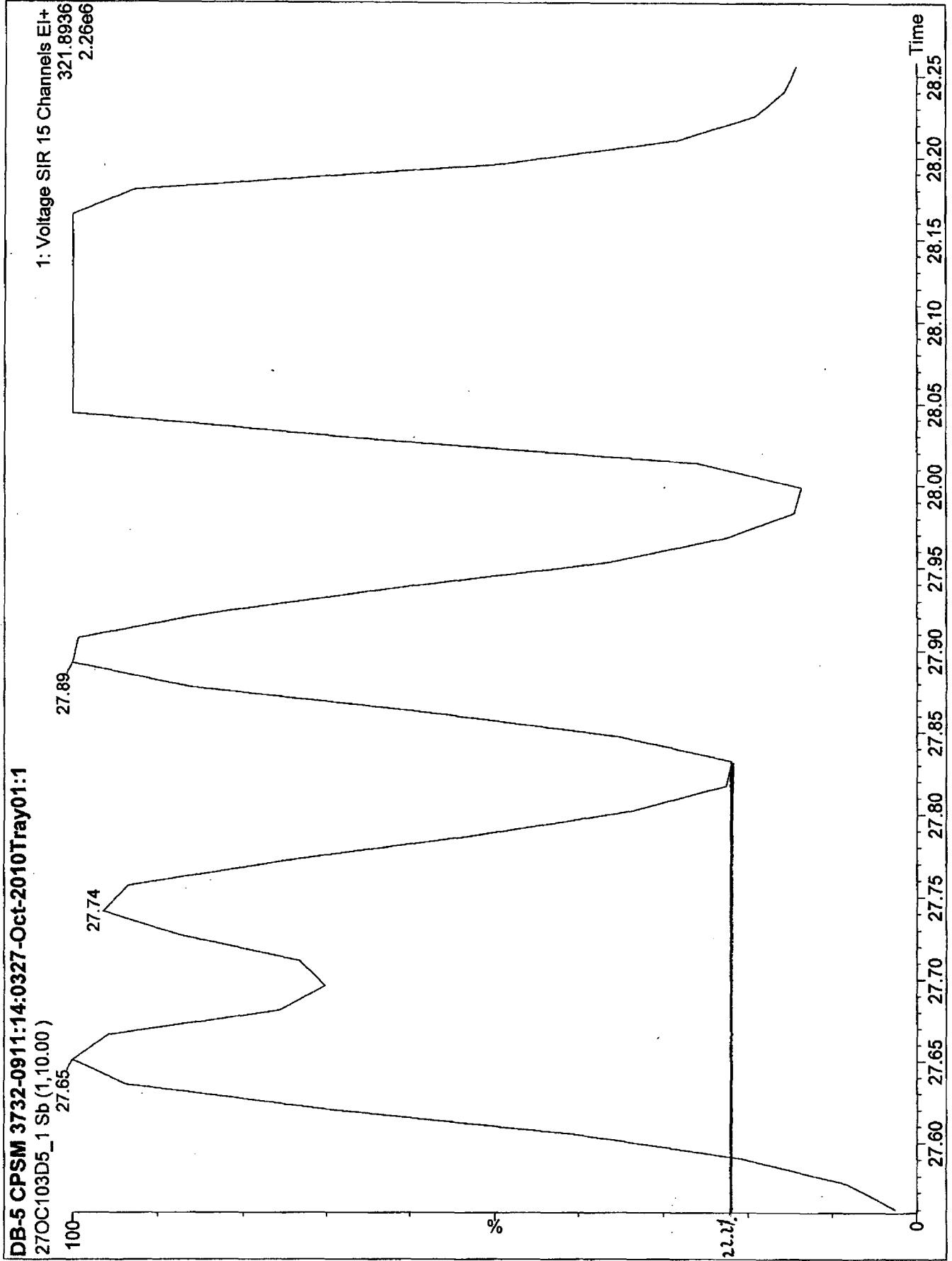


M 504.9696 R 12209



M 516.9697 R 11627





Dataset: C:\MassLynx\JAN2010.PRO\ICA1027103D582902NDSRCE.qld  
 Last Altered: Wednesday, November 03, 2010 10:57:10 Pacific Daylight Time  
 Printed: Wednesday, November 03, 2010 10:57:56 Pacific Daylight Time

Method: C:\MassLynx\JAN2010.PRO\MethDB\82903D5OCDD25.mdb 03 Nov 2010 10:33:18  
 Calibration: C:\MassLynx\JAN2010.PRO\Curve\B\ICA1027103D58290.cdb 03 Nov 2010 10:34:07

Name: 27OC103D5\_9, Date: 27-Oct-2010, Time: 18:40:41, ID: ST1027E, Description: 2nd Source 10DXN340, Task:

#	Name	Trace	Sample Size	RT	Pd:RT	RRF:M	Abs Resh	Conc	EMPC	%Rec	EDL	Ratio	Pd:Ratio	Ratio	Mod:Date
1	13C-1,2,3,4-TCDD	331.9368	1.000	27.65	27.64	1.000	1511786.13	2000.0000	2000.0000	100.0	2.2245	0.748	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	1.000	26.96	26.97	1.347	2298661.19	2256.9155	2256.9155	112.8	1.7787	0.783	0.770	NO	
4	2,3,7,8-TCDF	303.9016	1.000	26.97	26.97	1.016	208535.32	178.6302	178.6302		0.4256	0.759	0.770	NO	
5	Total TCDFs	303.9016	1.000		21.44	1.016		178.6302	178.6302		0.4256				
6															
7	13C-2,3,7,8-TCDD	331.9368	1.000	27.89	27.92	0.854	1454114.56	2251.8102	2251.8102	112.6	2.6039	0.757	0.770	NO	
8	2,3,7,8-TCDD	319.8965	1.000	27.91	27.92	1.108	148032.16	181.2505	181.2505		0.6223	0.766	0.770	NO	
9	Total TCDDs	319.8965	1.000		19.55	1.108		181.2505	181.2505		0.6223				
10															
11	37CL-2,3,7,8-TCDD	327.8847	1.000	27.92	27.92	0.566	188430.88	440.7907	0.0000	110.2	0.7152				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	1.000	33.42	33.43	1.118	1893403.88	2241.3647	2241.3647	112.1	3.6854	1.631	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	1.000	33.44	33.44	1.039	458413.81	466.1160	466.1160		1.1498	1.579	1.550	NO	
15	2,3,4,7,8-PeCDF	339.8597	1.000	35.15	35.14	1.016	442933.70	460.6103	460.6103		1.1759	1.550	1.550	NO	
16	Total F2 PeCDFs	339.8597	1.000		34.47	1.027		926.7263	926.7263		1.1627				
17	Total F1 PeCDFs	339.8597	1.000		36.56	1.027		0.2337	0.1749		0.6270				
18															
19	13C-1,2,3,7,8-PeCDD	367.8949	1.000	36.05	36.05	0.721	1270744.84	2330.5909	2330.5909	116.5	2.3767	1.609	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	1.000	36.08	36.08	1.031	298762.75	457.7705	457.7705		1.2335	1.569	1.550	NO	
21	Total PeCDDs	355.8546	1.000		31.10	1.031		457.7705	457.7705		1.2335				
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	1.000	42.46	42.46	1.000	1168156.25	2000.0000	2000.0000	100.0	1.3375	1.424	1.240	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	1.000	41.26	41.28	1.093	1317798.63	2063.5851	2063.5851	103.2	3.7072	0.516	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	1.000	41.27	41.27	1.216	388818.03	495.3483	495.3483		0.8567	1.263	1.240	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	1.000	41.40	41.38	1.488	510048.56	516.7059	516.7059		0.6952	1.303	1.240	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	1.000	41.96	41.96	1.324	403379.03	462.3649	462.3649		0.7866	1.227	1.240	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	1.000	42.63	42.62	1.083	345715.67	484.6908	484.6908		0.9621	1.288	1.240	NO	
30	Total HxCDFs	373.8208	1.000		0.00	1.280		1959.1089	1959.1089		0.8136				
31															

MassLynx 4.1

Quantify Sample Summary Report

Dataset: C:\MassLynx\JAN2010.PRO\ICA1027103D582902NDSRCE.qld

Last Altered: Wednesday, November 03, 2010 10:57:10 Pacific Daylight Time

Printed: Wednesday, November 03, 2010 10:57:56 Pacific Daylight Time

Name: 27OC103D5\_9, Date: 27-Oct-2010, Time: 18:40:41, ID: ST1027E, Description: 2nd Source 10DXN340, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	401.8559	1.000	42.18	42.19	0.972		1242032.31	2187.9741	2187.9741	109.4	1.3762	1.359	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	1.000	42.11	42.12	0.869		240592.21	446.0115	446.0115		1.0739	1.273	1.240	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	1.000	42.20	42.19	1.157		327149.55	455.3480	455.3480		0.8063	1.305	1.240	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	1.000	42.47	42.46	1.025		305437.20	479.7456	479.7456		0.9099	1.297	1.240	NO	
36	Total HxCDDs	389.8157	1.000		0.00	1.017			1381.1051	1381.1051		0.9173				
37																
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	1.000	44.08	44.08	0.965		1200548.38	2130.2437	2130.2437	106.5	6.4852	0.434	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	1.000	44.08	44.08	1.373		378499.09	459.1863	459.1863		1.4949	1.038	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	1.000	45.31	45.31	1.145		304159.05	442.4291	442.4291		1.7924	1.043	1.040	NO	
41	Total HpCDFs	407.7818	1.000		0.00	1.259			901.6154	901.6154		1.6302				
42																
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	1.000	44.96	44.96	0.858		1086401.25	2168.9303	2168.9303	108.4	6.4479	1.057	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	1.000	44.96	44.98	1.049		258122.15	453.0431	453.0431		1.3285	1.047	1.040	NO	
45	Total HpCDDs	423.7766	1.000		0.00	1.049			453.0431	453.0431		1.3285				
46																
47	13C-OCDD	469.7779	1.000	47.67	47.68	0.637		1543486.56	4145.3892	4145.3892	103.6	10.6481	0.932	0.890	NO	
48	OCDF	441.7428	1.000	47.80	47.80	1.507		536701.05	923.0604	923.0604		2.4563	0.884	0.890	NO	
49	OCDD	457.7377	1.000	47.68	47.68	1.194		443813.03	963.2203	963.2203		2.6540	0.894	0.890	NO	
50																
51																
52	Function 1 PFK	330.97920	1.000													
53	Function 2 PFK	342.97920	1.000	36.90	36.91	14411....		8955.92	0.6214		62.1	2.4968				
54	Function 3 PFK	380.97600	1.000													
55	Function 4 PFK	430.87290	1.000	45.71	45.71	11038....		2928.02	0.2653		26.5	1.2025				
56	Function 5 PFK	442.97280	1.000													
57	TCDF PCDFE	375.8364	1.000	23.46	23.43	33.291		43.38	1.3032		130.3	0.3022				
58	F1 PeCDF PCDFE	408.79740	1.000													
59	F2 PeCDF PCDFE	409.7974	1.000	38.54	38.58	76.937		33.60	0.4367		43.7	0.4289				
60	HxCDF PCDFE	445.7555	1.000	41.75	41.85	31.075		27.47	0.8639		88.4	0.3838				
61	HPCDF PCDFE	479.7165	1.000	45.77	45.69	106.081		172.69	1.6280		162.8	0.2484				
62	OCDF PCDFE	513.6750	1.000		47.82	234.419										

Test America – West Sacramento



THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist  
Dioxin Methods

ICAL ID (DB225, DB225AIR) 1214105D2

Method ID 1613B, 8290, TO9, 23, M023A Date Scanned \_\_\_\_\_

Column ID DB225 Instrument ID 5D2

STD ID's ST1214, ST1214A → D STD Solution 10DXN (503+507)

GC Program DB225 Multiplier Setting 750 kV

Analyzed By KSS Date Analyzed 12-14-10

Prepared By KSS Date Prepared 12-15-10

Reviewed By AK Date Reviewed 12-15-10

Curve summary present?	✓	✓
Hardcopies of chromatograms for CSI-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Beginning and Ending Static resolution check present?	✓	✓
DLM02.2: Beginning and ending CPSM blow ups present?	✓	✓
DLM02.2: CPSM valley < 25%. Resolution documented below? **	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?	✓	✓
Isotopic ratios within limits?	✓	✓
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
DLM02.2: Absolute retention time for 13C12-1,2,3,4-TCDD > 25 minutes on a DB-5 column or 13C12-1,2,3,4-TCDD > 15 minutes on a DB-225 column? ICAL ess Absolute RT = 15:18	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

CPSM 1 valley = 17% ; CPSM 2 valley = 17%

- \* Method 8290/TO9/M0023A: %RSD ≤ 20% for natives, ≤ 30% for labeled compounds; S/N ≥ 10  
Method 1613B/DLM02.2: %RSD ≤ 20% natives, ≤ 30% labeled compounds; S/N ≥ 10  
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N ≥ 2.5
- \*\* DLM02.2 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.



Run: 14DE10B5D2 Analyte: DB225 Cal: DB2251214105D2

ST1214 :10DXN503 CS11214 KSS ST1214A :10DXN504 CS21214A ST1214B :10DXN505 CS31414B  
 ST1214C :10DXN506 CS41214C ST1214D :10DXN507 CS51214D

Name	Mean	S. D.	%RSD	14DE10B5D214DE10B5D214DE10B5D214DE10B5D214DE10B5D2											
				S3	S4	S5	S6	S7	RRF1	RRF2	RRF3	RRF4	RRF5		
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-	-	-	-	-	-	-	-
13C-2,3,7,8-TCDF	2.023	0.106	5.26 %	1.92	2.07	2.18	2.00	1.94	1.94	1.92	2.07	2.18	2.00	1.94	1.94
2,3,7,8-TCDF	1.012	0.027	2.71 %	1.04	1.03	0.98	1.01	1.00	1.00	1.04	1.03	0.98	1.01	1.00	1.00
13C-2,3,7,8-TCDD	0.985	0.061	6.17 %	0.99	1.01	1.05	0.99	0.89	0.89	0.99	1.01	1.05	0.99	0.89	0.89
2,3,7,8-TCDD	1.562	0.050	3.20 %	1.59	1.61	1.54	1.59	1.48	1.48	1.59	1.61	1.54	1.59	1.48	1.48
37Cl-2,3,7,8-TCDD	1.749	0.132	7.54 %	1.74	1.85	1.86	1.77	1.53	1.53	1.74	1.85	1.86	1.77	1.53	1.53

Run #1 Filename 14DE10B5D2 S: 3 I: 1  
Acquired: 14-DEC-10 14:15:32 Processed: 14-DEC-10 15:29:03  
Run: 14DE10B5D2 Analyte: DB225 Cal: DB2251214105D2

## Comments:

Sample text: ST1214 :10DXN503 CS11214 KSS

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	198210300	0.80 y	15:19	-	100.00	n
13C-2,3,7,8-TCDF	380145000	0.79 y	16:32	1.918	100.00	n
2,3,7,8-TCDF	1983432	0.71 y	16:33	1.044	0.50	n
13C-2,3,7,8-TCDD	196387400	0.78 y	15:00	0.991	100.00	n
2,3,7,8-TCDD	1557338	0.81 y	15:01	1.586	0.50	n
37Cl-2,3,7,8-TCDD	1725766	1.00 y	15:01	1.741	0.50	n

Run #2    Filename 14DE10B5D2    S: 4    I: 1  
Acquired: 14-DEC-10 14:51:46    Processed: 14-DEC-10 15:29:03  
Run: 14DE10B5D2    Analyte: DB225    Cal: DB2251214105D2

## Comments:

Sample text: ST1214A :10DXN504 CS21214A KSS

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	187943700	0.80 y	15:19	-	100.00	n
13C-2,3,7,8-TCDF	389377000	0.80 y	16:32	2.072	100.00	n
2,3,7,8-TCDF	8053700	0.72 y	16:33	1.034	2.00	n
13C-2,3,7,8-TCDD	189250100	0.79 y	15:00	1.007	100.00	n
2,3,7,8-TCDD	6102500	0.83 y	15:01	1.612	2.00	n
37Cl-2,3,7,8-TCDD	6946640	1.00 y	15:01	1.848	2.00	n

Run #3 Filename 14DE10B5D2 S: 5 I: 1  
Acquired: 14-DEC-10 15:28:06 Processed: 14-DEC-10 15:57:02  
Run: 14DE10B5D2 Analyte: DB225 Cal: DB2251214105D2

## Comments:

Sample text: ST1214B :10DXN505 CS31414B KSS

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	177466300	0.83 y	15:18	-	100.00	n
13C-2,3,7,8-TCDF	387007000	0.78 y	16:32	2.181	100.00	n
2,3,7,8-TCDF	37792600	0.73 y	16:33	0.977	10.00	n
13C-2,3,7,8-TCDD	186625100	0.81 y	14:59	1.052	100.00	n
2,3,7,8-TCDD	28785200	0.78 y	15:01	1.542	10.00	n
37C1-2,3,7,8-TCDD	32922600	1.00 y	15:01	1.855	10.00	n

Run #4    Filename 14DE10B5D2    S: 6    I: 1  
Acquired: 14-DEC-10 16:04:28    Processed: 14-DEC-10 16:28:31  
Run: 14DE10B5D2    Analyte: DB225    Cal: DB2251214105D2  
Comments:  
Sample text: ST1214C :10DXN506 CS41214C KSS

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	182473800	0.78 y	15:18	-	100.00	n
13C-2,3,7,8-TCDF	364998000	0.79 y	16:32	2.000	100.00	n
2,3,7,8-TCDF	147314700	0.71 y	16:32	1.009	40.00	n
13C-2,3,7,8-TCDD	180660100	0.80 y	15:00	0.990	100.00	n
2,3,7,8-TCDD	114557500	0.78 y	15:00	1.585	40.00	n
37Cl-2,3,7,8-TCDD	129089600	1.00 y	15:00	1.769	40.00	n

Run #5 Filename 14DE10B5D2 S: 7 I: 1  
Acquired: 14-DEC-10 16:40:49 Processed: 14-DEC-10 17:13:09  
Run: 14DE10B5D2 Analyte: DB225 Cal: DB2251214105D2

## Comments:

Sample text: ST1214D :10DXN507 CS51214D KSS

Name	Resp	RA	RT	RRF		Mod?
13C-1,2,3,4-TCDD	202676800	0.80 y	15:18	-	100.00	n
13C-2,3,7,8-TCDF	393685000	0.80 y	16:31	1.942	100.00	n
2,3,7,8-TCDF	784363000	0.73 y	16:32	0.996	200.00	n
13C-2,3,7,8-TCDD	179577700	0.79 y	14:59	0.886	100.00	n
2,3,7,8-TCDD	533290000	0.79 y	15:00	1.485	200.00	n
37Cl-2,3,7,8-TCDD	620084000	1.00 y	15:00	1.530	200.00	n

Quantitation Summary TestAmerica West Sacramento

Run text: ST1214E Sample text: ST1214E :10DXN340 Second Source KSS  
 Run #6 Filename: 14DE10B5D2 S: 9 I: 1 Results: 14DE10B5D2DB225  
 Acquired: 14-DEC-10 17:53:39 Processed: 14-DEC-10 18:26:25  
 Run: 14DE10B5D2 Analyte: DB225 Cal: DB2251214105D2  
 Factor 1: 800.000 Factor 2: 20.000 Sample size: 1.000000 *spiked @ 200 ppb*

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
13C-1,2,3,4-TCDD	168736500	0.79 y	15:15	-	88.92	-	-	n
13C-2,3,7,8-TCDF	382850000	0.80 y	16:29	2.02	2243.55	10.19	112.2	n
2,3,7,8-TCDF	36609000	0.72 y	16:29	1.01	189.00 (94.5% R)	1.72	-	n
13C-2,3,7,8-TCDD	166332300	0.81 y	14:57	0.99	2001.34	9.02	100.1	n
2,3,7,8-TCDD	24991900	0.78 y	14:57	1.56	192.37 (96.1% R)	2.86	-	n
37Cl-2,3,7,8-TCDD	57132800	1.00 y	14:57	1.75	387.28	4.57	96.8	n

*12/15/10 #35*

Data file	Smp	Work Order	Sample ID	FV-uL Method/Matrix	Box	Size	U
14DE10B5D2	1	CP1214	DB-225 3732-11 CPS1214 KSS			1.0000	
14DE10B5D2	2	SB1214	Solvent Blank C-14 SB1214 KSS			1.0000	
14DE10B5D2	3	ST1214	10DXN503 CS11214 KSS			1.0000	
14DE10B5D2	4	ST1214A	10DXN504 CS21214A KSS			1.0000	
14DE10B5D2	5	ST1214B	10DXN505 CS31414B KSS			1.0000	
14DE10B5D2	6	ST1214C	10DXN506 CS41214C KSS			1.0000	
14DE10B5D2	7	ST1214D	10DXN507 CS51214D KSS			1.0000	
14DE10B5D2	8	SB1214A	Solvent Blank C-14 SB1214A KSS			1.0000	
14DE10B5D2	9	ST1214E	10DXN340 Second Source KSS			1.0000	
14DE10B5D2	10	CP1214A	DB-225 3732-11 CPS1214A KSS			1.0000	
14DE10B5D2	11					1.0000	
14DE10B5D2	12					1.0000	
14DE10B5D2	13					1.0000	
14DE10B5D2	14					1.0000	
14DE10B5D2	15					1.0000	
14DE10B5D2	16					1.0000	
14DE10B5D2	17					1.0000	
14DE10B5D2	18					1.0000	

12-15-10  
 KSS  
 1001  
 12-15-10

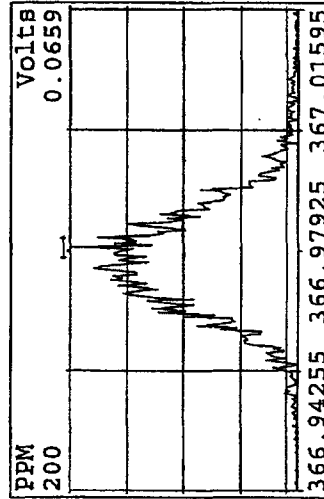
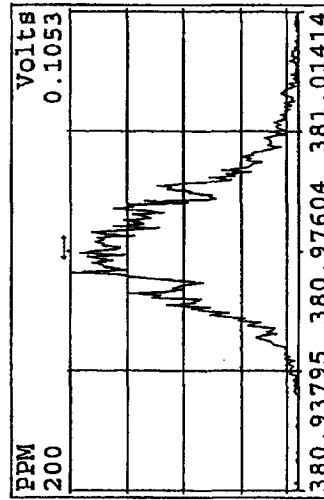
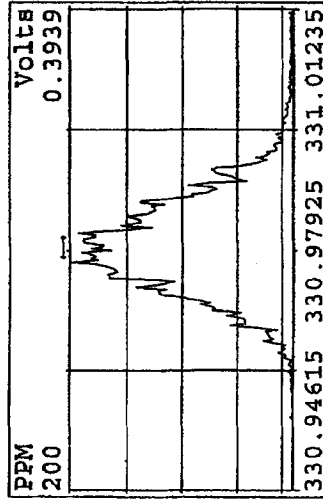
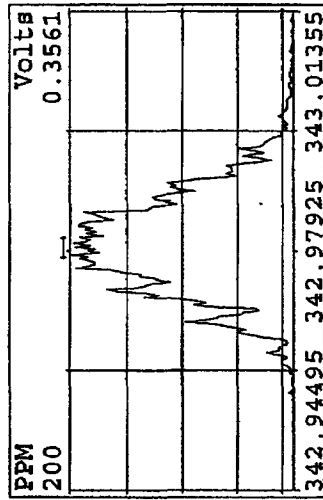
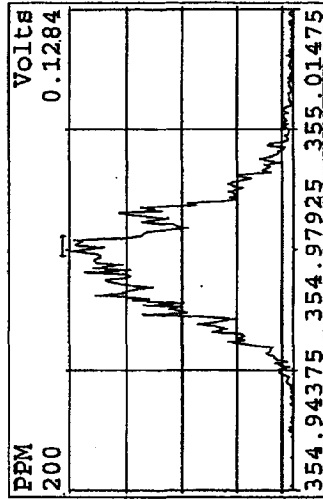
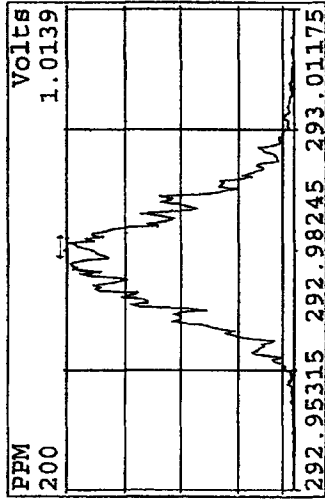
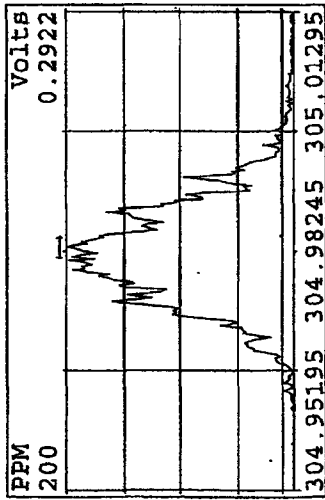
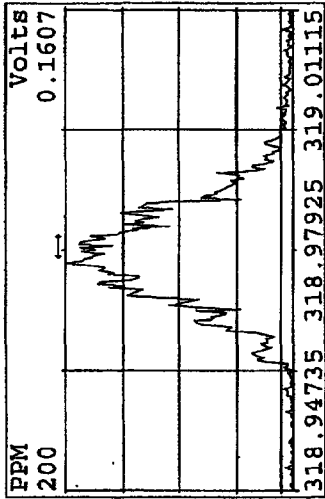
KSS 12-14-10



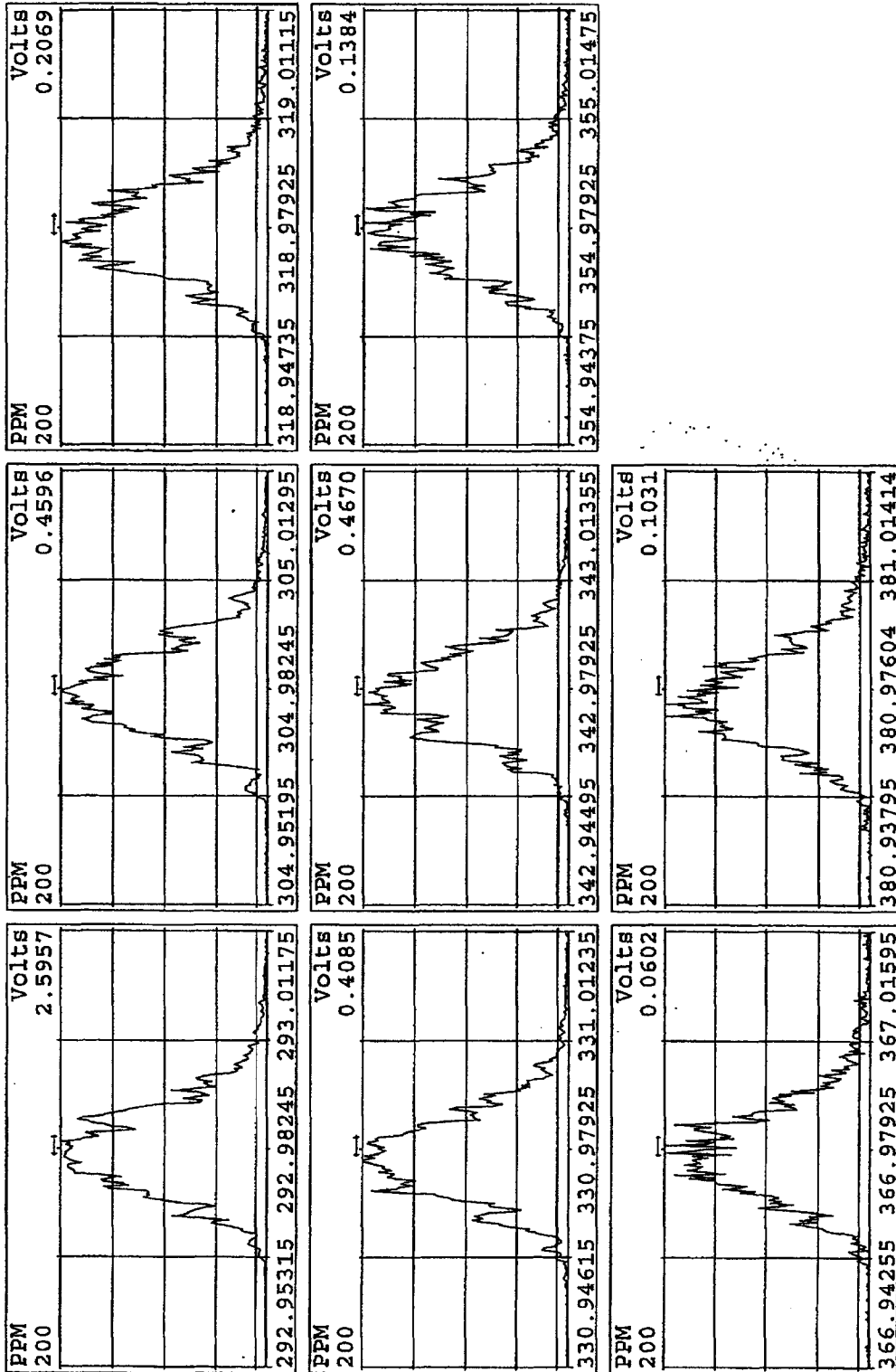
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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14DE10B5D2	2	SB1214	Solvent Blank C-14 SB1214 KSS				1.0000	
14DE10B5D2	3	ST1214	10DXN503 CS11214 KSS				1.0000	
14DE10B5D2	4	ST1214A	10DXN504 CS21214A KSS				1.0000	
14DE10B5D2	5	ST1214B	10DXN505 CS31414B KSS				1.0000	
14DE10B5D2	6	ST1214C	10DXN506 CS41214C KSS				1.0000	
14DE10B5D2	7	ST1214D	10DXN507 CS51214D KSS				1.0000	
14DE10B5D2	8	SB1214A	Solvent Blank C-14 SB1214A KSS				1.0000	
14DE10B5D2	9	ST1214E	10DXN340 Second Source KSS				1.0000	
14DE10B5D2	10	CP1214A	DB-225 3732-11 CPS1214A KSS				1.0000	
14DE10B5D2	11						1.0000	
14DE10B5D2	12						1.0000	
14DE10B5D2	13						1.0000	
14DE10B5D2	14						1.0000	
14DE10B5D2	15						1.0000	
14DE10B5D2	16						1.0000	
14DE10B5D2	17						1.0000	
14DE10B5D2	18						1.0000	

12/15/10  
 109 H/rev/p  
 KSS 12-14-10

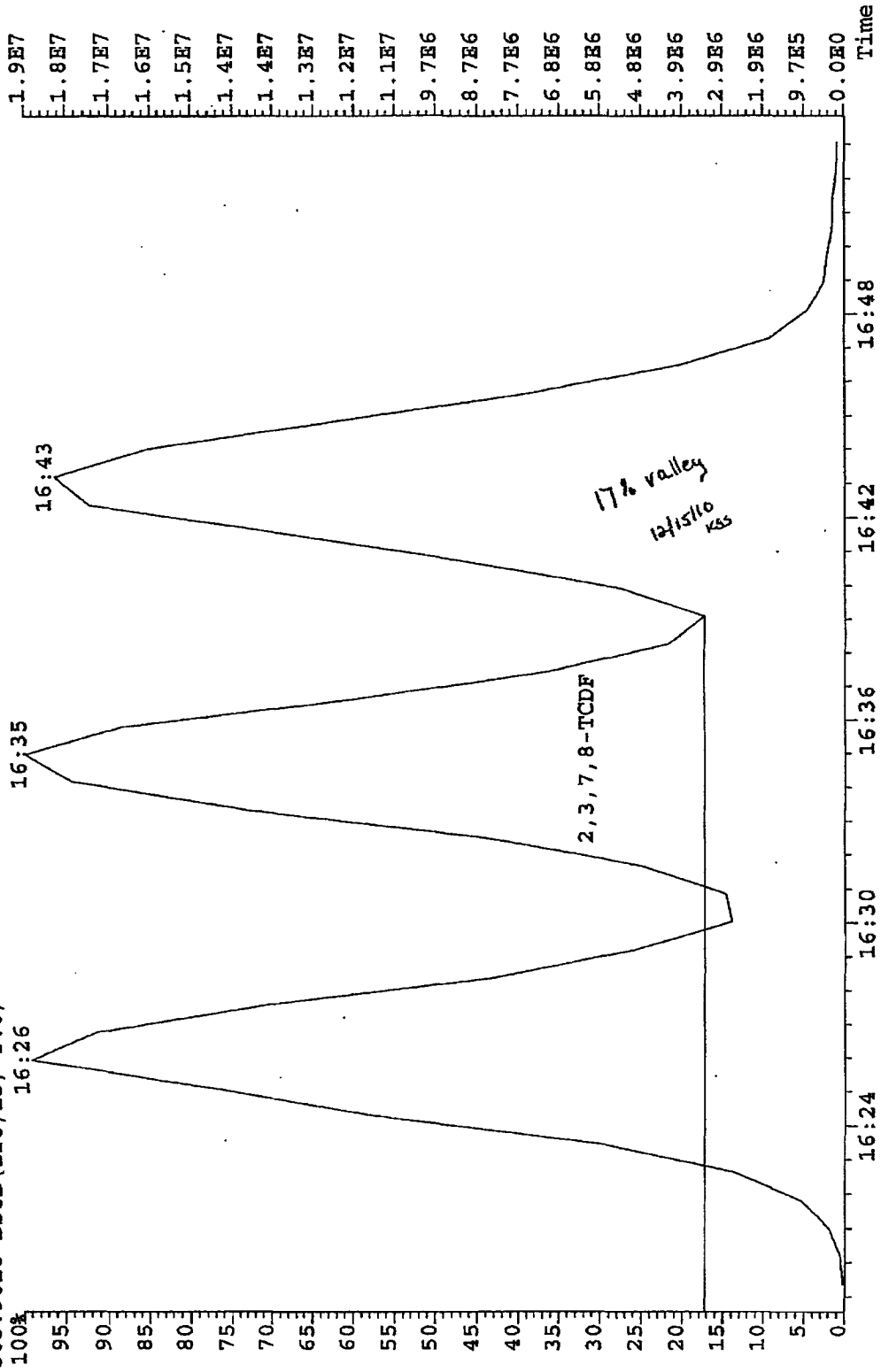
Peak Locate Examination: 14-DEC-2010; 13:01 File: 14DE10B5D2  
 Experiment: DB225RES Function: 1 Reference: PFK



Peak Locate Examination: 14-DEC-2010:19:44 File: RESCHK14DH10B5D2  
 Experiment: DE225RHS Function: 1 Reference: PFK



File: 14DBE10B5D2 #1-1241 Acq: 14-DEC-2010 13:03:01 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: CPI214 ;DB-225 3732-11 CPS1214 KSS Exp: DB225RES  
 303.9016 BSUB(128,15,-3.0)



Method ID 8290, 8290A

Column ID DB225

STD ID ST0908, ST0908A

Analyzed by M.G., A.M.

Std. Pkg. By M.G.

Std. Pkg. Reviewed By KSS

Associated ICAL DB225 121410502

Instrument ID 502

STD Solution 11DXN207

Date Analyzed 9/8/11

Date Std. Pkg. Assembled 9/9/11

Date Std. Pkg. Reviewed 9/9/11

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?***	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for all 1613B samples)	NA	NA

COMMENTS: \_\_\_\_\_

\* Method 8290/TO9/M0023A: (beginning) ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.  
 Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.  
 Method 23: See Method 23 Daily Standard Criteria, Table 5.  
 Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,  
 \*\* Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF.(DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet  
 Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Run text: ST0908 File text: ST0908 :CS3 11DXN207, MG  
 Run #7 Filename 08SE115D2 S: 2 I: 1  
 Acquired: 8-SEP-11 09:30:28 Processed: 8-SEP-11 22:53:16  
 Run: 08SE115D2 Analyte: DB225 Cal: DB2251214105D2 Results: 08SE115D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	47788300	0.79 y	15:13	-	100.00	-	n
13C-2,3,7,8-TCDF	95639600	0.81 y	16:25	2.00	100.00	-1.1	n
2,3,7,8-TCDF	9142680	0.77 y	16:27	0.96	10.00	-5.5	n
13C-2,3,7,8-TCDD	43819500	0.79 y	14:56	0.92	100.00	-6.9	n
2,3,7,8-TCDD	6675550	0.79 y	14:56	1.52	10.00	-2.5	n
37Cl-2,3,7,8-TCDD	6742360	1.00 y	14:56	1.41	10.00	-19.3	n

Run text: ST0908A                      File text: ST0908A :CS3 11DXN207, MG  
Run #22 Filename 08SE115D2    S: 19    I: 1  
Acquired: 8-SEP-11    19:44:59            Processed: 9-SEP-11    12:51:31  
Run: 08SE115D2    Analyte: DB225            Cal: DB2251214105D2            Results: 08SE115D2DB225

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
13C-1,2,3,4-TCDD	55024000	0.77 y	15:13	-	100.00	-	n
13C-2,3,7,8-TCDF	111475000	0.80 y	16:26	2.03	100.00	0.2	n
2,3,7,8-TCDF	10396570	0.78 y	16:27	0.93	10.00	-7.8	n
13C-2,3,7,8-TCDD	50853700	0.77 y	14:57	0.92	100.00	-6.2	n
2,3,7,8-TCDD	7839210	0.80 y	14:57	1.54	10.00	-1.3	n
37Cl-2,3,7,8-TCDD	7324200	1.00 y	14:57	1.33	10.00	-23.9	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
08SE115D2	1	CP0908	DB-225 CPSM 3732-11, MG				1.0000	
08SE115D2	2	ST0908	CS3 11DXN207, MG				1.0000	
08SE115D2	3	SB0908	Solvent Blank C-14, MG				1.0000	
08SE115D2	4	ML51L-1-AA	G1H310000-44B, 1243044, DELK01, MG	20	1613B/WATER	EP17	1.0000	L
08SE115D2	5	ML51L-1-AC	G1H310000-44C, 1243044, DLCS01, MG	20	1613B/WATER		1.0000	L
08SE115D2	6	MLQ7V-1-AA	G1H170477-1, 1243044, D6GW8, MG	20	1613B/WATER		1.0000	L
08SE115D2	7	MLTL4-1-AA	G1H180492-13	20	8290/SOLID	87	1.0580	g
08SE115D2	8	MLTL6-1-AA	G1H180492-14	20	8290/SOLID		2.1080	g
08SE115D2	9	MLTLD-1-AA	G1H180492-7	20	8290/SOLID		3.0150	g
08SE115D2	10	MLTLT-1-AA	G1H180492-8	20	8290/SOLID		4.2480	g
08SE115D2	11	MLTLV-1-AA	G1H180492-9	20	8290/SOLID		3.1530	g
08SE115D2	12	ML7AF-1-AD	G1I010460-1	20	8290/SOLID	82	10.8100	g
08SE115D2	13	ML0DG-1-AA	G1H240411-1 (10X)	20	8290A/WATER	EP17	0.5126	L
08SE115D2	14	ML7AF-1-AE	G1I010460-1S	20	8290/SOLID	82	10.8500	g
08SE115D2	15	ML7AF-1-AF	G1I010460-1D	20	8290/SOLID		10.3800	g
08SE115D2	16	ML699-1-AC	G1I010458-1	20	8290/SOLID		5.7700	g
08SE115D2	17	SB0908A	Solvent Blank C-14, MG				1.0000	
08SE115D2	18	CP0908A	DB-225 CPSM 3732-11, MG				1.0000	
08SE115D2	19	ST0908A	CS3 11DXN207, MG				1.0000	
08SE115D2	20						1.0000	
08SE115D2	21						1.0000	
08SE115D2	22						1.0000	
08SE115D2	23						1.0000	
08SE115D2	24						1.0000	
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08SE115D2	26						1.0000	

MG, AM 09-08-11

log file checked  
9-08-11 AM

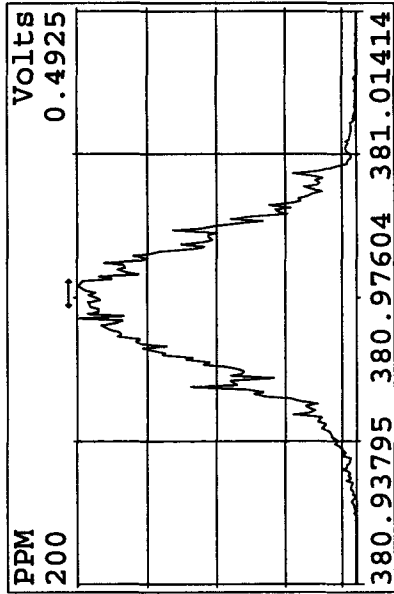
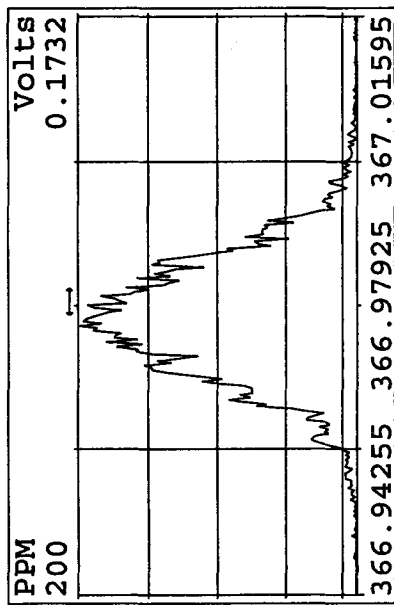
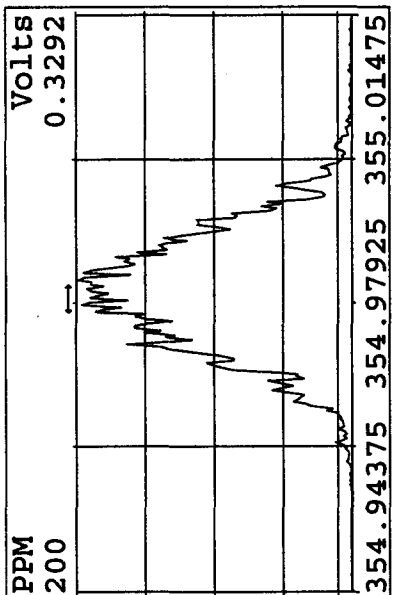
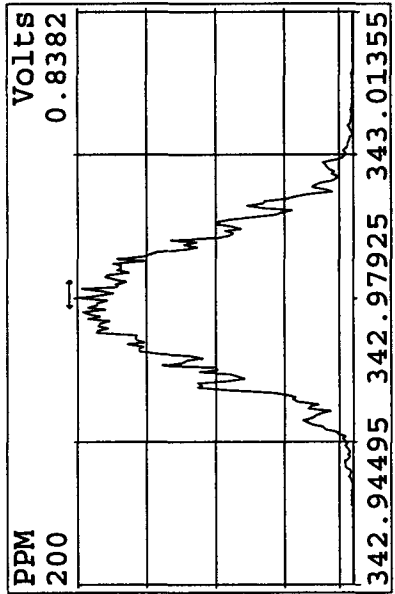
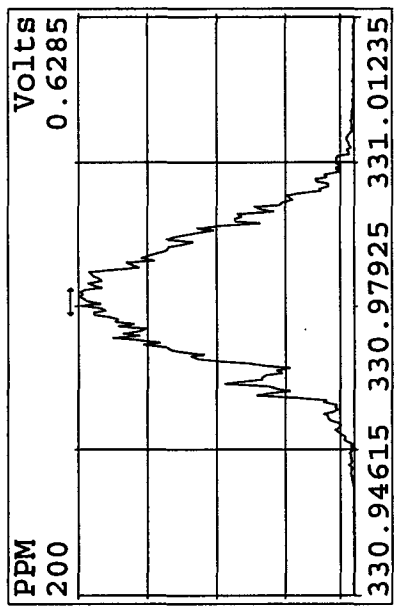
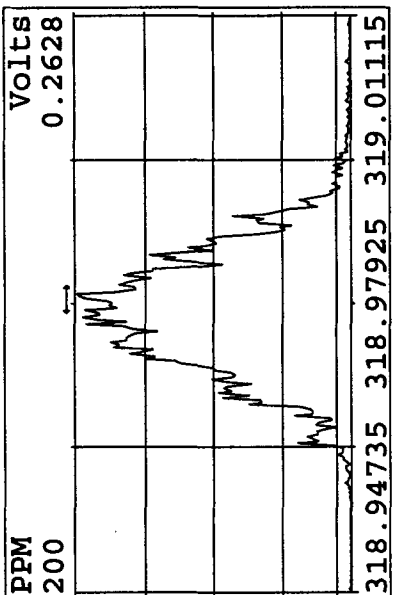
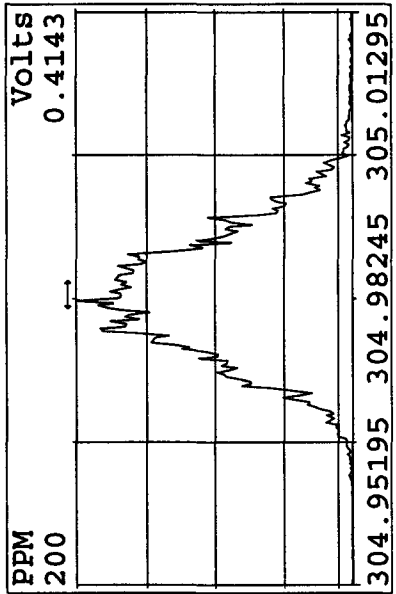
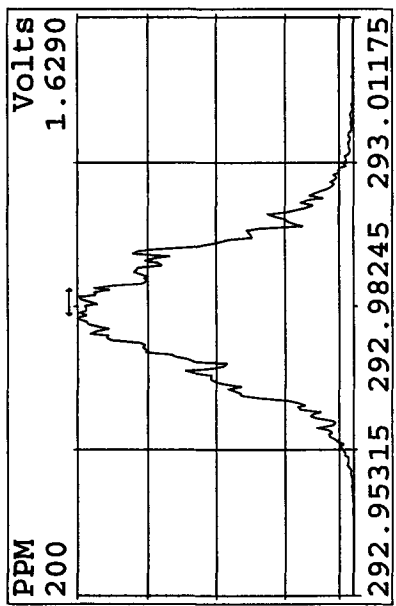


Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
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08SE115D2	2	ST0908	CS3 11DXN207, MG				1.0000	
08SE115D2	3	SB0908	Solvent Blank C-14, MG				1.0000	
08SE115D2	4	ML51L-1-AA	G1H310000-44B, 1243044, DBLK01, MG	20	1613B/WATER	EP17	1.0000	L
08SE115D2	5	ML51L-1-AC	G1H310000-44C, 1243044, DLCS01, MG	20	1613B/WATER		1.0000	L
08SE115D2	6	MLQ7V-1-AA	G1H170477-1, 1243044, D6GW8, MG	20	1613B/WATER		1.0000	L
08SE115D2	7	MLJTL4-1-AA	G1H180492-13	20	8290/SOLID	87	1.0580	g
08SE115D2	8	MLJTL6-1-AA	G1H180492-14	20	8290/SOLID		2.1080	g
08SE115D2	9	MLJTLD-1-AA	G1H180492-7	20	8290/SOLID		3.0150	g
08SE115D2	10	MLJTLT-1-AA	G1H180492-8	20	8290/SOLID		4.2480	g
08SE115D2	11	MLJTLV-1-AA	G1H180492-9	20	8290/SOLID		3.1530	g
08SE115D2	12	ML7AF-1-AD	G1I010460-1	20	8290/SOLID	82	10.8100	g
08SE115D2	13	ML0DG-1-AA	G1H240411-1 (10X)	20	8290A/WATER	EP17	0.5126	L
08SE115D2	14	ML7AF-1-AE	G1I010460-1S	20	8290/SOLID	82	10.8500	g
08SE115D2	15	ML7AF-1-AF	G1I010460-1D	20	8290/SOLID		10.3800	g
08SE115D2	16	ML699-1-AC	G1I010458-1	20	8290/SOLID		5.7700	g
08SE115D2	17	SB0908A	Solvent Blank C-14, MG				1.0000	
08SE115D2	18	CP0908A	DB-225 CPSM 3732-11, MG				1.0000	
08SE115D2	19	ST0908A	CS3 11DXN207, MG				1.0000	
08SE115D2	20						1.0000	
08SE115D2	21						1.0000	
08SE115D2	22						1.0000	
08SE115D2	23						1.0000	
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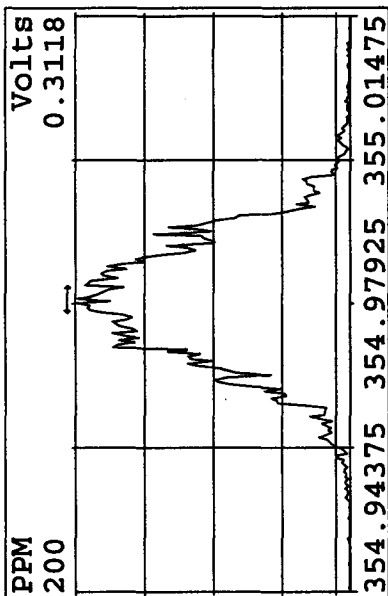
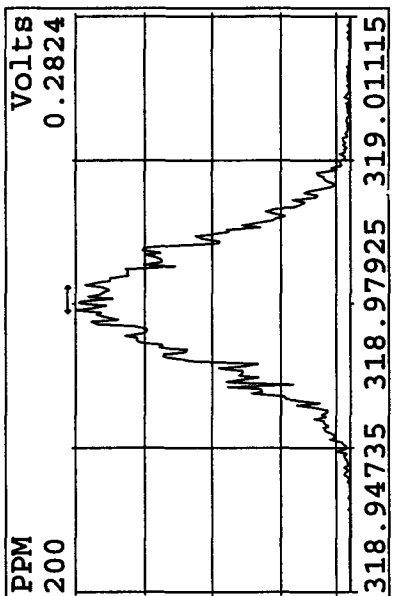
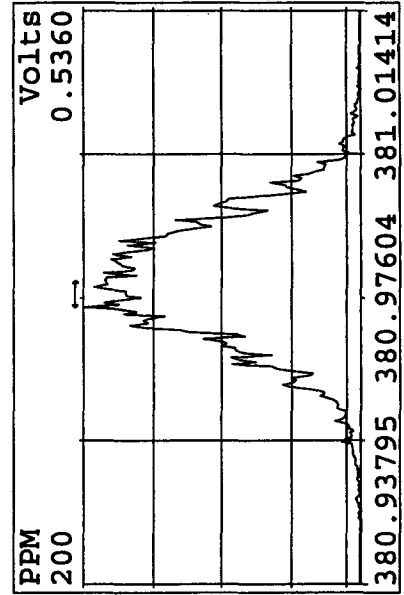
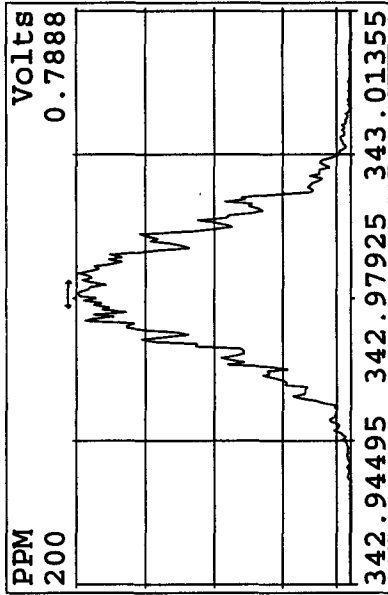
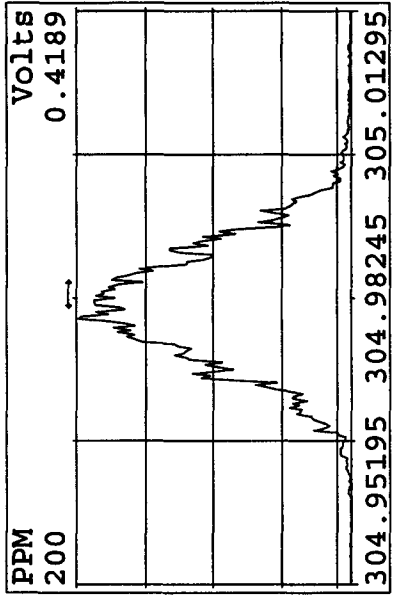
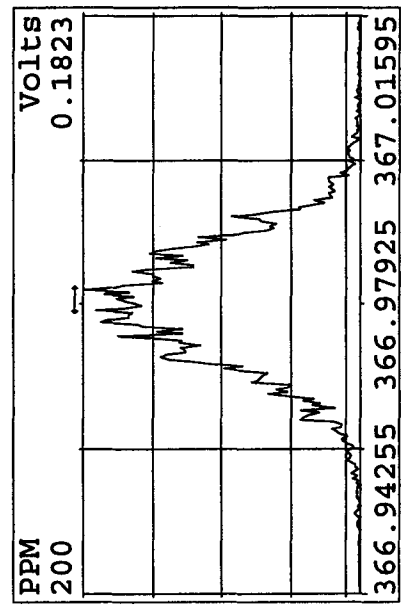
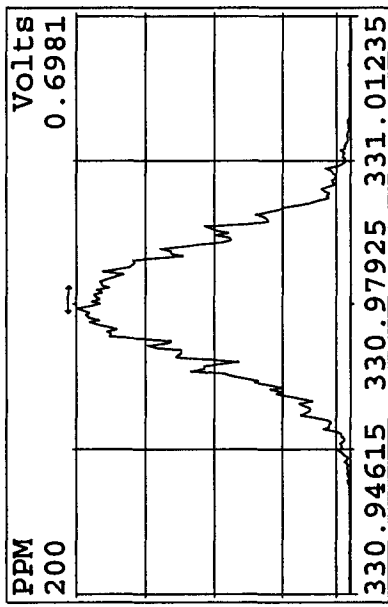
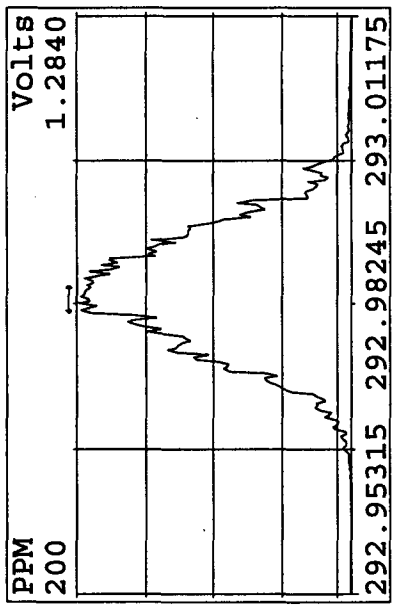
MG, AM 09-08-11

log file checked  
9-08-11 AM

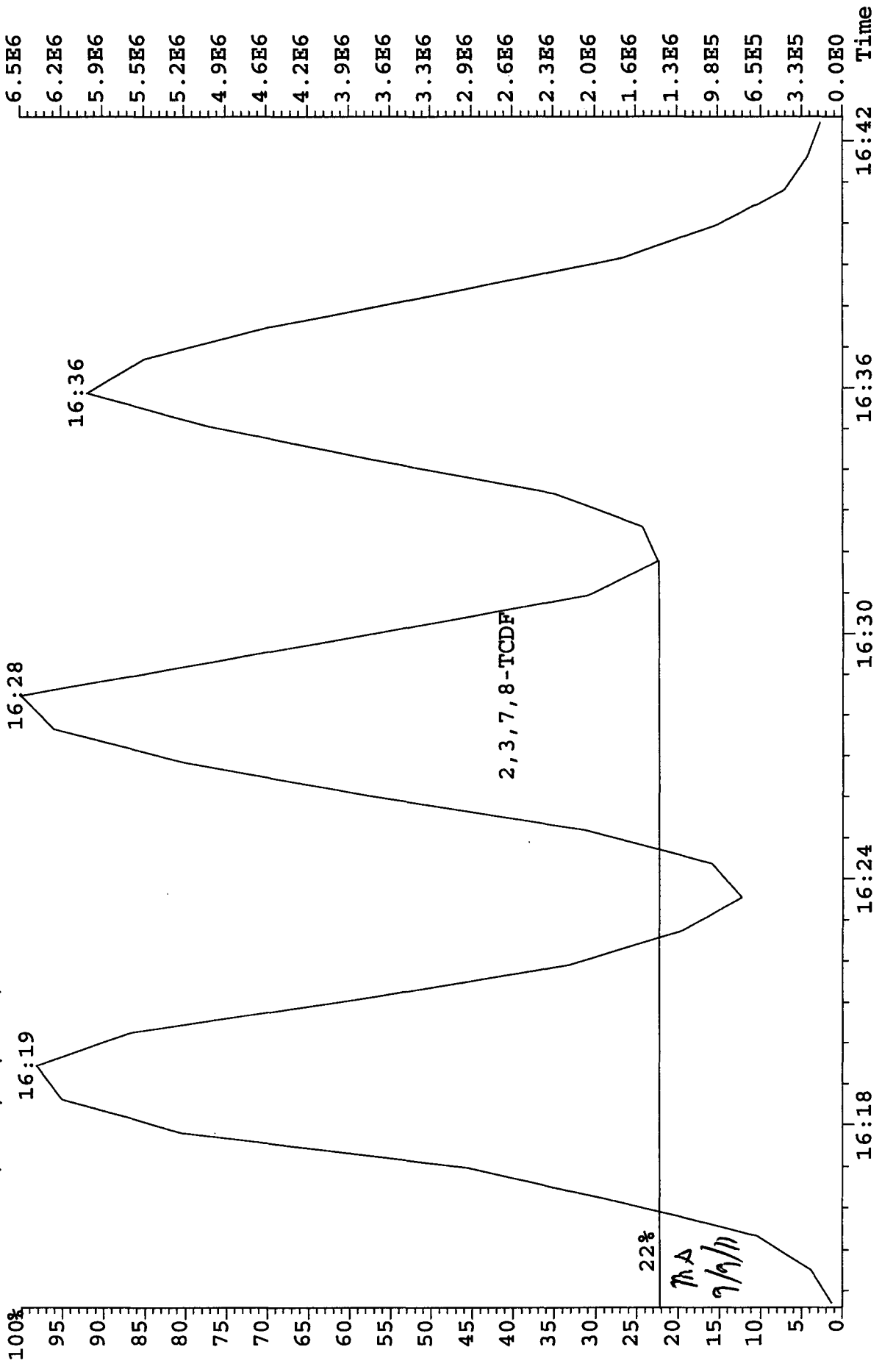
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 Experiment:DB225RES Function:1 Reference:PFK



Peak Locate Examination: 8-SEP-2011:20:26 File:RESCHK08SE115D2  
 Experiment:DB225RES Function:1 Reference:PFK



File: 08SE115D2 #1-1479 Acq: 8-SEP-2011 08:54:24 GC EI+ Voltage SIR 70SE  
 Sample#1 Text: CP0908 :DB-225 CPSM 3732-11, MG Exp:DB225RES  
 305.8987 BSUB(1000,15,-3.0)



Method ID 8290, 8290A

Associated ICAL 1CA1027103058290

Column ID DB5

Instrument ID 305

STD ID ST0906E, ST0906F

STD Solution 11DXN207

Analyzed by K.S.S.

Date Analyzed 9/8/11

Std. Pkg. By M.G.

Date Std. Pkg. Assembled 9/9/11

Std. Pkg. Reviewed By V.S.

Date Std. Pkg. Reviewed 9.9.11

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?***	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for all 1613B samples)	NA	NA

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Method 8290/TO9/M0023A: (beginning) ≤ 20% from curve RRFs for native analytes, ≤ 30% from curve RRFs for labeled compounds.  
 Method 8290/TO9/M0023A: (ending) ≤ 25% from curve RRFs for native analytes, ≤ 35% from curve RRFs for labeled compounds.  
 Method 23: See Method 23 Daily Standard Criteria, Table 5.  
 Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,  
 \*\* Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet  
 Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak

Dataset: C:\MassLynx\JAN2011.PRO\06SE113D58290E.qld

3D5

Last Altered: Thursday, September 08, 2011 17:33:43 Pacific Daylight Time

Printed: Thursday, September 08, 2011 17:35:17 Pacific Daylight Time

Method: C:\MassLynx\JAN2011.PRO\MethDB\82903D5OCDD25.mdb 16 Aug 2011 11:35:50

Calibration: C:\MassLynx\JAN2011.PRO\CurveDB\CA1027103D58290.cdb 03 Nov 2010 10:34:07

Name: 06SE113D5\_56, Date: 08-Sep-2011, Time: 13:31:51, ID: ST0906E, Description: CS3 11DXN207

#	Name	Response	RT	Pred.RT	RRF.M	RRF	Conc	%Dev	%Rec	ActRatio	PreRatio	RatioFlg	Mod.D
1	13C-1,2,3,4-TCDD	1009446	27.63	27.64	1.00000	1.00000	100.00	0.0	100.0	0.779	0.770	NO	
2													
3	13C-2,3,7,8-TCDF	1459622	26.94	26.90	1.34741	1.44596	107.31	7.3	107.3	0.784	0.770	NO	
4	2,3,7,8-TCDF	140104	26.95	26.96	1.01573	0.95987	9.45	-5.5	94.5	0.738	0.770	NO	
5	Total TCDFs			21.44	1.01573		9.45						
6													
7	13C-2,3,7,8-TCDD	920359	27.88	27.88	0.85429	0.91175	106.73	6.7	106.7	0.742	0.770	NO	
8	2,3,7,8-TCDD	99298	27.91	27.89	1.10816	1.07890	9.74	-2.6	97.4	0.791	0.770	NO	
9	Total TCDDs			19.55	1.10816		9.74						
10													
11	37CL-2,3,7,8-TCDD	62929	27.89	27.89	0.56553	0.62340	11.02	10.2	110.2				
12													
13	13C-1,2,3,7,8-PeCDF	1317308	33.40	33.40	1.11756	1.30498	116.77	16.8	116.8	1.581	1.550	NO	
14	1,2,3,7,8-PeCDF	638566	33.44	33.43	1.03884	0.96950	46.66	-6.7	93.3	1.518	1.550	NO	
15	2,3,4,7,8-PeCDF	603440	35.14	35.15	1.01576	0.91617	45.10	-9.8	90.2	1.526	1.550	NO	
16	Total F2 PeCDFs			34.47	1.02730		91.76						
17	Total F1 PeCDFs			36.56	1.02730		0.03						
18													
19	13C-1,2,3,7,8-PeCDD	754448	36.05	36.07	0.72133	0.74739	103.61	3.6	103.6	1.646	1.550	NO	
20	1,2,3,7,8-PeCDD	388673	36.07	36.07	1.03063	1.03035	49.99	-0.0	100.0	1.609	1.550	NO	
21	Total PeCDDs			31.10	1.03063		49.99						
22													
23	13C-1,2,3,7,8,9-HxCDD	930455	42.44	42.42	1.00000	1.00000	100.00	0.0	100.0	1.251	1.240	NO	
24													
25	13C-1,2,3,4,7,8-HxCDF	1003986	41.26	41.25	1.09334	1.07903	98.69	-1.3	98.7	0.512	0.510	NO	
26	1,2,3,4,7,8-HxCDF	581094	41.27	41.27	1.21580	1.15758	47.61	-4.8	95.2	1.253	1.240	NO	
27	1,2,3,6,7,8-HxCDF	717898	41.39	41.39	1.49813	1.43010	47.73	-4.5	95.5	1.323	1.240	NO	
28	2,3,4,6,7,8-HxCDF	601283	41.96	41.97	1.32407	1.19779	45.23	-9.5	90.5	1.261	1.240	NO	
29	1,2,3,7,8,9-HxCDF	553944	42.63	42.62	1.08252	1.10349	50.97	1.9	101.9	1.177	1.240	NO	
30	Total HxCDFs			0.00	1.28013		191.54						
31													
32	13C-1,2,3,6,7,8-HxCDD	923249	42.18	42.17	0.97190	0.99226	102.09	2.1	102.1	1.277	1.240	NO	
33	1,2,3,4,7,8-HxCDD	374438	42.11	42.11	0.86863	0.81113	46.69	-6.6	93.4	1.288	1.240	NO	
34	1,2,3,6,7,8-HxCDD	503622	42.20	42.19	1.15691	1.09098	47.15	-5.7	94.3	1.260	1.240	NO	
35	1,2,3,7,8,9-HxCDD	492990	42.45	42.45	1.02520	1.06795	52.08	4.2	104.2	1.265	1.240	NO	
36	Total HxCDDs			0.00	1.01691		145.93						
37													
38	13C-1,2,3,4,6,7,8-HpCDF	809036	44.06	44.05	0.96489	0.86951	90.11	-9.9	90.1	0.450	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	531099	44.07	44.07	1.37318	1.31292	47.81	-4.4	95.6	1.033	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	422938	45.29	45.28	1.14527	1.04554	45.65	-8.7	91.3	1.033	1.040	NO	
41	Total HpCDFs			0.00	1.25922		93.45						
42													
43	13C-1,2,3,4,6,7,8-HpCDD	706286	44.94	44.92	0.85758	0.75908	88.51	-11.5	88.5	1.102	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	372152	44.95	44.95	1.04888	1.05383	50.24	0.5	100.5	1.079	1.040	NO	
45	Total HpCDDs			0.04	1.04888		50.24						

Dataset: C:\MassLynx\JAN2011.PRO\06SE113D58290E.qld

3D5

Last Altered: Thursday, September 08, 2011 17:33:43 Pacific Daylight Time

Printed: Thursday, September 08, 2011 17:35:17 Pacific Daylight Time

Name: 06SE113D5\_56, Date: 08-Sep-2011, Time: 13:31:51, ID: ST0906E, Description: CS3 11DXN207

#	Name	Response	RT	Pred.RT	RRF M	RRF	Conc	%Dev	%Rec	ActRatio	PreRatio	RatioFL	Mod D
47	13C-OCDD	1110203	47.64	47.63	0.63748	0.59659	187.17	-6.4	93.6	0.931	0.890	NO	
48	OCDF	818804	47.77	47.76	1.50681	1.47505	97.89	-2.1	97.9	0.927	0.890	NO	
49	OCDD	693172	47.65	47.65	1.19407	1.24873	104.58	4.6	104.6	0.953	0.890	NO	
50													
51													
52	Function 1 PFK			28.66									
53	Function 2 PFK			36.91	14411....								
54	Function 3 PFK			41.66									
55	Function 4 PFK			45.71	11038....								
56	Function 5 PFK			49.48	13931....								
57	TCDF PCDPE			23.43	33.291...								
58	F1 PeCDF PCDPE	33	24.53	24.48	89.598...	33.341...	0.37	-62.8	37.2				
59	F2 PeCDF PCDPE	46	38.60	38.58	76.937...	45.667...	0.59	-40.6	59.4				
60	HXCDF PCDPE	33	41.87	41.85	31.075...	33.442...	1.08	7.6	107.6				
61	HPCDF PCDPE	29	45.72	45.69	106.08...	28.779...	0.27	-72.9	27.1				
62	OCDF PCDPE			47.82	234.41...								

Dataset: C:\MassLynx\JAN2011.PRO\06SE113D58290E.qld

3D5

Last Altered: Friday, September 09, 2011 09:02:54 Pacific Daylight Time

Printed: Friday, September 09, 2011 10:04:00 Pacific Daylight Time

Method: C:\MassLynx\JAN2011.PRO\MethDB\82903D5OCDD25.mdb 16 Aug 2011 11:35:50

Calibration: C:\MassLynx\JAN2011.PRO\CurveDB\ICA1027103D58290.cdb 03 Nov 2010 10:34:07

Name: 06SE113D5\_67, Date: 08-Sep-2011, Time: 23:18:26, ID: ST0906F, Description: CS3 11DXN207

#	Name	Response	RT	Pred.RT	RRF.M	RRF	Conc	%Dev	%Rec	ActRatio	PreRatio	RatioFL	Mod.D
1	13C-1,2,3,4-TCDD	932996	27.65	27.65	1.00000	1.00000	100.00	0.0	100.0	0.796	0.770	NO	
2													
3	13C-2,3,7,8-TCDF	1335602	26.95	26.90	1.34741	1.43152	106.24	6.2	106.2	0.798	0.770	NO	
4	2,3,7,8-TCDF	131230	26.97	26.97	1.01573	0.98255	9.67	-3.3	96.7	0.759	0.770	NO	
5	Total TCDFs			21.44	1.01573		9.67						
6													
7	13C-2,3,7,8-TCDD	822978	27.89	27.90	0.85429	0.88208	103.25	3.3	103.3	0.787	0.770	NO	
8	2,3,7,8-TCDD	89826	27.92	27.91	1.10816	1.09148	9.85	-1.5	98.5	0.752	0.770	NO	
9	Total TCDDs			19.55	1.10816		9.85						
10													
11	37CL-2,3,7,8-TCDD	53327	27.92	27.91	0.56553	0.57156	10.11	1.1	101.1				
12													
13	13C-1,2,3,7,8-PeCDF	1096195	33.44	33.42	1.11756	1.17492	105.13	5.1	105.1	1.617	1.550	NO	
14	1,2,3,7,8-PeCDF	538949	33.46	33.47	1.03884	0.98331	47.33	-5.3	94.7	1.538	1.550	NO	
15	2,3,4,7,8-PeCDF	518014	35.17	35.19	1.01576	0.94511	46.52	-7.0	93.0	1.542	1.550	NO	
16	Total F2 PeCDFs			34.47	1.02730		93.85						
17	Total F1 PeCDFs			36.56	1.02730								
18													
19	13C-1,2,3,7,8-PeCDD	717211	36.07	36.09	0.72133	0.76872	106.57	6.6	106.6	1.627	1.550	NO	
20	1,2,3,7,8-PeCDD	372909	36.11	36.09	1.03063	1.03988	50.45	0.9	100.9	1.639	1.550	NO	
21	Total PeCDDs			31.10	1.03063		50.45						
22													
23	13C-1,2,3,7,8,9-HxCDD	803372	42.45	42.42	1.00000	1.00000	100.00	0.0	100.0	1.388	1.240	NO	
24													
25	13C-1,2,3,4,7,8-HxCDF	898194	41.27	41.26	1.09334	1.11803	102.26	2.3	102.3	0.510	0.510	NO	
26	1,2,3,4,7,8-HxCDF	511394	41.28	41.28	1.21580	1.13872	46.83	-6.3	93.7	1.241	1.240	NO	
27	1,2,3,6,7,8-HxCDF	635537	41.41	41.40	1.49813	1.41514	47.23	-5.5	94.5	1.258	1.240	NO	
28	2,3,4,6,7,8-HxCDF	574840	41.97	41.98	1.32407	1.27999	48.34	-3.3	96.7	1.250	1.240	NO	
29	1,2,3,7,8,9-HxCDF	515958	42.64	42.63	1.08252	1.14888	53.07	6.1	106.1	1.266	1.240	NO	
30	Total HxCDFs			0.00	1.28013		195.46						
31													
32	13C-1,2,3,6,7,8-HxCDD	843589	42.19	42.18	0.97190	1.05006	108.04	8.0	108.0	1.284	1.240	NO	
33	1,2,3,4,7,8-HxCDD	331951	42.12	42.13	0.86863	0.78700	45.30	-9.4	90.6	1.259	1.240	NO	
34	1,2,3,6,7,8-HxCDD	456481	42.21	42.21	1.15691	1.08224	46.77	-6.5	93.5	1.280	1.240	NO	
35	1,2,3,7,8,9-HxCDD	431624	42.47	42.47	1.02520	1.02331	49.91	-0.2	99.8	1.261	1.240	NO	
36	Total HxCDDs			0.00	1.01691		141.98						
37													
38	13C-1,2,3,4,6,7,8-HpCDF	874055	44.07	44.06	0.96489	1.08798	112.76	12.8	112.8	0.475	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	549912	44.08	44.08	1.37318	1.25830	45.82	-8.4	91.6	1.016	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	465059	45.30	45.29	1.14527	1.06414	46.46	-7.1	92.9	1.013	1.040	NO	
41	Total HpCDFs			0.00	1.25922		92.28						
42													
43	13C-1,2,3,4,6,7,8-HpCDD	780793	44.95	44.93	0.85758	0.97189	113.33	13.3	113.3	1.085	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	389027	44.96	44.96	1.04888	0.99649	47.50	-5.0	95.0	1.072	1.040	NO	
45	Total HpCDDs			0.05	1.04888		47.50						



Dataset: C:\MassLynx\JAN2011.PRO\06SE113D58290E.qld

3D5

Last Altered: Friday, September 09, 2011 09:02:54 Pacific Daylight Time

Printed: Friday, September 09, 2011 10:04:00 Pacific Daylight Time

Name: 06SE113D5\_67, Date: 08-Sep-2011, Time: 23:18:26, ID: ST0906F, Description: CS3 11DXN207

#	Name	Response	RT	Pred RT	RRF	M	RRF	Conc	%Dev	%Rec	ActRatio	PreRatio	RatioFS	Mod.D
47	13C-OCDD	1247197	47.65	47.64	0.63748		0.77623	243.53	21.8	121.8	0.971	0.890		NO
48	OCDF	913264	47.79	47.77	1.50681		1.46451	97.19	-2.8	97.2	0.891	0.890		NO
49	OCDD	744165	47.66	47.66	1.19407		1.19334	99.94	-0.1	99.9	0.925	0.890		NO
50														
51														
52	Function 1 PFK	10904	28.66	28.66			10904....							
53	Function 2 PFK			36.91	14411....									
54	Function 3 PFK			41.66										
55	Function 4 PFK			45.71	11038....									
56	Function 5 PFK	2424	49.47	49.48	13931....		2423.6...	0.17	-82.6	17.4				
57	TCDF PCDPE	56	23.43	23.43	33.291...		55.543...	1.67	66.8	166.8				
58	F1 PeCDF PCDPE			24.48	89.598...									
59	F2 PeCDF PCDPE			38.58	76.937...									
60	HXCDF PCDPE	242	41.78	41.85	31.075...		241.52...	7.77	677.2	777.2				
61	HPCDF PCDPE			45.69	106.08...									
62	OCDF PCDPE			47.82	234.41...									

## Sample List Report

## MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
 Last Modified: Thursday, September 08, 2011 17:18:23 Pacific Daylight Time  
 Printed: Thursday, September 08, 2011 17:19:37 Pacific Daylight Time

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Page Position (1, 1)

	File Name	File Text	Sample ID	Meth/Matrix	BOX #
1	06SE113D5_1	DB-5 CPSM 3732-15	CPS0906	—	
2	06SE113D5_2	CS3 11DXN207	ST0906	—	
3	06SE113D5_3	Solvent Blank C-14	SB0906	—	
4	06SE113D5_4	G1H260000-077C (483-1LCS) RI 1238077 KSS	ML26V-1-ACC	1613B/Water	83
5	06SE113D5_5	G1H300000-108B (476-1MB) 1242108 KSS	ML49N-1-AAB	8290/Water	EPA17
6	06SE113D5_6	G1H160476-1 1242108 KSS	MLPQF-1-AA	8290/Water	EPA17
7	06SE113D5_7	G1H160476-1MS 1242108 KSS	MLPQF-1-ACS	8290/Water	EPA17
8	06SE113D5_8	G1H160476-1SD 1242108 KSS	MLPQF-1-ADD	8290/Water	EPA17
9	06SE113D5_9	G1H160476-2 1242108 KSS	MLPQH-1-AA	8290/Water	EPA17
10	06SE113D5_10	G1H160476-3 1242108 KSS	MLPQJ-1-AA	8290/Water	EPA17
11	06SE113D5_11	G1H300000-108C (476-1LCS) 1242108 KSS	ML49N-1-ACC	8290/Water	EPA17
12	06SE113D5_12	CS3 11DXN207	ST0906A	—	
13	06SE113D5_13	DB-5 CPSM 3732-15	CPS0906A	—	
14	06SE113D5_14	Solvent Blank C-14	SB0906A	—	
15	06SE113D5_15	G1I010000-85B (240467-1MB) 1244085	ML64P-1-AAB	1613B/Water	86
16	06SE113D5_16	G1I010000-85C (240467-1LCS) 1244085	ML64P-1-ACC	1613B/Water	86
17	06SE113D5_17	G1I010000-85L (240467-1DCS) 1244085	ML64P-1-ADL	1613B/Water	86
18	06SE113D5_18	G1H130417-14 1237137	MLMHV-1-AC	8290/Solid	81
19	06SE113D5_19	G1H130417-15 1237137	MLMHX-1-AC	8290/Solid	81
20	06SE113D5_20	G1H130417-16 1237137	MLMH0-1-AC	8290/Solid	81
21	06SE113D5_21	G1H130417-17 1237137	MLMH1-1-AC	8290/Solid	81
22	06SE113D5_22	Solvent Blank C-14	SB0906B	—	
23	06SE113D5_23	CS3 11DXN207	ST0906B	—	
24	06SE113D5_24	DB-5 CPSM 3732-15	CPS0906B	—	
25	06SE113D5_25	G1H240411-2MB 1242102	ML47T-1-AA	8290/Waste	EPA17
26	06SE113D5_26	G1H310000-44B 1243044 DBLK01, MG	ML51L-1-AA	1613B/Water	EPA17
27	06SE113D5_27	G1H310000-44C 1243044 DLCS01, MG	ML51L-1-AC	1613B/Water	EPA17
28	06SE113D5_28	G1H190475-1 1244086	MLVGD-1-AA	1613B/Water	86
29	06SE113D5_29	G1H170477-1 1243044 D6GW8, MG	MLQ7V-1-AA	1613B/Water	EPA17
30	06SE113D5_30	G1H170477-2 1243044 D6GX2, MG	MLQ7W-1-AA	1613B/Water	EPA17
31	06SE113D5_31	G1H170477-3 1243044 D6GX5, MG	MLQ70-1-AA	1613B/Water	EPA17
32	06SE113D5_32	G1H170477-4 1243044 D6GX7, MG	MLQ75-1-AA	1613B/Water	EPA17
33	06SE113D5_33	G1H240411-2LCS 1242102	ML47T-1-AC	8290/Waste	EPA17
34	06SE113D5_34	CS3 11DXN207	ST0906C	—	
35	06SE113D5_35	DB-5 CPSM 3732-15	CPS0906C	—	
36	06SE113D5_36	Solvent Blank C-14	SB0906D	—	
37	06SE113D5_37	G1H170477-5 1243044 D6GX9, MG	MLQ76-1-AA	1613B/Water	EPA17
38	06SE113D5_38	G1H170477-6 1243044 D6GY0, MG	MLQ77-1-AA	1613B/Water	EPA17
39	06SE113D5_39	G1H170477-7 1243044 D6GY2, MG	MLQ78-1-AA	1613B/Water	EPA17
40	06SE113D5_40	G1H170477-8 1243044 D6GX1, MG	MLQ8A-1-AA	1613B/Water	EPA17
41	06SE113D5_41	G1H170477-9 1243044 D6GX3, MG	MLW3X-1-AA	1613B/Water	EPA17
42	06SE113D5_42	G1H170477-10 1243044 D6GX4, MG	MLW4D-1-AA	1613B/Water	EPA17
43	06SE113D5_43	G1H170477-11 1243044 D6GX6, MG	MLW4E-1-AA	1613B/Water	EPA17
44	06SE113D5_44	Solvent Blank C-14	SB0906E	—	
45	06SE113D5_45	CS3 11DXN207	ST0906D	—	
46	06SE113D5_46	DB-5 CPSM 3732-15	CPS0906D	—	
47	06SE113D5_47	G1I020000-140B 1245140	ML79J-1-AA	8290/Solid	82
48	06SE113D5_48	G1H170477-12 1243044 D6GY1, MG	MLW4F-1-AA	1613B/Water	EPA17
49	06SE113D5_49	G1H170477-13 1243044 D6GY3, MG	MLW4G-1-AA	1613B/Water	EPA17
50	06SE113D5_50	G1H240411-1 1242111	ML0DG-1-AA	8290/Water	EPA17
51	06SE113D5_51	G1I010458-1 1245140	ML699-1-AC	8290/Solid	82
52	06SE113D5_52	G1I010460-1 1245140	ML7AF-1-AD	8290/Solid	82
53	06SE113D5_53	G1I010460-1S 1245140	ML7AF-1-AE	8290/Solid	82
54	06SE113D5_54	G1I010460-1D 1245140	ML7AF-1-AF	8290/Solid	82
55	06SE113D5_55	G1I020000-140C 1245140	ML79J-1-AC	8290/Solid	82
56	06SE113D5_56	CS3 11DXN207	ST0906E	—	
57	06SE113D5_57	DB-5 CPSM 3732-15	CPS0906E	—	
58	06SE113D5_58	G1H250000-97B 1237097	ML129-1-AA	23/Air	84

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
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File Name	File Text	Sample ID	Meth/Matrix	BOX #
59 06SE113D5_59	G1I010460-1 1245140	ML7AF-1-AD	8290/Solid	82
60 06SE113D5_60	G1I010458-1 1245140	ML699-1-AC	8290/Solid	82
61 06SE113D5_61	G1H240411-1 (10x) 1242111	ML0DG-1-AA	8290A/Water	EPA17
62 06SE113D5_62	G1H250000-97C 1237097	ML129-1-AC	23/Air	84
63 06SE113D5_63	G1H190487-1 1237097	MLVKL-1-AA	23/Air	84
64 06SE113D5_64	G1H190487-2 1237097	MLVKM-1-AA	23/Air	84
65 06SE113D5_65	G1H190487-3 1237097	MLVKN-1-AA	23/Air	84
66 06SE113D5_66	Solvent Blank C-14	SB0906F	---	
67 06SE113D5_67	CS3 11DXN207	ST0906F	---	
68 06SE113D5_68	DB-5 CPSM 3732-15	CPS0906F	---	
69 06SE113D5_69	Solvent Blank C-14	SB0906G	---	
70 06SE113D5_70	G1H230495-1 1237097	MLX5J-1-AA	23/Air	84
71 06SE113D5_71	G1H230495-2 1237097	MLX5K-1-AA	23/Air	84
72 06SE113D5_72	G1H230495-3 1237097	MLX5L-1-AA	23/Air	84
73 06SE113D5_73	G1H230495-4 1237097	MLX5M-1-AA	23/Air	84
74 06SE113D5_74	G1H230495-5 1237097	MLX5N-1-AA	23/Air	84
75 06SE113D5_75	G1H230495-6 1237097	MLX5P-1-AA	23/Air	84
76 06SE113D5_76	G1H230495-7 1237097	MLX5Q-1-AA	23/Air	84
77 06SE113D5_77	Solvent Blank C-14	SB0906H	---	
78 06SE113D5_78	CS3 11DXN207	ST0906G	---	
79 06SE113D5_79	DB-5 CPSM 3732-15	CPS0906G	---	
80 06SE113D5_80	Solvent Blank C-14	SB0906I	---	
81 06SE113D5_81	G1H240411-2 1242102	ML0DJ-1-AA	8290/Waste	EPA17
82 06SE113D5_82	G1H240411-3 1242102	ML0DK-1-AA	8290/Waste	EPA17

reviewed  
to  
#78  
by ms  
9/9/11

## Sample List Report

## MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
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Sample Size	Bottle	Units	FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:4	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:5	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.011960	Tray1:6	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.008870	Tray1:7	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.015670	Tray1:8	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.005420	Tray1:9	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.011970	Tray1:10	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:11	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:12	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:13	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:14	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.040000	Tray1:15	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.430000	Tray1:16	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.060000	Tray1:17	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.220000	Tray1:18	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.100000	Tray1:19	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:20	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:21	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.017300	Tray1:22	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:23	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.044100	Tray1:24	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.035770	Tray1:25	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.030990	Tray1:26	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.100000	Tray1:27	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.033180	Tray1:28	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.041200	Tray1:29	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.048310	Tray1:30	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.052460	Tray1:31	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.034250	Tray1:32	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.042900	Tray1:33	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.038600	Tray1:34	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.000000	Tray1:39	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.038200	Tray1:35	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.058600	Tray1:36	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.512560	Tray1:45	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
5.770000	Tray1:41	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.810000	Tray1:42	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.850000	Tray1:43	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.380000	Tray1:44	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.000000	Tray1:40	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.500000	Tray1:46	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
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Sample Size	Bottle	Units	FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Ini File	ConA	ConB	ConC
10.810000	Tray1:42	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
5.770000	Tray1:41	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.512560	Tray1:48	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:47	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:49	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:50	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:51	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:2	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:52	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:53	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:54	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:55	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:56	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:57	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:58	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:2	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.100000	Tray1:37	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.102000	Tray1:38	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL

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ConD	ConE	ConF	ConG	Process	Process Options	Action On Error
---	---	---	---	---	---	---
100	200	10	100	---	---	---
---	---	---	---	---	---	---
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
---	---	---	---	---	---	---
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
---	---	---	---	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
---	---	---	---	---	---	---
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
---	---	---	---	---	---	---
2000	4000	2000	2000	---	---	---

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
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ConD	ConE	ConF	ConG	Process	Process Options	Action On Error
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
---	---	---	---	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
---	---	---	---	---	---	---
---	---	---	---	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
---	---	---	---	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
---	---	---	---	---	---	---
---	---	---	---	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---

## Sample List Report

## MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL

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File Name	File Text	Sample ID	Meth/Matrix	BOX #	
1	06SE113D5_1	DB-5 CPSM 3732-15	CPS0906	---	
2	06SE113D5_2	CS3 11DXN207	ST0906	---	
3	06SE113D5_3	Solvent Blank C-14	SB0906	---	
4	06SE113D5_4	G1H260000-077C (483-1LCS) RI 1238077 KSS	ML26V-1-ACC	1613B/Water	83
5	06SE113D5_5	G1H300000-108B (476-1MB) 1242108 KSS	ML49N-1-AAB	8290/Water	EPA17
6	06SE113D5_6	G1H160476-1 1242108 KSS	MLPQF-1-AA	8290/Water	EPA17
7	06SE113D5_7	G1H160476-1MS 1242108 KSS	MLPQF-1-ACS	8290/Water	EPA17
8	06SE113D5_8	G1H160476-1SD 1242108 KSS	MLPQF-1-ADD	8290/Water	EPA17
9	06SE113D5_9	G1H160476-2 1242108 KSS	MLPQH-1-AA	8290/Water	EPA17
10	06SE113D5_10	G1H160476-3 1242108 KSS	MLPQJ-1-AA	8290/Water	EPA17
11	06SE113D5_11	G1H300000-108C (476-1LCS) 1242108 KSS	ML49N-1-ACC	8290/Water	EPA17
12	06SE113D5_12	CS3 11DXN207	ST0906A	---	
13	06SE113D5_13	DB-5 CPSM 3732-15	CPS0906A	---	
14	06SE113D5_14	Solvent Blank C-14	SB0906A	---	
15	06SE113D5_15	G1I010000-85B (240467-1MB) 1244085	ML64P-1-AAB	1613B/Water	86
16	06SE113D5_16	G1I010000-85C (240467-1LCS) 1244085	ML64P-1-ACC	1613B/Water	86
17	06SE113D5_17	G1I010000-85L (240467-1DCS) 1244085	ML64P-1-ADL	1613B/Water	86
18	06SE113D5_18	G1H130417-14 1237137	MLMHW-1-AC	8290/Solid	81
19	06SE113D5_19	G1H130417-15 1237137	MLMHX-1-AC	8290/Solid	81
20	06SE113D5_20	G1H130417-16 1237137	MLMH0-1-AC	8290/Solid	81
21	06SE113D5_21	G1H130417-17 1237137	MLMH1-1-AC	8290/Solid	81
22	06SE113D5_22	Solvent Blank C-14	SB0906B	---	
23	06SE113D5_23	CS3 11DXN207	ST0906B	---	
24	06SE113D5_24	DB-5 CPSM 3732-15	CPS0906B	---	
25	06SE113D5_25	G1H240411-2MB 1242102	ML47T-1-AA	8290/Waste	EPA17
26	06SE113D5_26	G1H310000-44B 1243044 DBLK01, MG	ML51L-1-AA	1613B/Water	EPA17
27	06SE113D5_27	G1H310000-44C 1243044 DLCS01, MG	ML51L-1-AC	1613B/Water	EPA17
28	06SE113D5_28	G1H190475-1 1244086	MLVGD-1-AA	1613B/Water	86
29	06SE113D5_29	G1H170477-1 1243044 D6GW8, MG	MLQ7V-1-AA	1613B/Water	EPA17
30	06SE113D5_30	G1H170477-2 1243044 D6GX2, MG	MLQ7W-1-AA	1613B/Water	EPA17
31	06SE113D5_31	G1H170477-3 1243044 D6GX5, MG	MLQ70-1-AA	1613B/Water	EPA17
32	06SE113D5_32	G1H170477-4 1243044 D6GX7, MG	MLQ75-1-AA	1613B/Water	EPA17
33	06SE113D5_33	G1H240411-2LCS 1242102	ML47T-1-AC	8290/Waste	EPA17
34	06SE113D5_34	CS3 11DXN207	ST0906C	---	
35	06SE113D5_35	DB-5 CPSM 3732-15	CPS0906C	---	
36	06SE113D5_36	Solvent Blank C-14	SB0906D	---	
37	06SE113D5_37	G1H170477-5 1243044 D6GX9, MG	MLQ76-1-AA	1613B/Water	EPA17
38	06SE113D5_38	G1H170477-6 1243044 D6GY0, MG	MLQ77-1-AA	1613B/Water	EPA17
39	06SE113D5_39	G1H170477-7 1243044 D6GY2, MG	MLQ78-1-AA	1613B/Water	EPA17
40	06SE113D5_40	G1H170477-8 1243044 D6GX1, MG	MLQ8A-1-AA	1613B/Water	EPA17
41	06SE113D5_41	G1H170477-9 1243044 D6GX3, MG	MLW3X-1-AA	1613B/Water	EPA17
42	06SE113D5_42	G1H170477-10 1243044 D6GX4, MG	MLW4D-1-AA	1613B/Water	EPA17
43	06SE113D5_43	G1H170477-11 1243044 D6GX6, MG	MLW4E-1-AA	1613B/Water	EPA17
44	06SE113D5_44	Solvent Blank C-14	SB0906E	---	
45	06SE113D5_45	CS3 11DXN207	ST0906D	---	
46	06SE113D5_46	DB-5 CPSM 3732-15	CPS0906D	---	
47	06SE113D5_47	G1I020000-140B 1245140	ML79J-1-AA	8290/Solid	82
48	06SE113D5_48	G1H170477-12 1243044 D6GY1, MG	MLW4F-1-AA	1613B/Water	EPA17
49	06SE113D5_49	G1H170477-13 1243044 D6GY3, MG	MLW4G-1-AA	1613B/Water	EPA17
50	06SE113D5_50	G1H240411-1 1242111	MLODG-1-AA	8290A/Water	EPA17
51	06SE113D5_51	G1I010458-1 1245140	ML699-1-AC	8290/Solid	82
52	06SE113D5_52	G1I010460-1 1245140	ML7AF-1-AD	8290/Solid	82
53	06SE113D5_53	G1I010460-1S 1245140	ML7AF-1-AE	8290/Solid	82
54	06SE113D5_54	G1I010460-1D 1245140	ML7AF-1-AF	8290/Solid	82
55	06SE113D5_55	G1I020000-140C 1245140	ML79J-1-AC	8290/Solid	82
56	06SE113D5_56	CS3 11DXN207	ST0906E	---	
57	06SE113D5_57	DB-5 CPSM 3732-15	CPS0906E	---	
58	06SE113D5_58	G1H250000-97B 1237097	ML129-1-AA	23/Air	84



## Sample List Report

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File Name	File Text	Sample ID	Meth/Matrix	BOX #
59 06SE113D5_59	G1I010460-1 1245140	ML7AF-1-AD	8290/Solid	82
60 06SE113D5_60	G1I010458-1 1245140	ML699-1-AC	8290/Solid	82
61 06SE113D5_61	G1H240411-1 (10x) 1242111	ML0DG-1-AA	8290A/Water	EPA17
62 06SE113D5_62	G1H250000-97C 1237097	ML129-1-AC	23/Air	84
63 06SE113D5_63	G1H190487-1 1237097	MLVKL-1-AA	23/Air	84
64 06SE113D5_64	G1H190487-2 1237097	MLVKM-1-AA	23/Air	84
65 06SE113D5_65	G1H190487-3 1237097	MLVKN-1-AA	23/Air	84
66 06SE113D5_66	Solvent Blank C-14	SB0906F	—	
67 06SE113D5_67	CS3 11DXN207	ST0906F	—	
68 06SE113D5_68	DB-5 CPSM 3732-15	CPS0906F	—	
69 06SE113D5_69	Solvent Blank C-14	SB0906G	—	
70 06SE113D5_70	G1H230495-1 1237097	MLX5J-1-AA	23/Air	84
71 06SE113D5_71	G1H230495-2 1237097	MLX5K-1-AA	23/Air	84
72 06SE113D5_72	G1H230495-3 1237097	MLX5L-1-AA	23/Air	84
73 06SE113D5_73	G1H230495-4 1237097	MLX5M-1-AA	23/Air	84
74 06SE113D5_74	G1H230495-5 1237097	MLX5N-1-AA	23/Air	84
75 06SE113D5_75	G1H230495-6 1237097	MLX5P-1-AA	23/Air	84
76 06SE113D5_76	G1H230495-7 1237097	MLX5Q-1-AA	23/Air	84
77 06SE113D5_77	Solvent Blank C-14	SB0906H	—	
78 06SE113D5_78	CS3 11DXN207	ST0906G	—	
79 06SE113D5_79	DB-5 CPSM 3732-15	CPS0906G	—	
80 06SE113D5_80	Solvent Blank C-14	SB0906I	—	
81 06SE113D5_81	G1H240411-2 1242102	ML0DJ-1-AA	8290/Waste	EPA17
82 06SE113D5_82	G1H240411-3 1242102	ML0DK-1-AA	8290/Waste	EPA17

reviewed  
to  
#78  
by ms  
9/9/11

## Sample List Report

## MassLynx 4.1

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Sample Size	Bottle	Units	FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:4	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:5	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.011960	Tray1:6	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.008870	Tray1:7	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.015670	Tray1:8	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.005420	Tray1:9	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.011970	Tray1:10	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:11	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:12	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:13	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:14	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.040000	Tray1:15	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.430000	Tray1:16	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.060000	Tray1:17	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.220000	Tray1:18	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.100000	Tray1:19	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:20	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:21	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.017300	Tray1:22	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:23	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.044100	Tray1:24	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.035770	Tray1:25	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.030990	Tray1:26	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.100000	Tray1:27	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.033180	Tray1:28	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.041200	Tray1:29	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.048310	Tray1:30	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.052460	Tray1:31	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.034250	Tray1:32	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.042900	Tray1:33	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.038600	Tray1:34	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.000000	Tray1:39	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.038200	Tray1:35	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.058600	Tray1:36	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.512560	Tray1:45	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
5.770000	Tray1:41	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.810000	Tray1:42	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.850000	Tray1:43	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.380000	Tray1:44	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.000000	Tray1:40	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.500000	Tray1:46	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---

## Sample List Report

## MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
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Sample Size	Bottle	Units	FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC
10.810000	Tray1:42	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
5.770000	Tray1:41	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.512560	Tray1:48	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.500000	Tray1:47	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.500000	Tray1:49	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.500000	Tray1:50	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.500000	Tray1:51	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
1.000000	Tray1:3	—	—	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
1.000000	Tray1:2	—	—	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	—	—	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
1.000000	Tray1:3	—	—	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.500000	Tray1:52	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.500000	Tray1:53	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.500000	Tray1:54	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.500000	Tray1:55	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.500000	Tray1:56	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.500000	Tray1:57	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.500000	Tray1:58	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
1.000000	Tray1:3	—	—	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
1.000000	Tray1:2	—	—	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	—	—	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
1.000000	Tray1:3	—	—	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.100000	Tray1:37	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—
0.102000	Tray1:38	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	—	—	—

## Sample List Report

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ConD	ConE	ConF	ConG	Process	Process Options	Action On Error
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100	200	10	100	--	--	--
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2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL

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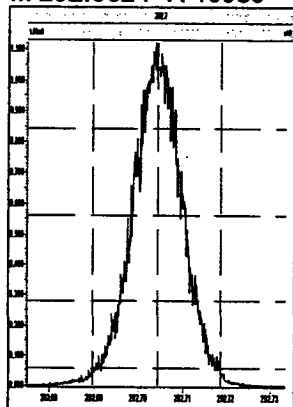
Last Modified: Thursday, September 08, 2011 17:18:23 Pacific Daylight Time

Printed: Thursday, September 08, 2011 17:19:37 Pacific Daylight Time

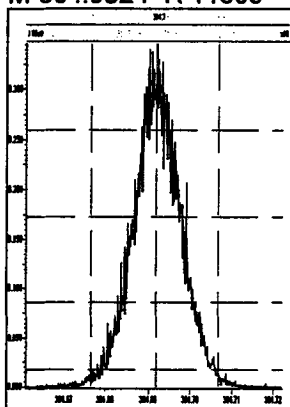
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2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	2000	2000	---	---	---
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2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
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100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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---	---	---	---	---	---	---
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2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
---	---	---	---	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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2000	4000	800	2000	---	---	---

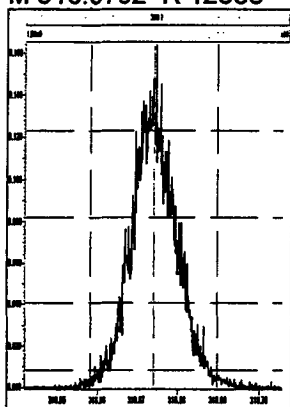
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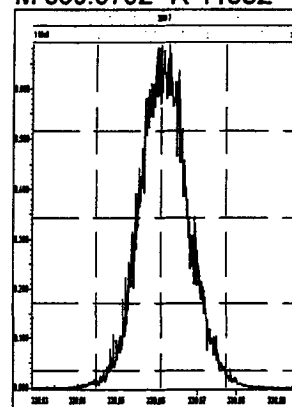
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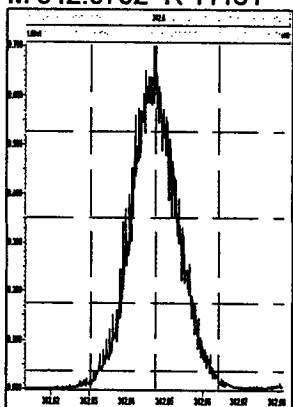
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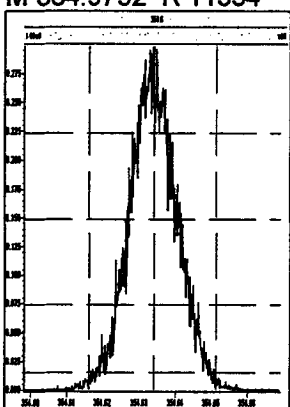
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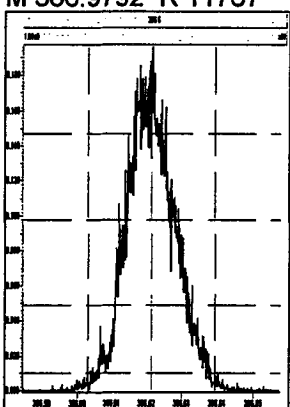
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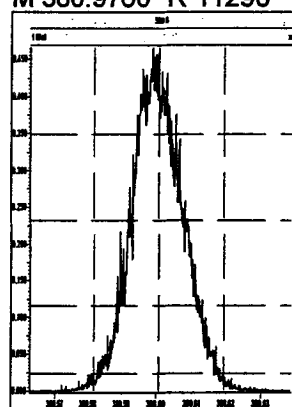
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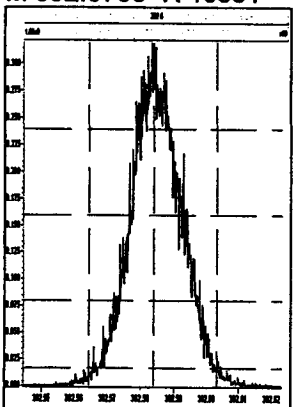
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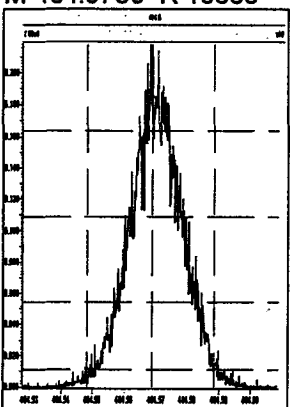
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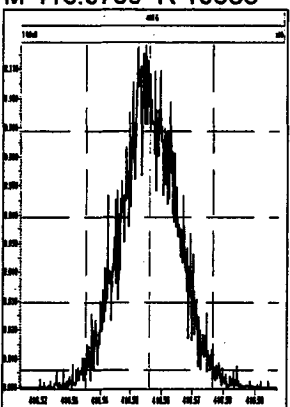
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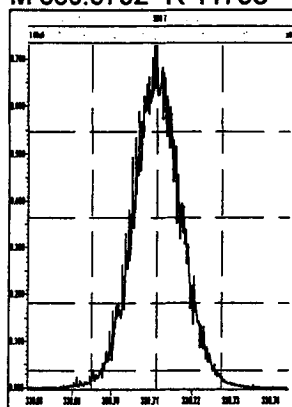
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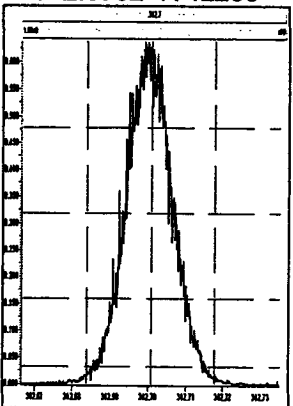
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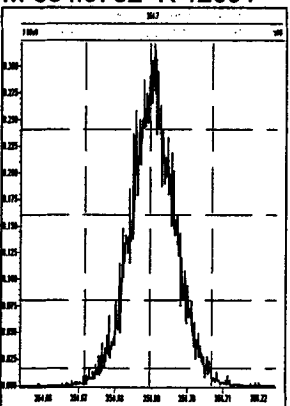
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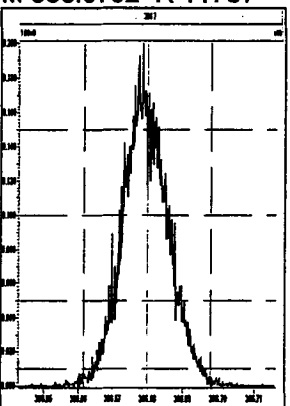
M 342.9792 R 12285



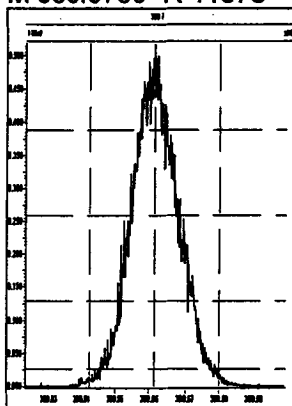
M 354.9792 R 12091



M 366.9792 R 11737

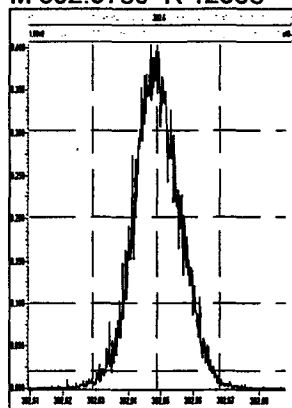


M 380.9760 R 11878

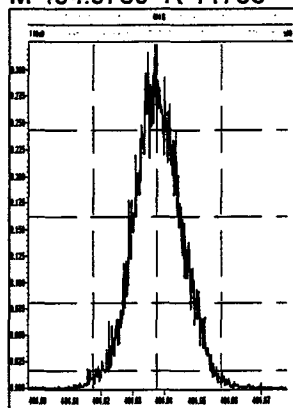


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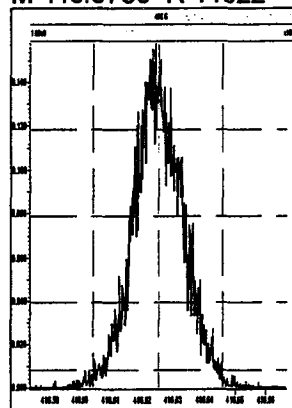
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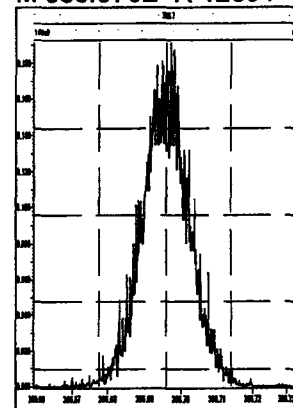
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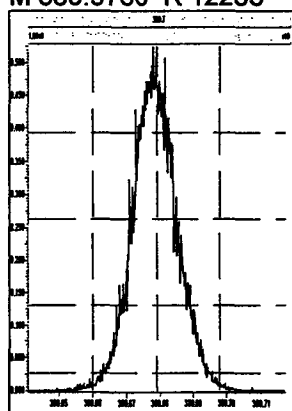
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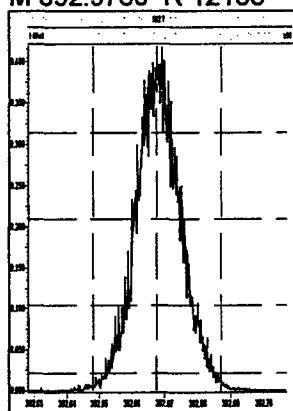
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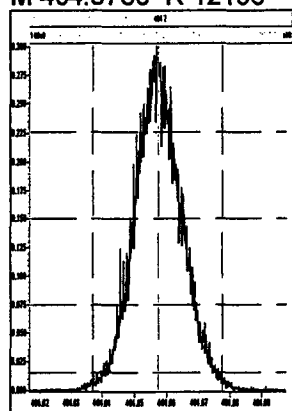
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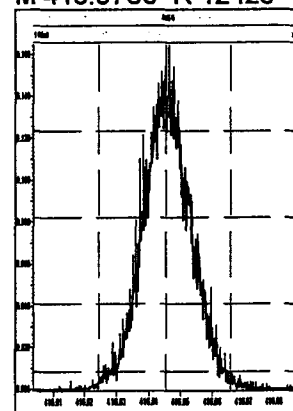
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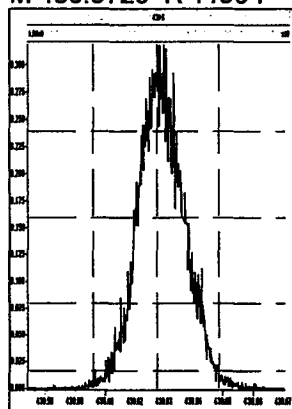
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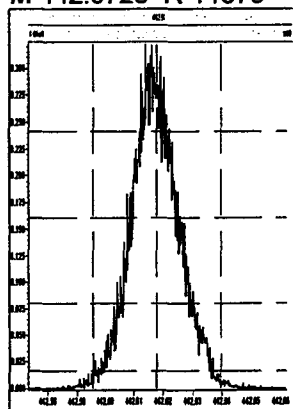
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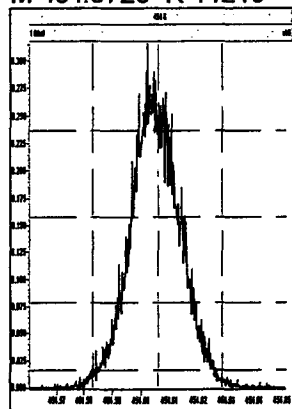
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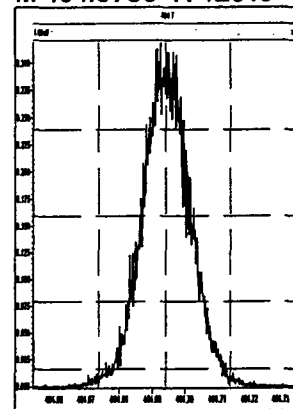
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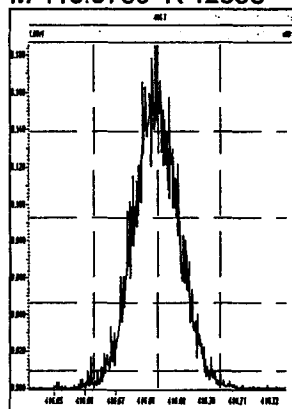
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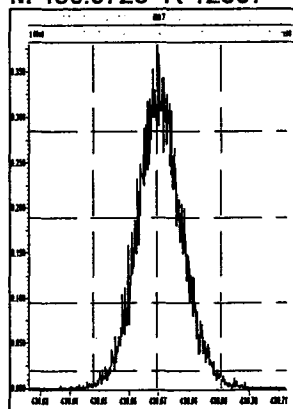
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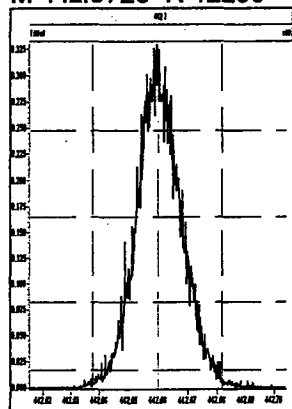
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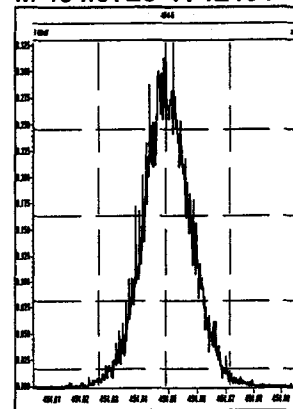
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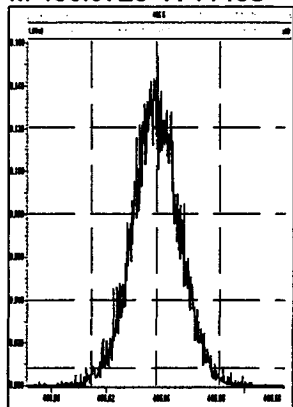
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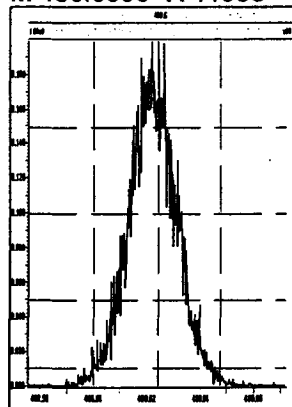
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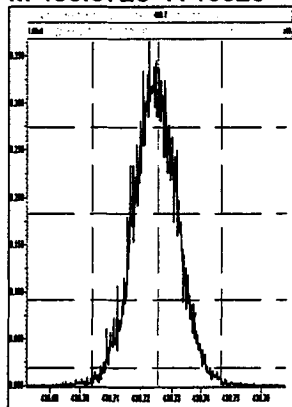
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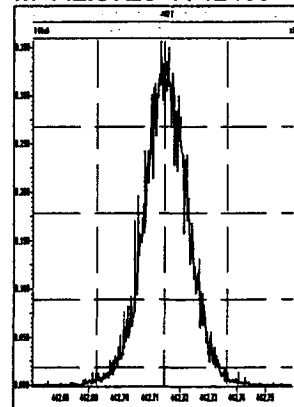
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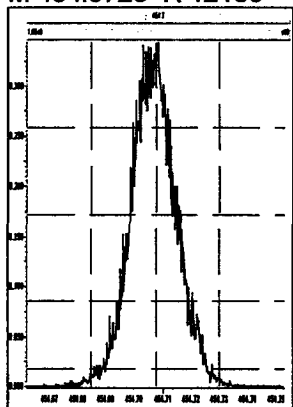
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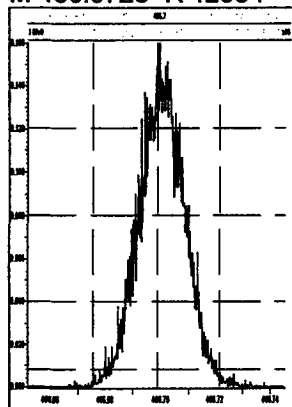
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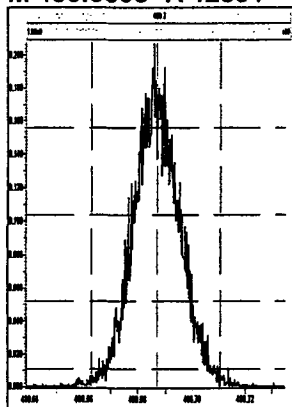
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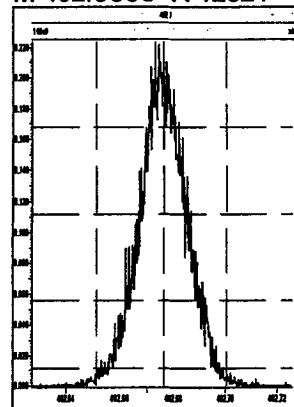
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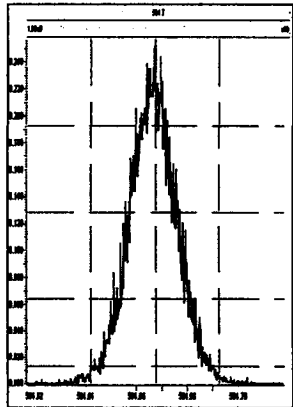
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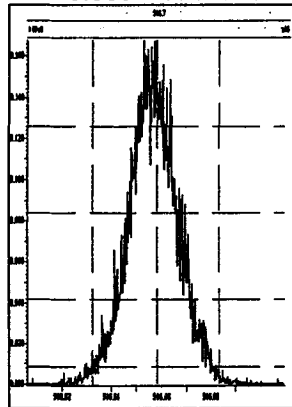
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M 504.9696 R 12107



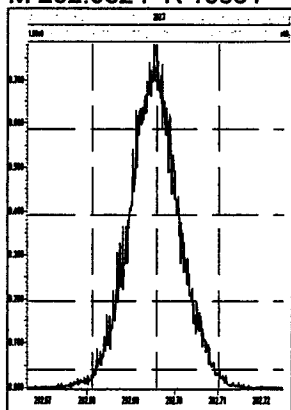
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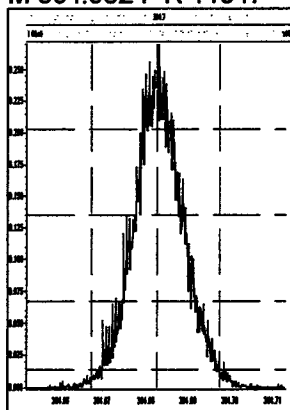


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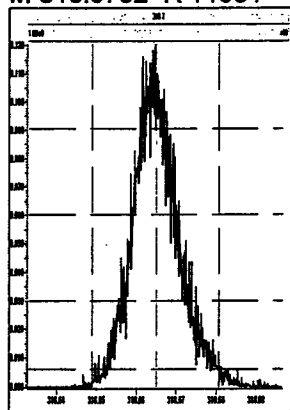
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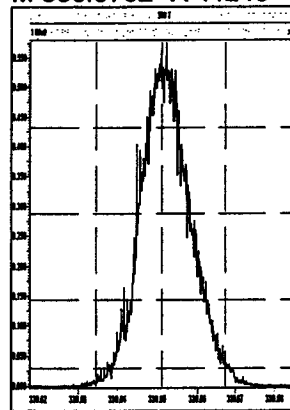
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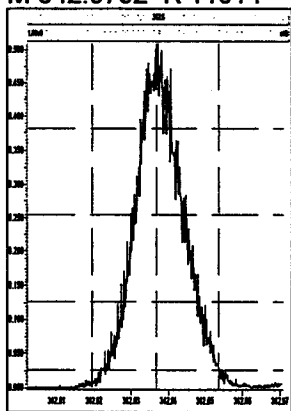
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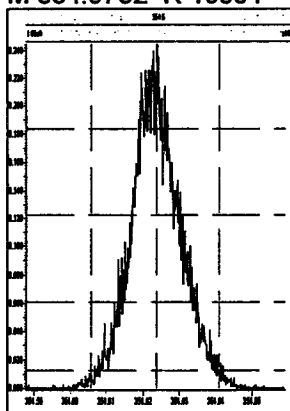
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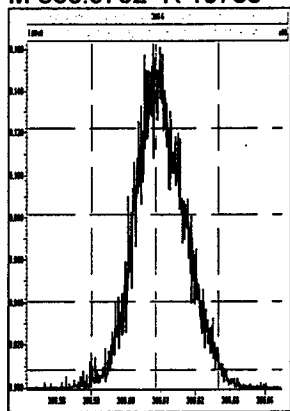
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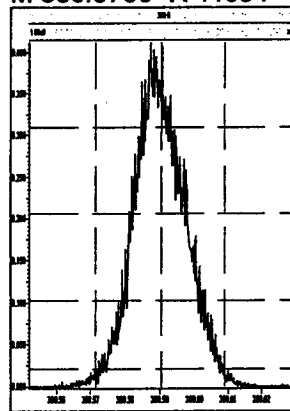
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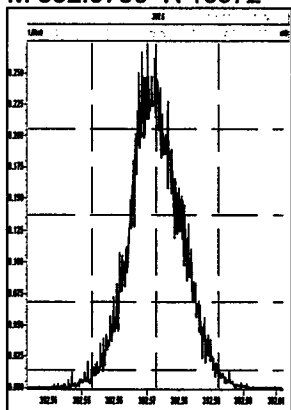
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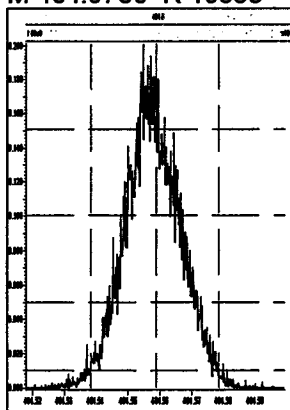
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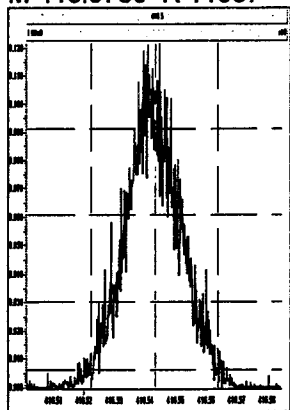
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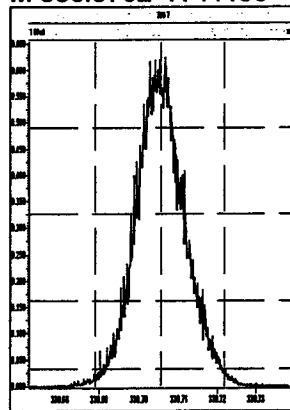
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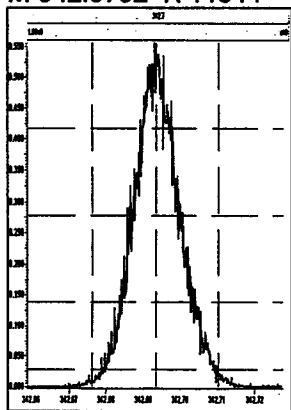
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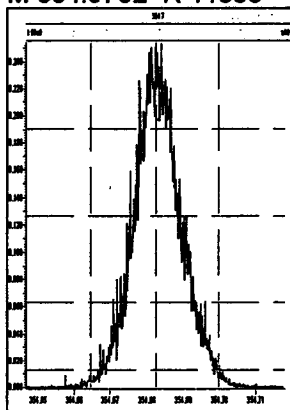
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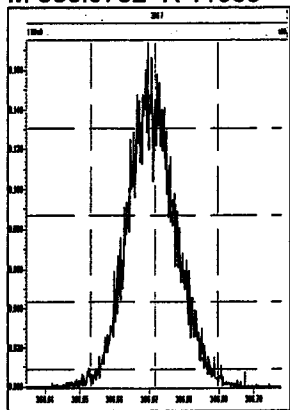
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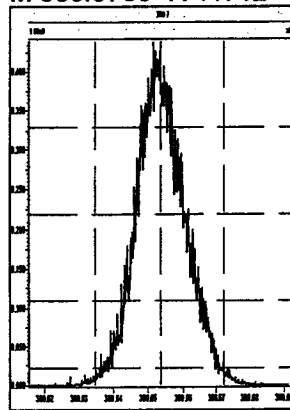
M 354.9792 R 11565



M 366.9792 R 11685

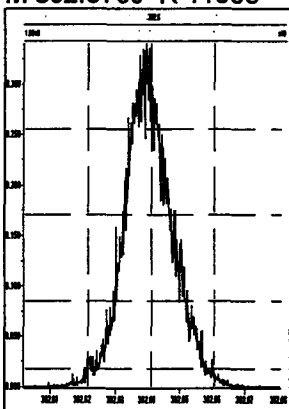


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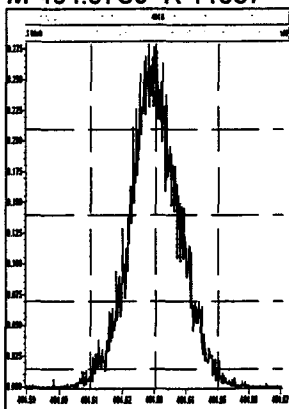


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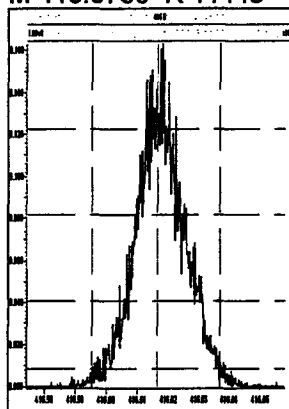
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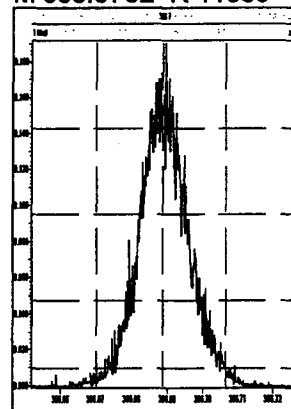
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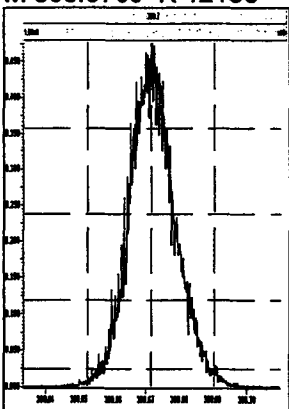
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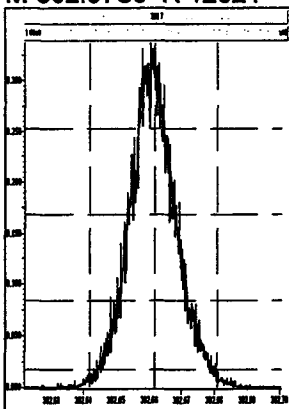
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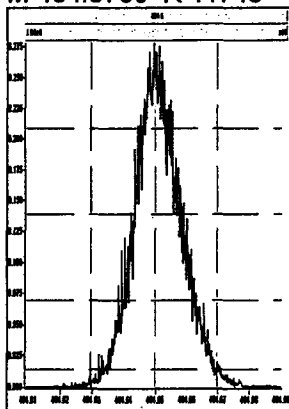
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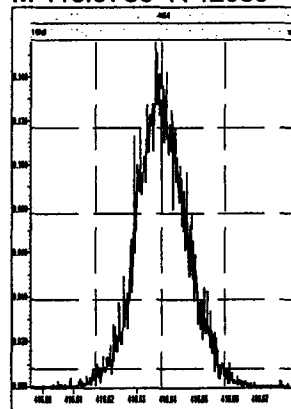
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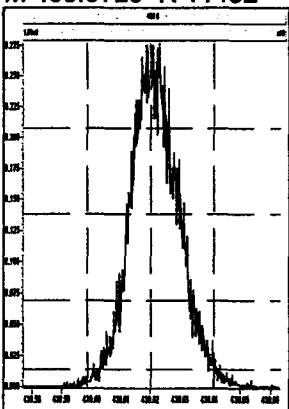
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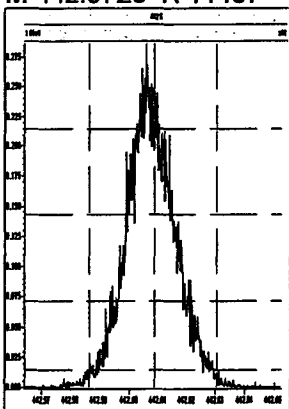
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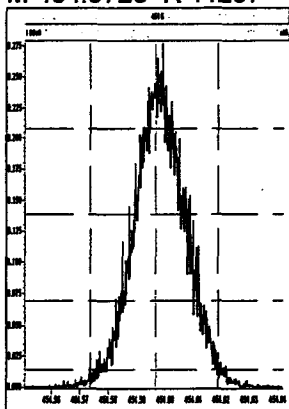
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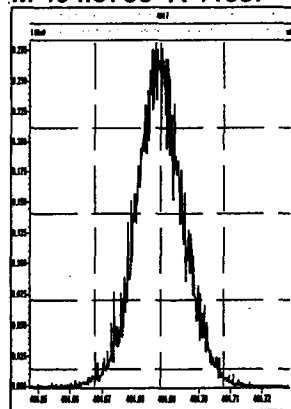
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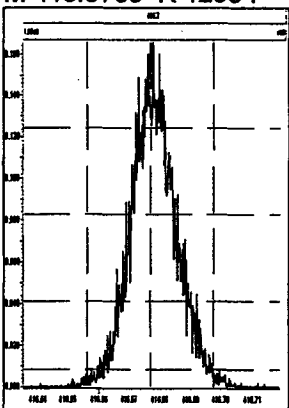
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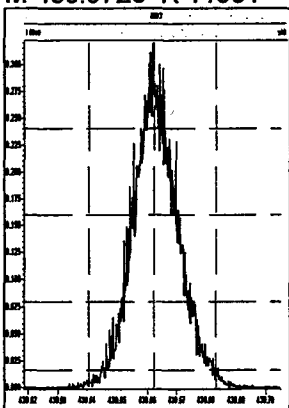
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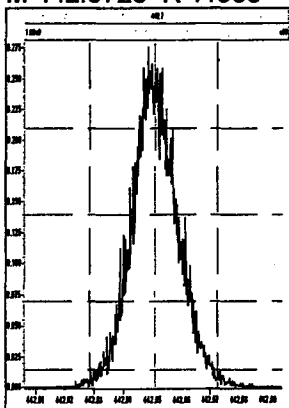
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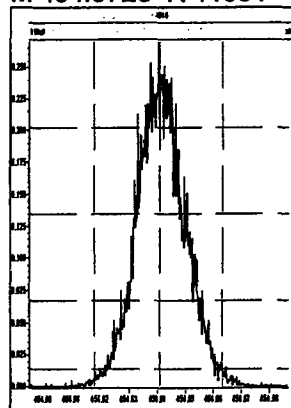
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M 442.9728 R 11966

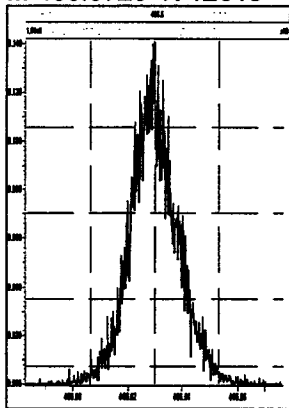


M 454.9728 R 11504

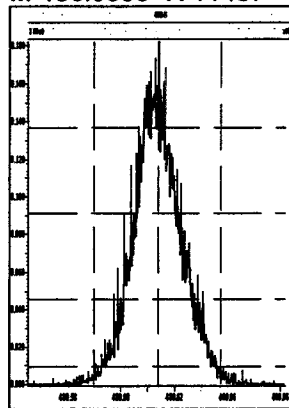


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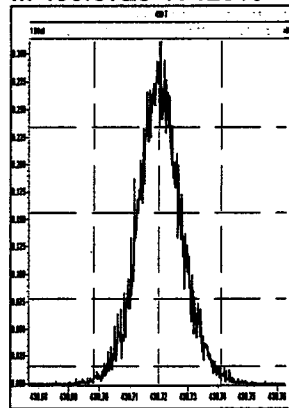
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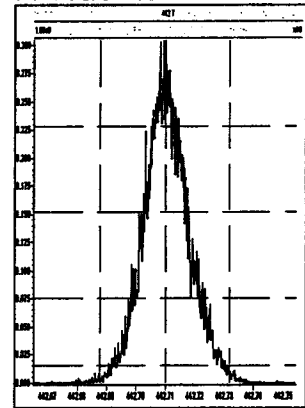
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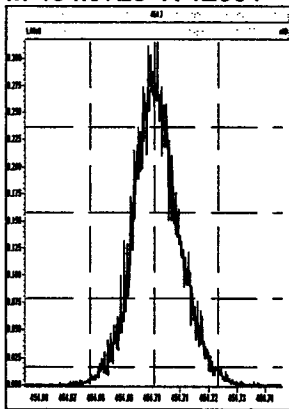
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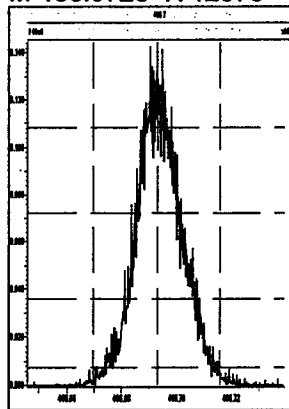
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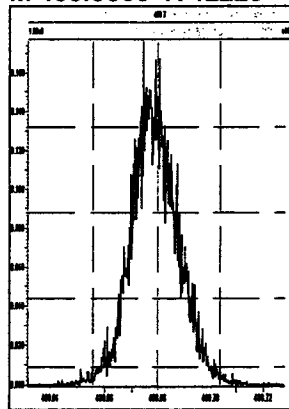
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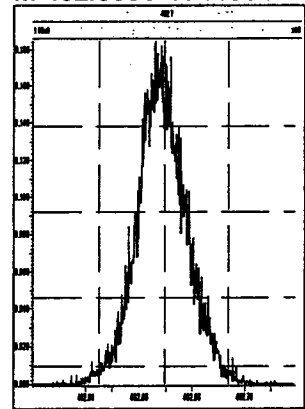
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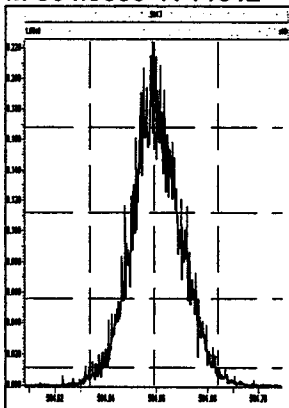
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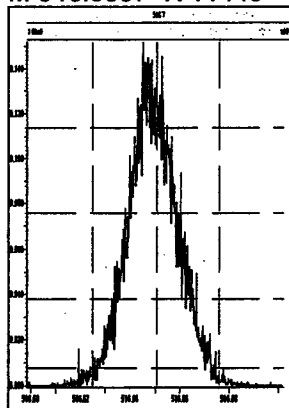
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M 504.9696 R 11312



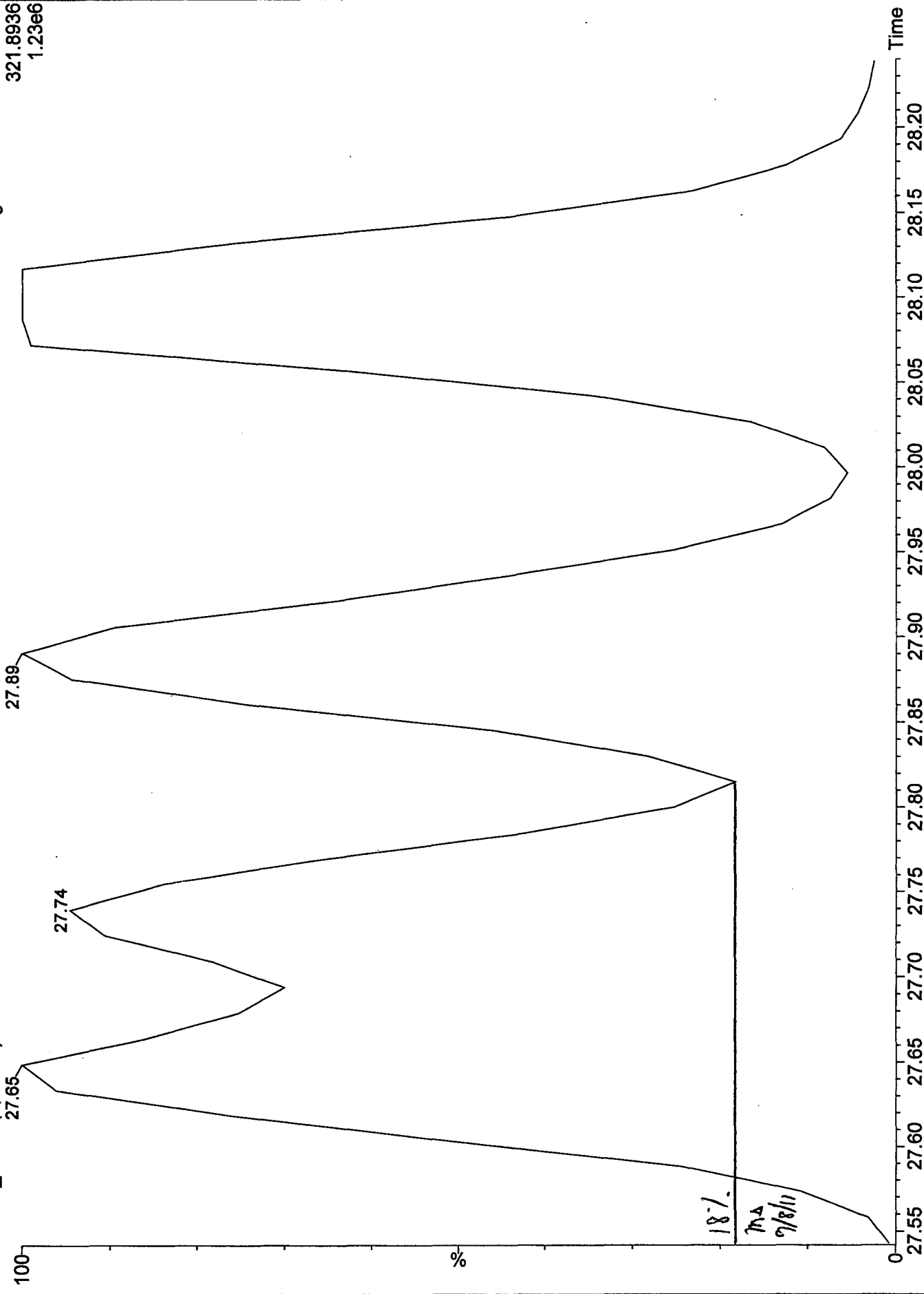
M 516.9697 R 11446



DB-5 CPSM 3732-1514:33:1508-Sep-2011Tray1:1

06SE113D5\_57 Sb (1,10.00 )

1: Voltage SIR 15 Channels EI+  
321.8936  
1.23e6



18%  
77.4  
9/8/11

Method ID 8290, 8290A

Column ID DB5

STD ID ST0906D, ST0906E

Analyzed by K.S.S

Std. Pkg. By M.G.

Std. Pkg. Reviewed By VS

Associated ICAL ICAL027103058290

Instrument ID 305

STD Solution 11DXN207

Date Analyzed 9/8/11

Date Std. Pkg. Assembled 9/9/11

Date Std. Pkg. Reviewed 9.9.11

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley $\leq$ method specified limits?*	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for all 1613B samples)	NA	NA

COMMENTS: \_\_\_\_\_

\* Method 8290/TO9/M0023A: (beginning)  $\leq$  20% from curve RRFs for native analytes,  $\leq$  30% from curve RRFs for labeled compounds.  
 Method 8290/TO9/M0023A: (ending)  $\leq$  25% from curve RRFs for native analytes,  $\leq$  35% from curve RRFs for labeled compounds.  
 Method 23: See Method 23 Daily Standard Criteria, Table 5.  
 Method 1613B: See, Method 1613B or Method 1613B Tetras Daily Standard Criteria,  
 \*\* Method 23/0023A CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the smallest peak of the triplet  
 Method 1613B/8290/TO9 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

Dataset: C:\MassLynx\JAN2011.PRO\06SE113D58290D.qld

3D5

Last Altered: Thursday, September 08, 2011 14:23:06 Pacific Daylight Time  
 Printed: Thursday, September 08, 2011 14:25:13 Pacific Daylight Time

Method: C:\MassLynx\JAN2011.PRO\MethDB\82903D5OCDD25.mdb 16 Aug 2011 11:35:50  
 Calibration: C:\MassLynx\JAN2011.PRO\CurveDB\ICA1027103D58290.cdb 03 Nov 2010 10:34:07

Name: 06SE113D5\_45, Date: 08-Sep-2011, Time: 03:50:30, ID: ST0906D, Description: CS3 11DXN207

#	Name	Response	RT	Pred RT	RRF M	RRF	Conc	%Dev	%Rec	ActRatio	PreRatio	RatioFit	Mod.D
1	13C-1,2,3,4-TCDD	1203422	27.63	27.64	1.00000	1.00000	100.00	0.0	100.0	0.779	0.770		NO
2													
3	13C-2,3,7,8-TCDF	1689505	26.94	26.90	1.34741	1.40392	104.19	4.2	104.2	0.810	0.770		NO
4	2,3,7,8-TCDF	168589	26.97	26.96	1.01573	0.99786	9.82	-1.8	98.2	0.762	0.770		NO
5	Total TCDFs			21.44	1.01573		9.82						
6													
7	13C-2,3,7,8-TCDD	1069678	27.88	27.88	0.85429	0.88886	104.05	4.0	104.0	0.749	0.770		NO
8	2,3,7,8-TCDD	112019	27.89	27.89	1.10816	1.04723	9.45	-5.5	94.5	0.780	0.770		NO
9	Total TCDDs			19.55	1.10816		9.45						
10													
11	37CL-2,3,7,8-TCDD	68964	27.91	27.89	0.56553	0.57306	10.13	1.3	101.3				
12													
13	13C-1,2,3,7,8-PeCDF	1388194	33.40	33.40	1.11756	1.15354	103.22	3.2	103.2	1.625	1.550		NO
14	1,2,3,7,8-PeCDF	689107	33.43	33.43	1.03884	0.99281	47.78	-4.4	95.6	1.543	1.550		NO
15	2,3,4,7,8-PeCDF	662678	35.14	35.15	1.01576	0.95473	47.00	-6.0	94.0	1.560	1.550		NO
16	Total F2 PeCDFs			34.47	1.02730		94.78						
17	Total F1 PeCDFs			36.56	1.02730		0.06						
18													
19	13C-1,2,3,7,8-PeCDD	834380	36.04	36.07	0.72133	0.69334	96.12	-3.9	96.1	1.481	1.550		NO
20	1,2,3,7,8-PeCDD	450561	36.06	36.06	1.03063	1.07999	52.39	4.8	104.8	1.666	1.550		NO
21	Total PeCDDs			31.10	1.03063		52.39						
22													
23	13C-1,2,3,7,8,9-HxCDD	950442	42.44	42.42	1.00000	1.00000	100.00	0.0	100.0	1.405	1.240		NO
24													
25	13C-1,2,3,4,7,8-HxCDF	1052933	41.25	41.25	1.09334	1.10784	101.33	1.3	101.3	0.508	0.510		NO
26	1,2,3,4,7,8-HxCDF	654785	41.27	41.26	1.21580	1.24373	51.15	2.3	102.3	1.221	1.240		NO
27	1,2,3,6,7,8-HxCDF	820034	41.38	41.38	1.49813	1.55762	51.99	4.0	104.0	1.199	1.240		NO
28	2,3,4,6,7,8-HxCDF	697295	41.96	41.96	1.32407	1.32448	50.02	0.0	100.0	1.300	1.240		NO
29	1,2,3,7,8,9-HxCDF	607449	42.63	42.61	1.08252	1.15382	53.29	6.6	106.6	1.188	1.240		NO
30	Total HxCDFs			0.00	1.28013		206.44						
31													
32	13C-1,2,3,6,7,8-HxCDD	1004752	42.17	42.17	0.97190	1.05714	108.77	8.8	108.8	1.409	1.240		NO
33	1,2,3,4,7,8-HxCDD	410137	42.11	42.10	0.86863	0.81639	46.99	-6.0	94.0	1.238	1.240		NO
34	1,2,3,6,7,8-HxCDD	562643	42.18	42.18	1.15691	1.11996	48.40	-3.2	96.8	1.299	1.240		NO
35	1,2,3,7,8,9-HxCDD	529457	42.45	42.44	1.02520	1.05391	51.40	2.8	102.8	1.400	1.240		NO
36	Total HxCDDs			0.00	1.01691		146.80						
37													
38	13C-1,2,3,4,6,7,8-HpCDF	1005052	44.06	44.05	0.96489	1.05746	109.59	9.6	109.6	0.465	0.440		NO
39	1,2,3,4,6,7,8-HpCDF	640474	44.06	44.07	1.37318	1.27451	46.41	-7.2	92.8	0.985	1.040		NO
40	1,2,3,4,7,8,9-HpCDF	513220	45.29	45.28	1.14527	1.02128	44.59	-10.8	89.2	1.040	1.040		NO
41	Total HpCDFs			0.00	1.25922		90.99						
42													
43	13C-1,2,3,4,6,7,8-HpCDD	835188	44.92	44.92	0.85758	0.87874	102.47	2.5	102.5	1.085	1.040		NO
44	1,2,3,4,6,7,8-HpCDD	428120	44.94	44.93	1.04888	1.02521	48.87	-2.3	97.7	1.058	1.040		NO
45	Total HpCDDs			0.02	1.04888		48.87						

Dataset: C:\MassLynx\JAN2011.PRO\06SE113D58290D.qld

3D5

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Name: 06SE113D5\_45, Date: 08-Sep-2011, Time: 03:50:30, ID: ST0906D, Description: CS3 11DXN207

Name	Response	RT	Pred RT	RRF M	RRF	Conc	%Dev	%Rec	ActRatio	PreRatio	RatioFL	Mod D
47 13C-OCDD	1205464	47.64	47.63	0.63748	0.63416	198.96	-0.5	99.5	0.969	0.890	NO	
48 OCDF	919473	47.77	47.76	1.50681	1.52551	101.24	1.2	101.2	0.952	0.890	NO	
49 OCDD	706209	47.65	47.65	1.19407	1.17168	98.12	-1.9	98.1	0.850	0.890	NO	
50												
51												
52 Function 1 PFK			28.66									
53 Function 2 PFK	24013	36.94	36.91	14411....	24012....	1.67	66.6	166.6				
54 Function 3 PFK			41.66									
55 Function 4 PFK			45.71	11038....								
56 Function 5 PFK			49.48	13931....								
57 TCDF PCDPE	9	23.46	23.43	33.291...	8.69900	0.26	-73.9	26.1				
58 F1 PeCDF PCDPE	10	24.50	24.48	89.598...	9.78700	0.11	-89.1	10.9				
59 F2 PeCDF PCDPE			38.58	76.937...								
60 HXCDF PCDPE	9	41.79	41.85	31.075...	8.70100	0.28	-72.0	28.0				
61 HPCDF PCDPE	137	45.71	45.69	106.08...	137.02...	1.29	29.2	129.2				
62 OCDF PCDPE	11	47.80	47.82	234.41...	11.471...	0.05	-95.1	4.9				

Dataset: C:\MassLynx\JAN2011.PRO\06SE113D58290D.qld

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Name: 06SE113D5\_56, Date: 08-Sep-2011, Time: 13:31:51, ID: ST0906E, Description: CS3 11DXN207

#	Name	Response	RT	Pred:RT	RRF:M	RRF	Conc	%Dev	%Rec	Adj:Ratio	Pre:Ratio	RatioFL	Mod:D
1	13C-1,2,3,4-TCDD	1009446	27.63	27.64	1.00000	1.00000	100.00	0.0	100.0	0.779	0.770	NO	
2													
3	13C-2,3,7,8-TCDF	1459622	26.94	26.90	1.34741	1.44596	107.31	7.3	107.3	0.784	0.770	NO	
4	2,3,7,8-TCDF	140104	26.95	26.96	1.01573	0.95987	9.45	-5.5	94.5	0.738	0.770	NO	
5	Total TCDFs			21.44	1.01573		9.45						
6													
7	13C-2,3,7,8-TCDD	920359	27.88	27.88	0.85429	0.91175	106.73	6.7	106.7	0.742	0.770	NO	
8	2,3,7,8-TCDD	99298	27.91	27.89	1.10816	1.07890	9.74	-2.6	97.4	0.791	0.770	NO	
9	Total TCDDs			19.55	1.10816		9.74						
10													
11	37CL-2,3,7,8-TCDD	62929	27.89	27.89	0.56553	0.62340	11.02	10.2	110.2				
12													
13	13C-1,2,3,7,8-PeCDF	1317308	33.40	33.40	1.11756	1.30498	116.77	16.8	116.8	1.581	1.550	NO	
14	1,2,3,7,8-PeCDF	638566	33.44	33.43	1.03884	0.96950	46.66	-6.7	93.3	1.518	1.550	NO	
15	2,3,4,7,8-PeCDF	603440	35.14	35.15	1.01576	0.91617	45.10	-9.8	90.2	1.526	1.550	NO	
16	Total F2 PeCDFs			34.47	1.02730		91.76						
17	Total F1 PeCDFs			36.56	1.02730		0.03						
18													
19	13C-1,2,3,7,8-PeCDD	754448	36.05	36.07	0.72133	0.74739	103.61	3.6	103.6	1.646	1.550	NO	
20	1,2,3,7,8-PeCDD	388673	36.07	36.07	1.03063	1.03035	49.99	-0.0	100.0	1.609	1.550	NO	
21	Total PeCDDs			31.10	1.03063		49.99						
22													
23	13C-1,2,3,7,8,9-HxCDD	930455	42.44	42.42	1.00000	1.00000	100.00	0.0	100.0	1.251	1.240	NO	
24													
25	13C-1,2,3,4,7,8-HxCDF	1003986	41.26	41.25	1.09334	1.07903	98.69	-1.3	98.7	0.512	0.510	NO	
26	1,2,3,4,7,8-HxCDF	581094	41.27	41.27	1.21580	1.15758	47.61	-4.8	95.2	1.253	1.240	NO	
27	1,2,3,6,7,8-HxCDF	717898	41.39	41.39	1.49813	1.43010	47.73	-4.5	95.5	1.323	1.240	NO	
28	2,3,4,6,7,8-HxCDF	601283	41.96	41.97	1.32407	1.19779	45.23	-9.5	90.5	1.261	1.240	NO	
29	1,2,3,7,8,9-HxCDF	553944	42.63	42.62	1.08252	1.10349	50.97	1.9	101.9	1.177	1.240	NO	
30	Total HxCDFs			0.00	1.28013		191.54						
31													
32	13C-1,2,3,6,7,8-HxCDD	923249	42.18	42.17	0.97190	0.99226	102.09	2.1	102.1	1.277	1.240	NO	
33	1,2,3,4,7,8-HxCDD	374438	42.11	42.11	0.86863	0.81113	46.69	-6.6	93.4	1.288	1.240	NO	
34	1,2,3,6,7,8-HxCDD	503622	42.20	42.19	1.15691	1.09098	47.15	-5.7	94.3	1.260	1.240	NO	
35	1,2,3,7,8,9-HxCDD	492990	42.45	42.45	1.02520	1.06795	52.08	4.2	104.2	1.265	1.240	NO	
36	Total HxCDDs			0.00	1.01691		145.93						
37													
38	13C-1,2,3,4,6,7,8-HpCDF	809036	44.06	44.05	0.96489	0.86951	90.11	-9.9	90.1	0.450	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	531099	44.07	44.07	1.37318	1.31292	47.81	-4.4	95.6	1.033	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	422938	45.29	45.28	1.14527	1.04554	45.65	-8.7	91.3	1.033	1.040	NO	
41	Total HpCDFs			0.00	1.25922		93.45						
42													
43	13C-1,2,3,4,6,7,8-HpCDD	706286	44.94	44.92	0.85758	0.75908	88.51	-11.5	88.5	1.102	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	372152	44.95	44.95	1.04888	1.05383	50.24	0.5	100.5	1.079	1.040	NO	
45	Total HpCDDs			0.04	1.04888		50.24						
46													
47	13C-OCDD	1110203	47.64	47.63	0.63748	0.59659	187.17	-6.4	93.6	0.931	0.890	NO	
48	OCDF	818804	47.77	47.76	1.50681	1.47505	97.89	-2.1	97.9	0.927	0.890	NO	
49	OCDD	693172	47.65	47.65	1.19407	1.24873	104.58	4.6	104.6	0.953	0.890	NO	



Dataset: C:\MassLynx\JAN2011.PRO\06SE113D58290D.qld

3D5

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Name: 06SE113D5\_56, Date: 08-Sep-2011, Time: 13:31:51, ID: ST0906E, Description: CS3 11DXN207

#	Name	Response	RT	Pred:RT	RRF	M	RRF	Conc	%Dev	%Rec	ActRatio	PreRatio	RatioFL	Mod.D
50														
51														
52	Function 1 PFK			28.66										
53	Function 2 PFK			36.91	14411....									
54	Function 3 PFK			41.66										
55	Function 4 PFK			45.71	11038....									
56	Function 5 PFK			49.48	13931....									
57	TCDF PCDPE			23.43	33.291...									
58	F1 PeCDF PCDPE	33	24.53	24.48	89.598...	33.341...	0.37		-62.8	37.2				
59	F2 PeCDF PCDPE	46	38.60	38.58	76.937...	45.667...	0.59		-40.6	59.4				
60	HXCDF PCDPE	33	41.87	41.85	31.075...	33.442...	1.08		7.6	107.6				
61	HPCDF PCDPE	29	45.72	45.69	106.08...	28.779...	0.27		-72.9	27.1				
62	OCDF PCDPE			47.82	234.41...									

## Sample List Report

## MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL

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	File Name	File Text	Sample ID	Meth/Matrix	BOX #
1	06SE113D5_1	DB-5 CPSM 3732-15	CPS0906	---	
2	06SE113D5_2	CS3 11DXN207	ST0906	---	
3	06SE113D5_3	Solvent Blank C-14	SB0906	---	
4	06SE113D5_4	G1H260000-077C (483-1LCS) RI 1238077 KSS	ML26V-1-ACC	1613B/Water	83
5	06SE113D5_5	G1H300000-108B (476-1MB) 1242108 KSS	ML49N-1-AAB	8290/Water	EPA17
6	06SE113D5_6	G1H160476-1 1242108 KSS	MLPQF-1-AA	8290/Water	EPA17
7	06SE113D5_7	G1H160476-1MS 1242108 KSS	MLPQF-1-ACS	8290/Water	EPA17
8	06SE113D5_8	G1H160476-1SD 1242108 KSS	MLPQF-1-ADD	8290/Water	EPA17
9	06SE113D5_9	G1H160476-2 1242108 KSS	MLPQH-1-AA	8290/Water	EPA17
10	06SE113D5_10	G1H160476-3 1242108 KSS	MLPQJ-1-AA	8290/Water	EPA17
11	06SE113D5_11	G1H300000-108C (476-1LCS) 1242108 KSS	ML49N-1-ACC	8290/Water	EPA17
12	06SE113D5_12	CS3 11DXN207	ST0906A	---	
13	06SE113D5_13	DB-5 CPSM 3732-15	CPS0906A	---	
14	06SE113D5_14	Solvent Blank C-14	SB0906A	---	
15	06SE113D5_15	G1I010000-85B (240467-1MB) 1244085	ML64P-1-AAB	1613B/Water	86
16	06SE113D5_16	G1I010000-85C (240467-1LCS) 1244085	ML64P-1-ACC	1613B/Water	86
17	06SE113D5_17	G1I010000-85L (240467-1DCS) 1244085	ML64P-1-ADL	1613B/Water	86
18	06SE113D5_18	G1H130417-14 1237137	MLMHV-1-AC	8290/Solid	81
19	06SE113D5_19	G1H130417-15 1237137	MLMHX-1-AC	8290/Solid	81
20	06SE113D5_20	G1H130417-16 1237137	MLMH0-1-AC	8290/Solid	81
21	06SE113D5_21	G1H130417-17 1237137	MLMH1-1-AC	8290/Solid	81
22	06SE113D5_22	Solvent Blank C-14	SB0906B	---	
23	06SE113D5_23	CS3 11DXN207	ST0906B	---	
24	06SE113D5_24	DB-5 CPSM 3732-15	CPS0906B	---	
25	06SE113D5_25	G1H240411-2MB 1242102	ML47T-1-AA	8290/Waste	EPA17
26	06SE113D5_26	G1H310000-44B 1243044 DBLK01, MG	ML51L-1-AA	1613B/Water	EPA17
27	06SE113D5_27	G1H310000-44C 1243044 DLCS01, MG	ML51L-1-AC	1613B/Water	EPA17
28	06SE113D5_28	G1H190475-1 1244086	MLVGD-1-AA	1613B/Water	86
29	06SE113D5_29	G1H170477-1 1243044 D6GW8, MG	MLQ7V-1-AA	1613B/Water	EPA17
30	06SE113D5_30	G1H170477-2 1243044 D6GX2, MG	MLQ7W-1-AA	1613B/Water	EPA17
31	06SE113D5_31	G1H170477-3 1243044 D6GX5, MG	MLQ70-1-AA	1613B/Water	EPA17
32	06SE113D5_32	G1H170477-4 1243044 D6GX7, MG	MLQ75-1-AA	1613B/Water	EPA17
33	06SE113D5_33	G1H240411-2LCS 1242102	ML47T-1-AC	8290/Waste	EPA17
34	06SE113D5_34	CS3 11DXN207	ST0906C	---	
35	06SE113D5_35	DB-5 CPSM 3732-15	CPS0906C	---	
36	06SE113D5_36	Solvent Blank C-14	SB0906D	---	
37	06SE113D5_37	G1H170477-5 1243044 D6GX9, MG	MLQ76-1-AA	1613B/Water	EPA17
38	06SE113D5_38	G1H170477-6 1243044 D6GY0, MG	MLQ77-1-AA	1613B/Water	EPA17
39	06SE113D5_39	G1H170477-7 1243044 D6GY2, MG	MLQ78-1-AA	1613B/Water	EPA17
40	06SE113D5_40	G1H170477-8 1243044 D6GX1, MG	MLQ8A-1-AA	1613B/Water	EPA17
41	06SE113D5_41	G1H170477-9 1243044 D6GX3, MG	MLW3X-1-AA	1613B/Water	EPA17
42	06SE113D5_42	G1H170477-10 1243044 D6GX4, MG	MLW4D-1-AA	1613B/Water	EPA17
43	06SE113D5_43	G1H170477-11 1243044 D6GX6, MG	MLW4E-1-AA	1613B/Water	EPA17
44	06SE113D5_44	Solvent Blank C-14	SB0906E	---	
45	06SE113D5_45	CS3 11DXN207	ST0906D	---	
46	06SE113D5_46	DB-5 CPSM 3732-15	CPS0906D	---	
47	06SE113D5_47	G1I020000-140B 1245140	ML79J-1-AA	8290/Solid	82
48	06SE113D5_48	G1H170477-12 1243044 D6GY1, MG	MLW4F-1-AA	1613B/Water	EPA17
49	06SE113D5_49	G1H170477-13 1243044 D6GY3, MG	MLW4G-1-AA	1613B/Water	EPA17
50	06SE113D5_50	G1H240411-1 1242111	MLODG-1-AA	8290A/Water	EPA17
51	06SE113D5_51	G1I010458-1 1245140	ML699-1-AC	8290/Solid	82
52	06SE113D5_52	G1I010460-1 1245140	ML7AF-1-AD	8290/Solid	82
53	06SE113D5_53	G1I010460-1S 1245140	ML7AF-1-AE	8290/Solid	82
54	06SE113D5_54	G1I010460-1D 1245140	ML7AF-1-AF	8290/Solid	82
55	06SE113D5_55	G1I020000-140C 1245140	ML79J-1-AC	8290/Solid	82
56	06SE113D5_56	CS3 11DXN207	ST0906E	---	
57	06SE113D5_57	DB-5 CPSM 3732-15	CPS0906E	---	
58	06SE113D5_58	G1H250000-97B 1237097	ML129-1-AA	23/Air	84

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
 Last Modified: Thursday, September 08, 2011 17:18:23 Pacific Daylight Time  
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File Name	File Text	Sample ID	Meth/Matrix	BOX #
59 06SE113D5_59	G1I010460-1 1245140	ML7AF-1-AD	8290/Solid	82
60 06SE113D5_60	G1I010458-1 1245140	ML699-1-AC	8290/Solid	82
61 06SE113D5_61	G1H240411-1 (10x) 1242111	ML0DG-1-AA	8290A/Water	EPA17
62 06SE113D5_62	G1H250000-97C 1237097	ML129-1-AC	23/Air	84
63 06SE113D5_63	G1H190487-1 1237097	MLVKL-1-AA	23/Air	84
64 06SE113D5_64	G1H190487-2 1237097	MLVKM-1-AA	23/Air	84
65 06SE113D5_65	G1H190487-3 1237097	MLVKN-1-AA	23/Air	84
66 06SE113D5_66	Solvent Blank C-14	SB0906F	—	
67 06SE113D5_67	CS3 11DXN207	ST0906F	—	
68 06SE113D5_68	DB-5 CPSM 3732-15	CPS0906F	—	
69 06SE113D5_69	Solvent Blank C-14	SB0906G	—	
70 06SE113D5_70	G1H230495-1 1237097	MLX5J-1-AA	23/Air	84
71 06SE113D5_71	G1H230495-2 1237097	MLX5K-1-AA	23/Air	84
72 06SE113D5_72	G1H230495-3 1237097	MLX5L-1-AA	23/Air	84
73 06SE113D5_73	G1H230495-4 1237097	MLX5M-1-AA	23/Air	84
74 06SE113D5_74	G1H230495-5 1237097	MLX5N-1-AA	23/Air	84
75 06SE113D5_75	G1H230495-6 1237097	MLX5P-1-AA	23/Air	84
76 06SE113D5_76	G1H230495-7 1237097	MLX5Q-1-AA	23/Air	84
77 06SE113D5_77	Solvent Blank C-14	SB0906H	—	
78 06SE113D5_78	CS3 11DXN207	ST0906G	—	
79 06SE113D5_79	DB-5 CPSM 3732-15	CPS0906G	—	
80 06SE113D5_80	Solvent Blank C-14	SB0906I	—	
81 06SE113D5_81	G1H240411-2 1242102	ML0DJ-1-AA	8290/Waste	EPA17
82 06SE113D5_82	G1H240411-3 1242102	ML0DK-1-AA	8290/Waste	EPA17

reviewed  
to  
#78  
by ms  
9/9/11

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
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Sample Size	Bottle	Units	FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:4	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:5	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.011960	Tray1:6	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.008870	Tray1:7	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.015670	Tray1:8	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.005420	Tray1:9	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.011970	Tray1:10	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:11	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:12	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:13	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:14	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.040000	Tray1:15	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.430000	Tray1:16	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.060000	Tray1:17	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.220000	Tray1:18	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.100000	Tray1:19	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:20	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:21	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.017300	Tray1:22	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:23	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.044100	Tray1:24	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.035770	Tray1:25	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.030990	Tray1:26	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.100000	Tray1:27	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.033180	Tray1:28	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.041200	Tray1:29	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.048310	Tray1:30	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.052460	Tray1:31	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.034250	Tray1:32	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.042900	Tray1:33	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.038600	Tray1:34	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.000000	Tray1:39	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.038200	Tray1:35	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.058600	Tray1:36	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.512560	Tray1:45	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
5.770000	Tray1:41	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.810000	Tray1:42	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.850000	Tray1:43	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.380000	Tray1:44	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.000000	Tray1:40	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.500000	Tray1:46	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
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Sample Size	Bottle	Units	FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC
10.810000	Tray1:42	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
5.770000	Tray1:41	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.512560	Tray1:48	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:47	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:49	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:50	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:51	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:2	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:52	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:53	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:54	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:55	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:56	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:57	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:58	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:2	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.100000	Tray1:37	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.102000	Tray1:38	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--

## Sample List Report

MassLynx 4.1

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ConD	ConE	ConF	ConG	Process	Process Options	Action On Error
--	--	--	--	--	--	--
100	200	10	100	--	--	--
--	--	--	--	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
2000	4000	2000	2000	--	--	--

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
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ConD	ConE	ConF	ConG	Process	Process Options	Action On Error
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	2000	2000	--	--	--
2000	4000	2000	2000	--	--	--
2000	4000	2000	2000	--	--	--
2000	4000	2000	2000	--	--	--
--	--	--	--	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
--	--	--	--	--	--	--
2000	4000	2000	2000	--	--	--
2000	4000	2000	2000	--	--	--
2000	4000	2000	2000	--	--	--
2000	4000	2000	2000	--	--	--
2000	4000	2000	2000	--	--	--
2000	4000	2000	2000	--	--	--
--	--	--	--	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL

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	File Name	File Text	Sample ID	Meth/Matrix	BOX #
1	06SE113D5_1	DB-5 CPSM 3732-15	CPS0906	—	
2	06SE113D5_2	CS3 11DXN207	ST0906	—	
3	06SE113D5_3	Solvent Blank C-14	SB0906	—	
4	06SE113D5_4	G1H260000-077C (483-1LCS) RI 1238077 KSS	ML26V-1-ACC	1613B/Water	83
5	06SE113D5_5	G1H300000-108B (476-1MB) 1242108 KSS	ML49N-1-AAB	8290/Water	EPA17
6	06SE113D5_6	G1H160476-1 1242108 KSS	MLPQF-1-AA	8290/Water	EPA17
7	06SE113D5_7	G1H160476-1MS 1242108 KSS	MLPQF-1-ACS	8290/Water	EPA17
8	06SE113D5_8	G1H160476-1SD 1242108 KSS	MLPQF-1-ADD	8290/Water	EPA17
9	06SE113D5_9	G1H160476-2 1242108 KSS	MLPQH-1-AA	8290/Water	EPA17
10	06SE113D5_10	G1H160476-3 1242108 KSS	MLPQJ-1-AA	8290/Water	EPA17
11	06SE113D5_11	G1H300000-108C (476-1LCS) 1242108 KSS	ML49N-1-ACC	8290/Water	EPA17
12	06SE113D5_12	CS3 11DXN207	ST0906A	—	
13	06SE113D5_13	DB-5 CPSM 3732-15	CPS0906A	—	
14	06SE113D5_14	Solvent Blank C-14	SB0906A	—	
15	06SE113D5_15	G1I010000-85B (240467-1MB) 1244085	ML64P-1-AAB	1613B/Water	86
16	06SE113D5_16	G1I010000-85C (240467-1LCS) 1244085	ML64P-1-ACC	1613B/Water	86
17	06SE113D5_17	G1I010000-85L (240467-1DCS) 1244085	ML64P-1-ADL	1613B/Water	86
18	06SE113D5_18	G1H130417-14 1237137	MLMHV-1-AC	8290/Solid	81
19	06SE113D5_19	G1H130417-15 1237137	MLMHX-1-AC	8290/Solid	81
20	06SE113D5_20	G1H130417-16 1237137	MLMH0-1-AC	8290/Solid	81
21	06SE113D5_21	G1H130417-17 1237137	MLMH1-1-AC	8290/Solid	81
22	06SE113D5_22	Solvent Blank C-14	SB0906B	—	
23	06SE113D5_23	CS3 11DXN207	ST0906B	—	
24	06SE113D5_24	DB-5 CPSM 3732-15	CPS0906B	—	
25	06SE113D5_25	G1H240411-2MB 1242102	ML47T-1-AA	8290/Waste	EPA17
26	06SE113D5_26	G1H310000-44B 1243044 DBLK01, MG	ML51L-1-AA	1613B/Water	EPA17
27	06SE113D5_27	G1H310000-44C 1243044 DLCS01, MG	ML51L-1-AC	1613B/Water	EPA17
28	06SE113D5_28	G1H190475-1 1244086	MLVGD-1-AA	1613B/Water	86
29	06SE113D5_29	G1H170477-1 1243044 D6GW8, MG	MLQ7V-1-AA	1613B/Water	EPA17
30	06SE113D5_30	G1H170477-2 1243044 D6GX2, MG	MLQ7W-1-AA	1613B/Water	EPA17
31	06SE113D5_31	G1H170477-3 1243044 D6GX5, MG	MLQ70-1-AA	1613B/Water	EPA17
32	06SE113D5_32	G1H170477-4 1243044 D6GX7, MG	MLQ75-1-AA	1613B/Water	EPA17
33	06SE113D5_33	G1H240411-2LCS 1242102	ML47T-1-AC	8290/Waste	EPA17
34	06SE113D5_34	CS3 11DXN207	ST0906C	—	
35	06SE113D5_35	DB-5 CPSM 3732-15	CPS0906C	—	
36	06SE113D5_36	Solvent Blank C-14	SB0906D	—	
37	06SE113D5_37	G1H170477-5 1243044 D6GX9, MG	MLQ76-1-AA	1613B/Water	EPA17
38	06SE113D5_38	G1H170477-6 1243044 D6GY0, MG	MLQ77-1-AA	1613B/Water	EPA17
39	06SE113D5_39	G1H170477-7 1243044 D6GY2, MG	MLQ78-1-AA	1613B/Water	EPA17
40	06SE113D5_40	G1H170477-8 1243044 D6GX1, MG	MLQ8A-1-AA	1613B/Water	EPA17
41	06SE113D5_41	G1H170477-9 1243044 D6GX3, MG	MLW3X-1-AA	1613B/Water	EPA17
42	06SE113D5_42	G1H170477-10 1243044 D6GX4, MG	MLW4D-1-AA	1613B/Water	EPA17
43	06SE113D5_43	G1H170477-11 1243044 D6GX6, MG	MLW4E-1-AA	1613B/Water	EPA17
44	06SE113D5_44	Solvent Blank C-14	SB0906E	—	
45	06SE113D5_45	CS3 11DXN207	ST0906D	—	
46	06SE113D5_46	DB-5 CPSM 3732-15	CPS0906D	—	
47	06SE113D5_47	G1I020000-140B 1245140	ML79J-1-AA	8290/Solid	82
48	06SE113D5_48	G1H170477-12 1243044 D6GY1, MG	MLW4F-1-AA	1613B/Water	EPA17
49	06SE113D5_49	G1H170477-13 1243044 D6GY3, MG	MLW4G-1-AA	1613B/Water	EPA17
50	06SE113D5_50	G1H240411-1 1242111	ML0DG-1-AA	8290A/Water	EPA17
51	06SE113D5_51	G1I010458-1 1245140	ML699-1-AC	8290/Solid	82
52	06SE113D5_52	G1I010460-1 1245140	ML7AF-1-AD	8290/Solid	82
53	06SE113D5_53	G1I010460-1S 1245140	ML7AF-1-AE	8290/Solid	82
54	06SE113D5_54	G1I010460-1D 1245140	ML7AF-1-AF	8290/Solid	82
55	06SE113D5_55	G1I020000-140C 1245140	ML79J-1-AC	8290/Solid	82
56	06SE113D5_56	CS3 11DXN207	ST0906E	—	
57	06SE113D5_57	DB-5 CPSM 3732-15	CPS0906E	—	
58	06SE113D5_58	G1H250000-97B 1237097	ML129-1-AA	23/Air	84



## Sample List Report

## MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
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File Name	File Text	Sample ID	Meth/Matrix	BOX #	
59	06SE113D5_59	G11010460-1 1245140	ML7AF-1-AD	8290/Solid	82
60	06SE113D5_60	G11010458-1 1245140	ML699-1-AC	8290/Solid	82
61	06SE113D5_61	G1H240411-1 (10x) 1242111	ML0DG-1-AA	8290A/Water	EPA17
62	06SE113D5_62	G1H250000-97C 1237097	ML129-1-AC	23/Air	84
63	06SE113D5_63	G1H190487-1 1237097	MLVKL-1-AA	23/Air	84
64	06SE113D5_64	G1H190487-2 1237097	MLVKM-1-AA	23/Air	84
65	06SE113D5_65	G1H190487-3 1237097	MLVKN-1-AA	23/Air	84
66	06SE113D5_66	Solvent Blank C-14	SB0906F	—	
67	06SE113D5_67	CS3 11DXN207	ST0906F	—	
68	06SE113D5_68	DB-5 CPSM 3732-15	CPS0906F	—	
69	06SE113D5_69	Solvent Blank C-14	SB0906G	—	
70	06SE113D5_70	G1H230495-1 1237097	MLX5J-1-AA	23/Air	84
71	06SE113D5_71	G1H230495-2 1237097	MLX5K-1-AA	23/Air	84
72	06SE113D5_72	G1H230495-3 1237097	MLX5L-1-AA	23/Air	84
73	06SE113D5_73	G1H230495-4 1237097	MLX5M-1-AA	23/Air	84
74	06SE113D5_74	G1H230495-5 1237097	MLX5N-1-AA	23/Air	84
75	06SE113D5_75	G1H230495-6 1237097	MLX5P-1-AA	23/Air	84
76	06SE113D5_76	G1H230495-7 1237097	MLX5Q-1-AA	23/Air	84
77	06SE113D5_77	Solvent Blank C-14	SB0906H	—	
78	06SE113D5_78	CS3 11DXN207	ST0906G	—	
79	06SE113D5_79	DB-5 CPSM 3732-15	CPS0906G	—	
80	06SE113D5_80	Solvent Blank C-14	SB0906I	—	
81	06SE113D5_81	G1H240411-2 1242102	ML0DJ-1-AA	8290/Waste	EPA17
82	06SE113D5_82	G1H240411-3 1242102	ML0DK-1-AA	8290/Waste	EPA17

reviewed  
to  
#78  
by M.S.  
9/9/11

Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
 Last Modified: Thursday, September 08, 2011 17:18:23 Pacific Daylight Time  
 Printed: Thursday, September 08, 2011 17:19:37 Pacific Daylight Time

Sample Size	Bottle	Units	FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:4	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:5	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.011960	Tray1:6	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.008870	Tray1:7	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.015670	Tray1:8	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.005420	Tray1:9	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.011970	Tray1:10	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:11	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:12	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:13	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:14	L	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.040000	Tray1:15	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.430000	Tray1:16	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.060000	Tray1:17	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
10.220000	Tray1:18	g	20	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS, AM	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.100000	Tray1:19	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:20	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:21	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.017300	Tray1:22	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:23	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.044100	Tray1:24	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.035770	Tray1:25	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.030990	Tray1:26	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.100000	Tray1:27	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.033180	Tray1:28	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.041200	Tray1:29	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.048310	Tray1:30	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.052460	Tray1:31	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.034250	Tray1:32	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.042900	Tray1:33	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.038600	Tray1:34	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:3	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.000000	Tray1:39	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.038200	Tray1:35	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.058600	Tray1:36	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.512560	Tray1:45	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
5.770000	Tray1:41	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.810000	Tray1:42	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.850000	Tray1:43	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.380000	Tray1:44	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
10.000000	Tray1:40	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
1.000000	Tray1:2	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	---	---	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---
0.500000	Tray1:46	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	---	---	---

## Sample List Report

## MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
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Sample Size	Bottle	Units	FV_uL	Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC
10.810000	Tray1:42	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
5.770000	Tray1:41	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.512560	Tray1:48	L	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:47	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:49	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:50	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:51	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:2	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:52	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:53	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:54	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:55	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:56	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:57	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.500000	Tray1:58	Sample	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:2	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	10	50	100
1.000000	Tray1:1	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
1.000000	Tray1:3	--	--	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.100000	Tray1:37	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--
0.102000	Tray1:38	g	20	2.000000	Analyte	KSS	OCDD25	OCDD25	--	--	--

## Sample List Report

MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
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ConD	ConE	ConF	ConG	Process	Process Options	Action On Error
--	--	--	--	--	--	--
100	200	10	100	--	--	--
--	--	--	--	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	--	--	--
2000	4000	800	2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
--	--	--	--	--	--	--
2000	4000	2000	2000	--	--	--

Sample List Report

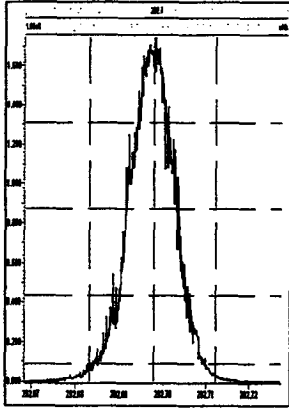
MassLynx 4.1

Sample List: C:\MassLynx\JAN2011.PRO\SampleDB\06SE113D5.SPL  
 Last Modified: Thursday, September 08, 2011 17:18:23 Pacific Daylight Time  
 Printed: Thursday, September 08, 2011 17:19:37 Pacific Daylight Time

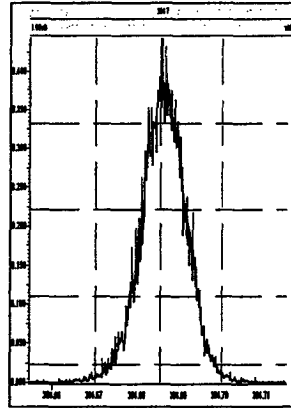
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 Page Position (3, 2)

ConD	ConE	ConF	ConG	Process	Process Options	Action On Error
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2000	4000	800	2000	---	---	---
2000	4000	800	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
---	---	---	---	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
---	---	---	---	---	---	---
---	---	---	---	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
2000	4000	2000	2000	---	---	---
---	---	---	---	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	200	10	100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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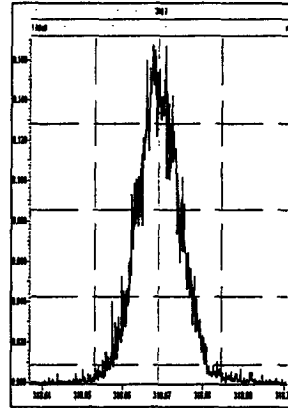
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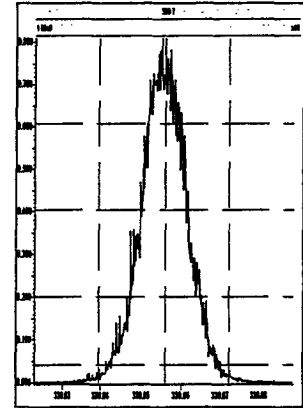
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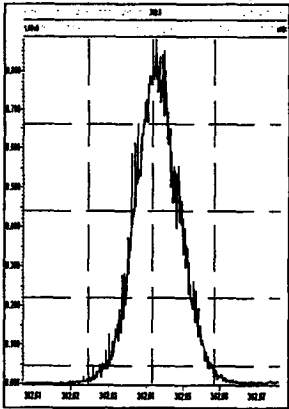
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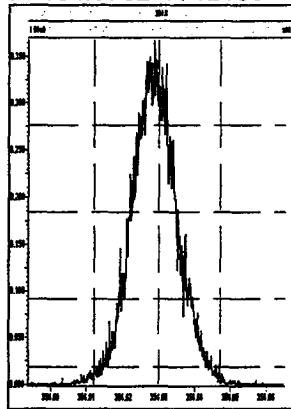
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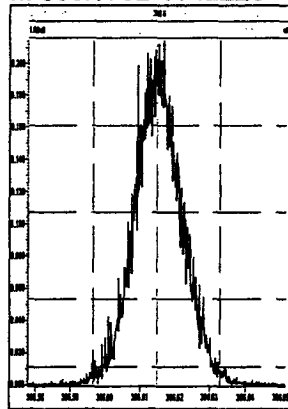
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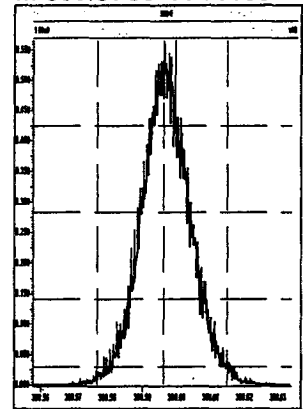
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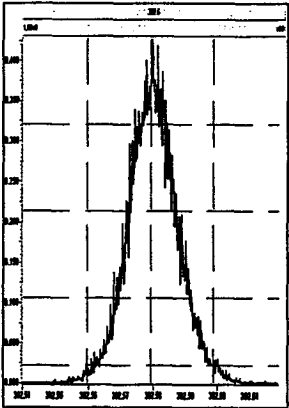
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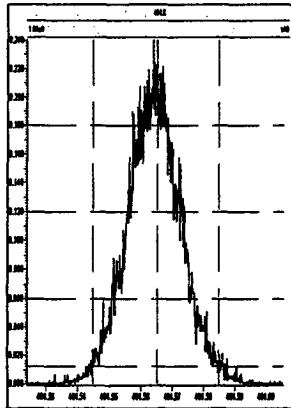
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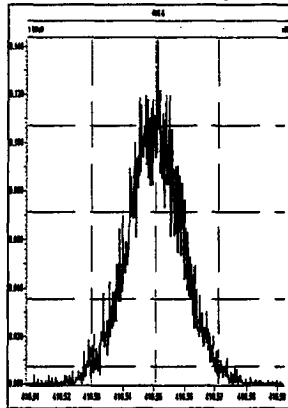
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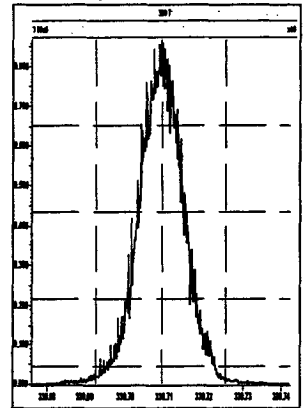
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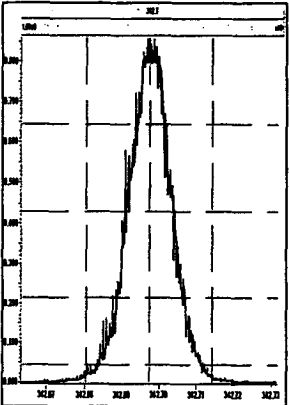
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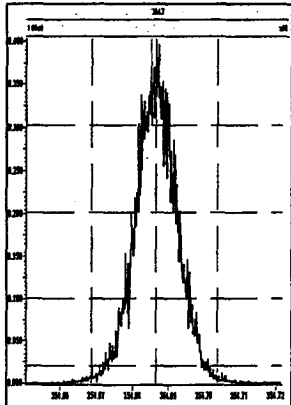
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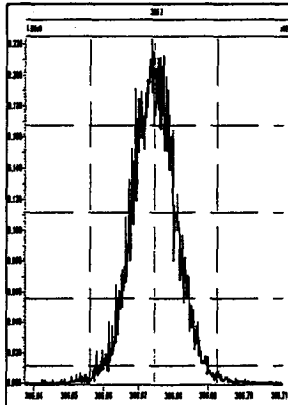
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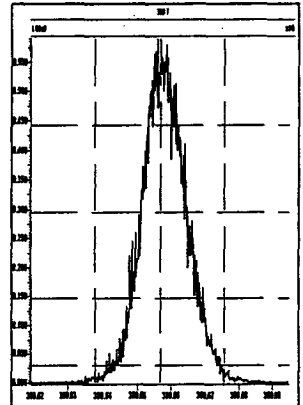
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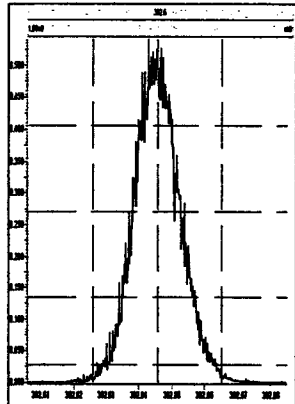


M 380.9760 R 12136

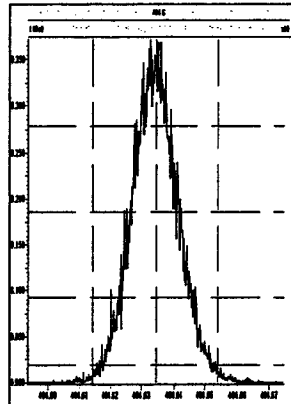


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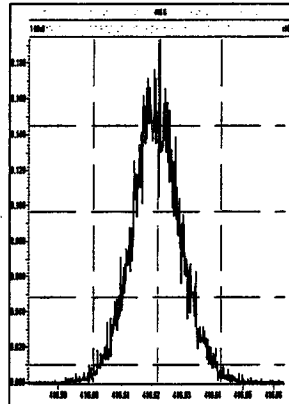
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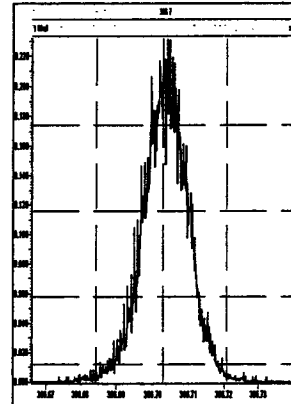
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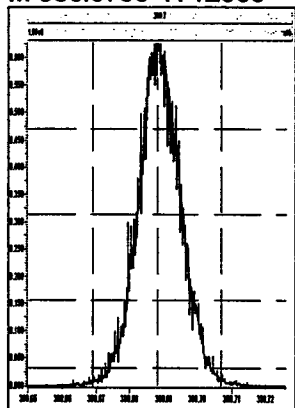
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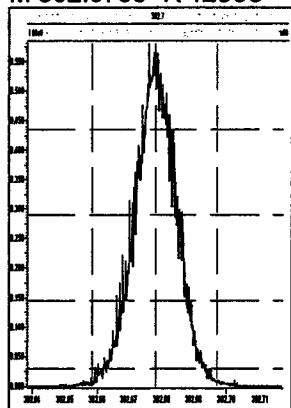
M 366.9792 R 12825



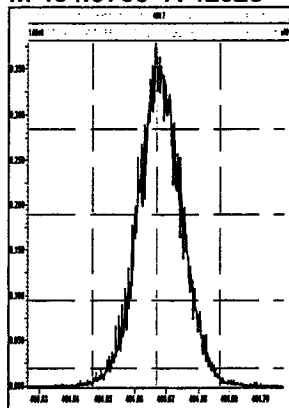
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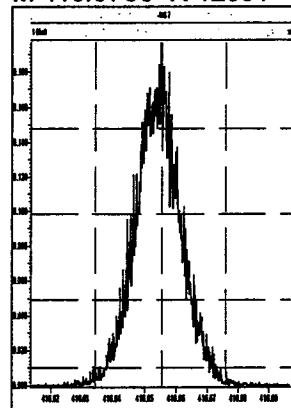
M 392.9760 R 12993



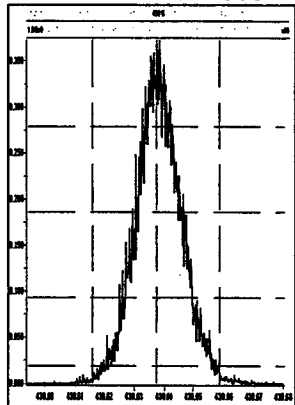
M 404.9760 R 12626



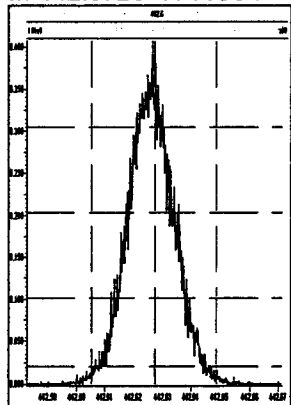
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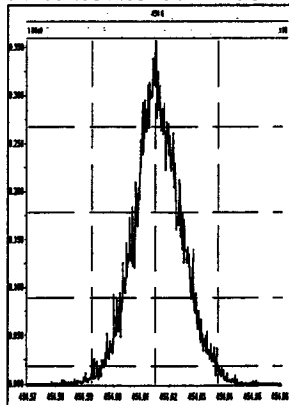
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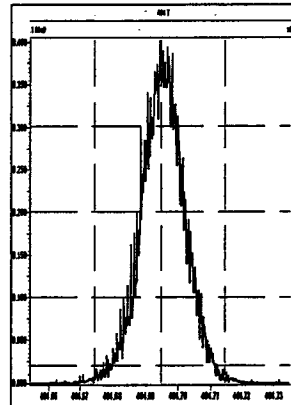
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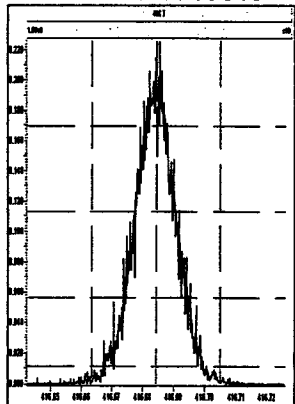
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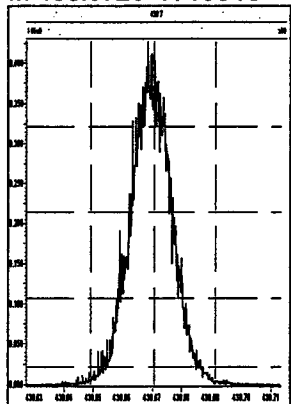
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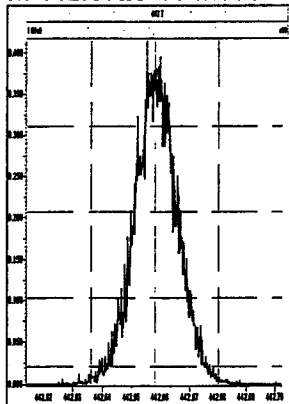
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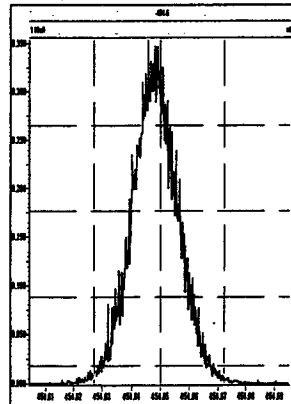
M 430.9728 R 13815



M 442.9728 R 12598

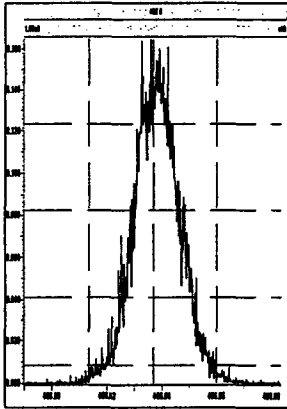


M 454.9728 R 12290

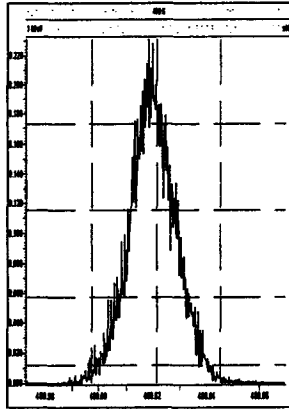


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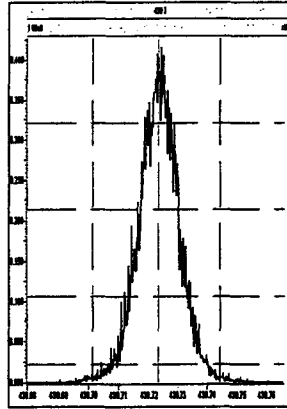
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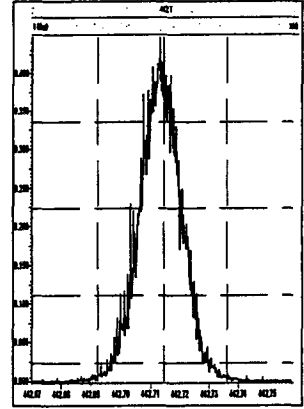
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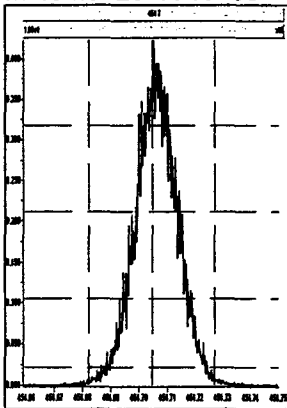
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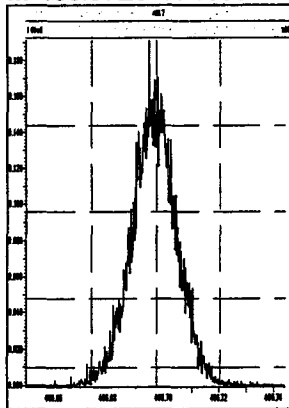
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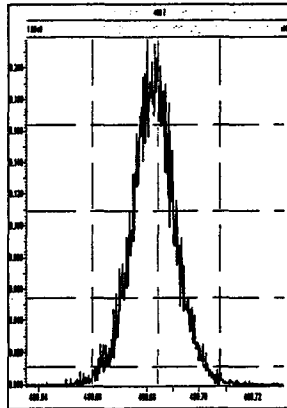
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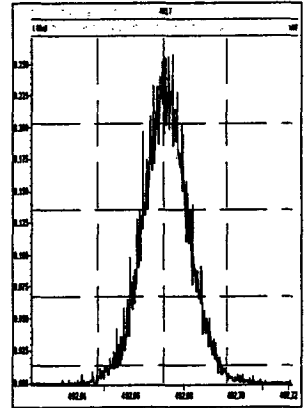
M 466.9728 R 13587



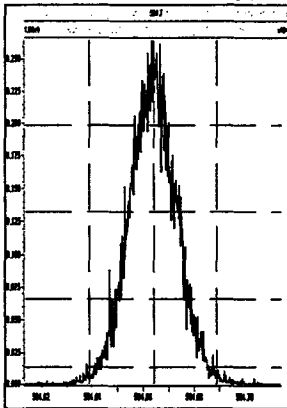
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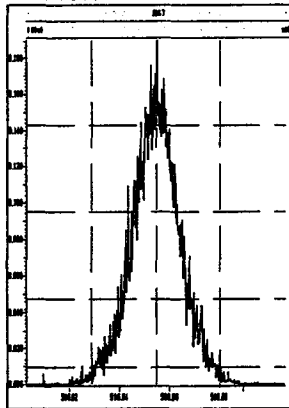
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M 504.9696 R 11286



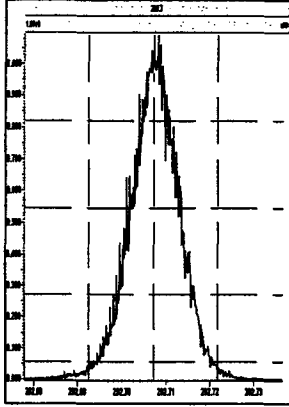
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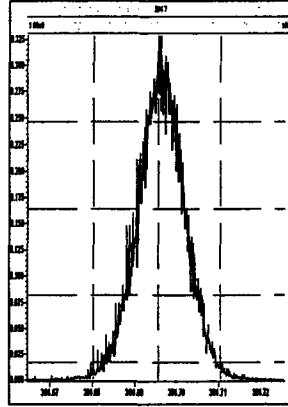


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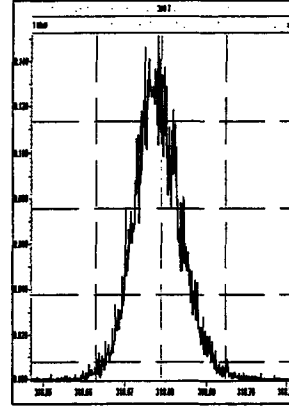
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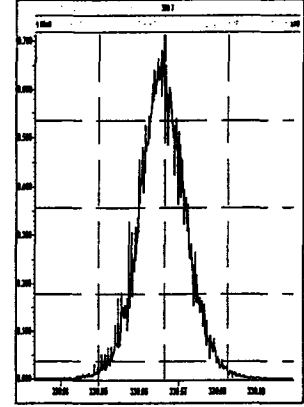
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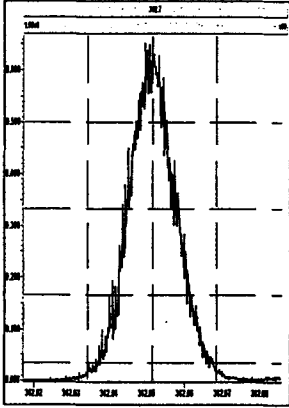
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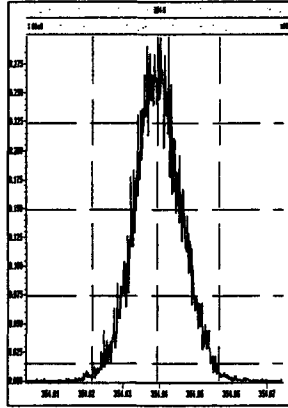
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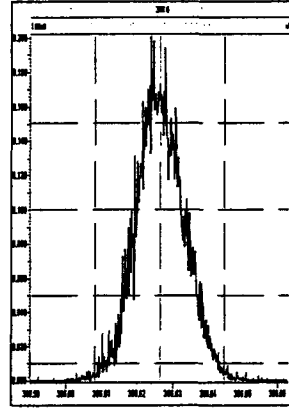
M 342.9792 R 11825



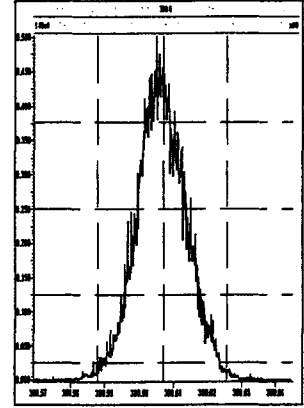
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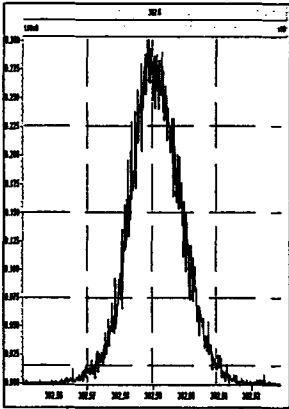
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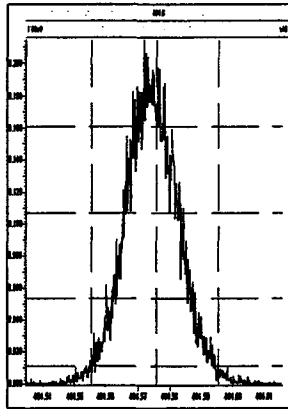
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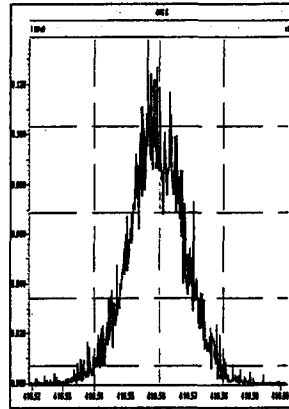
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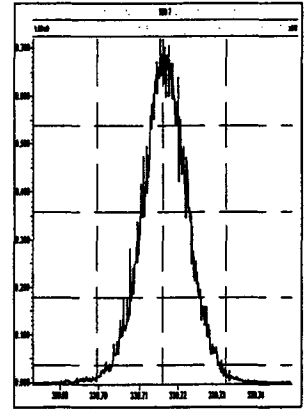
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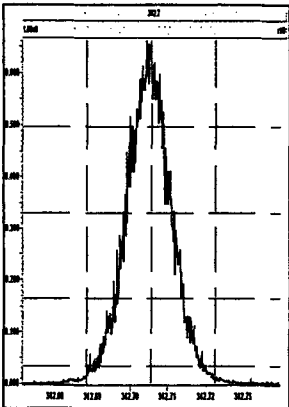
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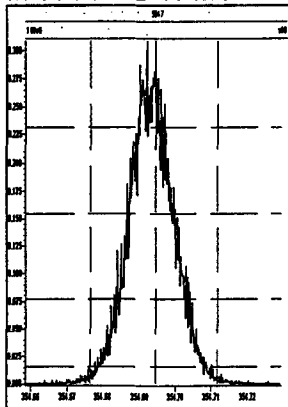
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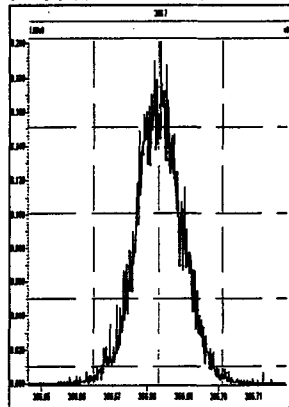
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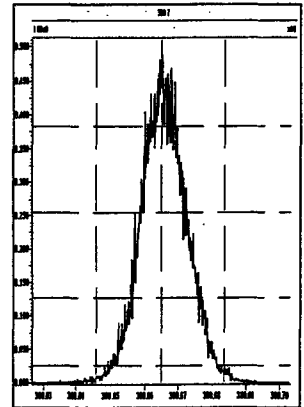
M 354.9792 R 12077



M 366.9792 R 11683

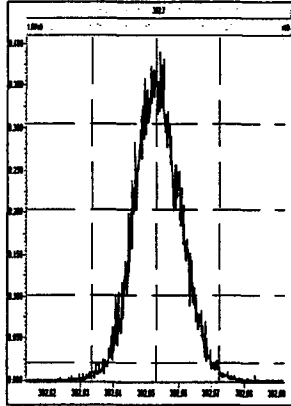


M 380.9760 R 11793

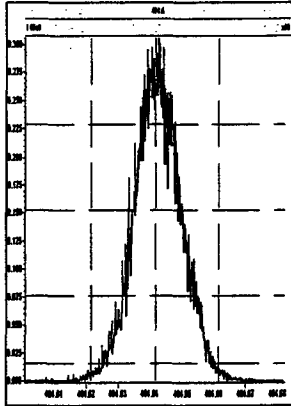


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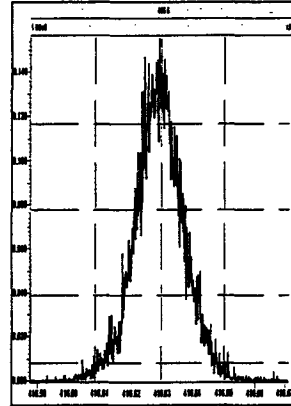
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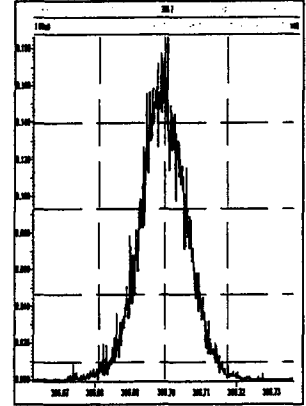
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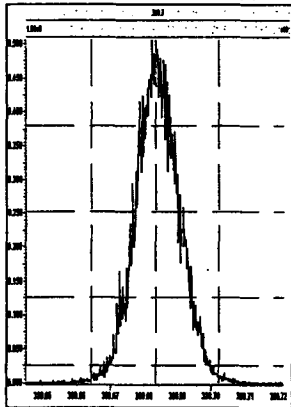
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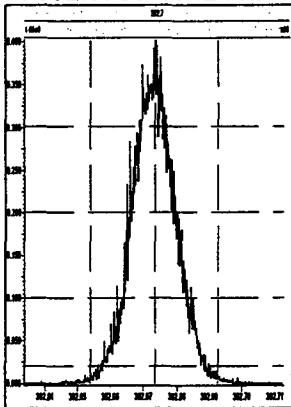
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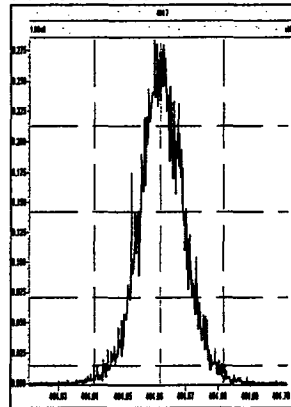
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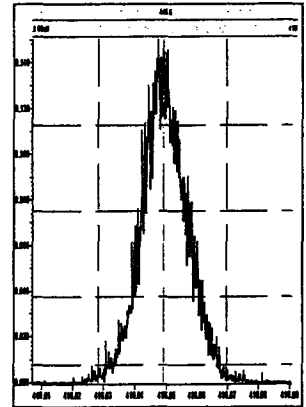
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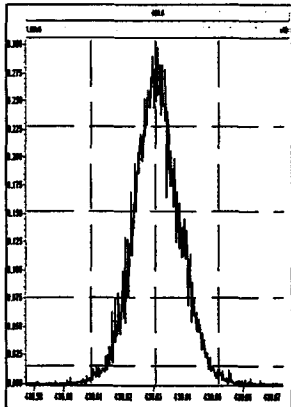
M 404.9760 R 12570



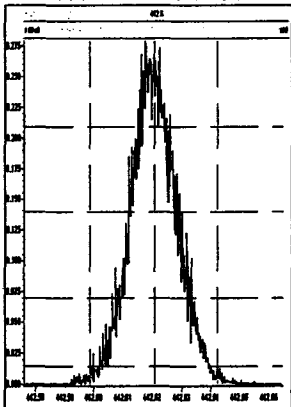
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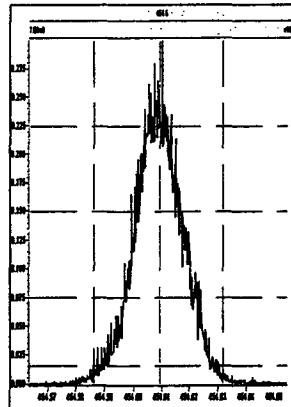
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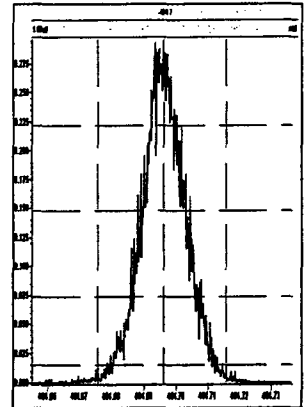
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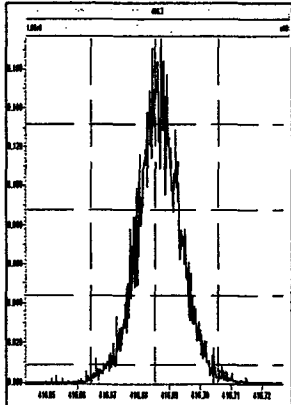
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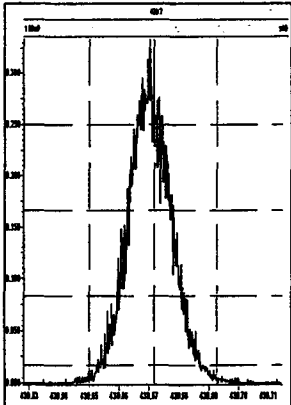
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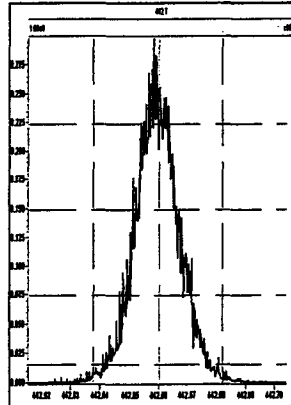
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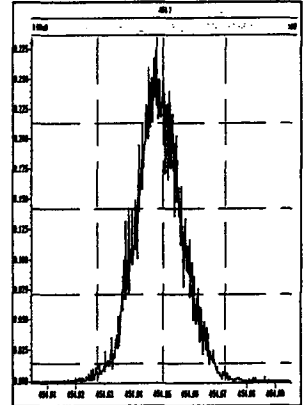
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M 442.9728 R 12759

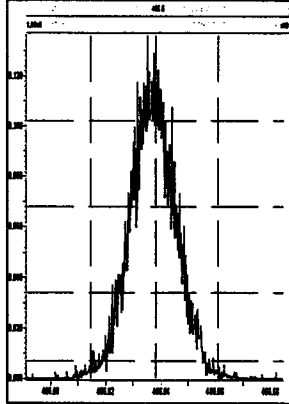


M 454.9728 R 12791

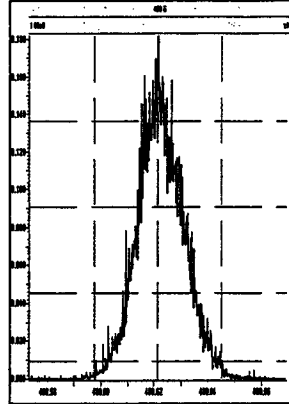


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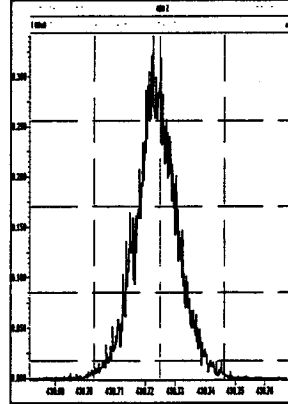
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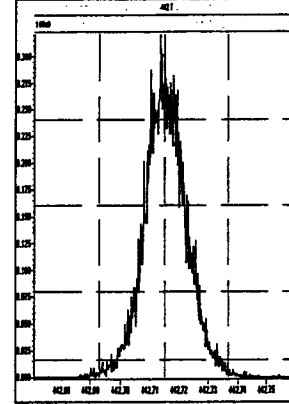
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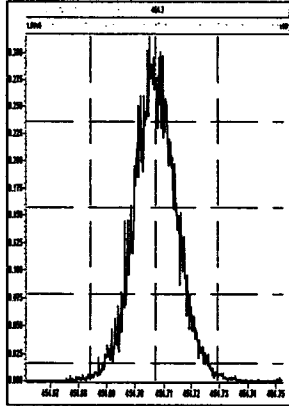
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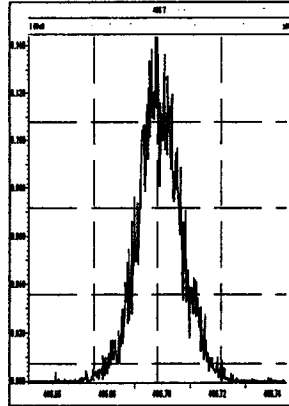
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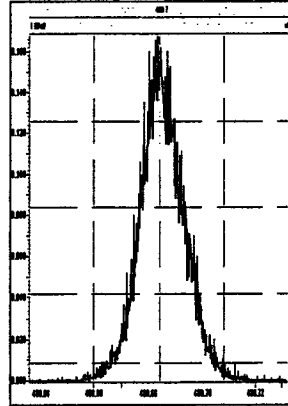
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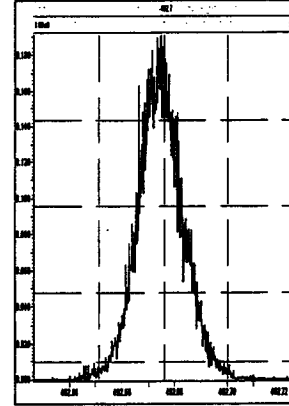
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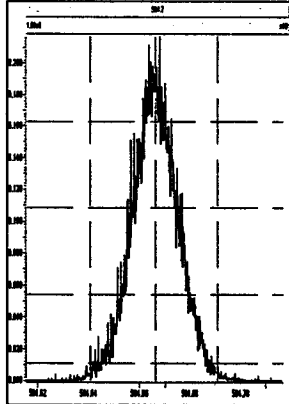
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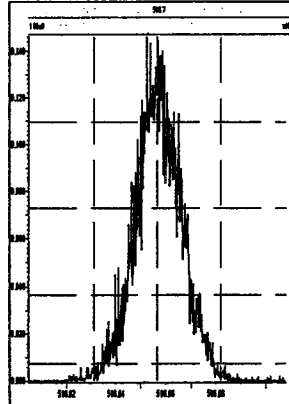
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M 504.9696 R 12603



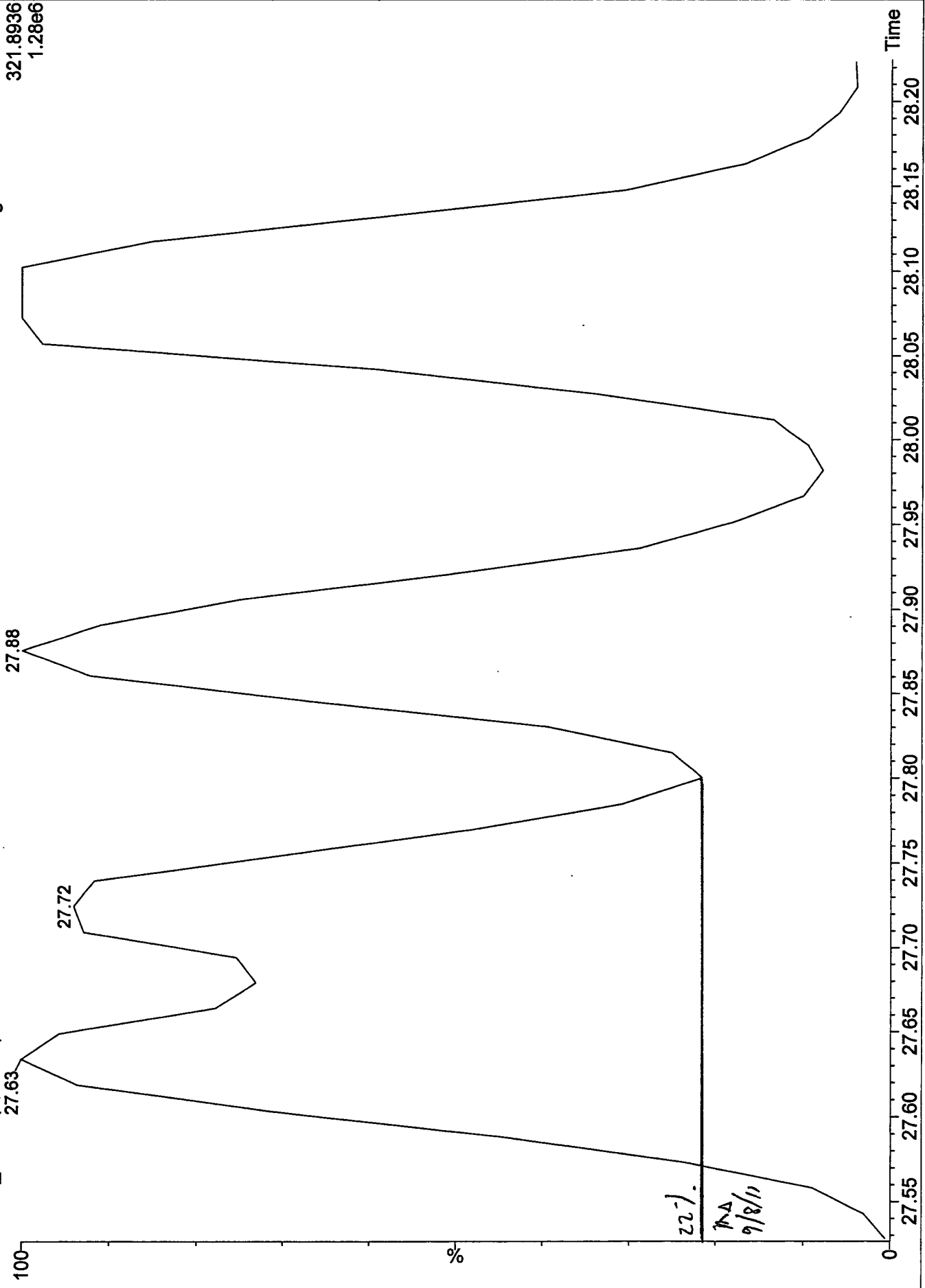
M 516.9697 R 12471



DB-5 CPSM 3732-1504:50:2108-Sep-2011Tray1:1

06SE113D5\_46 Sb (1,10.00)

1: Voltage SIR 15 Channels El+  
321.8936  
1.28e6



**Sample Extraction/Preparation Log**  
**Copies and Checklists**

**Data Checklist**  
**HRGCMS/LRGCMS Analyses**

9/19/2011

Batch #: T245140 1252154 Method ID: Dioxins/Furans, HRGC/HRMS (8290)

**DB-5**  
Data Analyst: \_\_\_\_\_  
Date initiated: OS  
9-9-11  
Reviewer: Neway  
Date reviewed: 9/19/2011

**DB-225**  
Date initiated: OS  
9-9-11  
Reviewer: Neway  
Date reviewed: 9/19/2011

**QA/QC verification:**

	<u>Initiated</u> <u>DB-5</u>	<u>Reviewed</u> <u>DB-5</u>	<u>Initiated</u> <u>DB-225</u> (High Res Only)	<u>Reviewed</u> <u>DB-225</u> (High Res Only)
-Daily standard package(s) present?	<u>/</u>	<u>✓</u>	<u>NA</u>	<u>✓</u>
-Method Blank present?	<u>/</u>	<u>✓</u>	<u>NA</u>	<u>NA</u>
-LCS/DCS copy present and meets native recovery criteria?	<u>/</u>	<u>✓</u>	<u>NA</u>	<u>NA</u>
-Internal standard recoveries within limits?*	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-Ion ratios within + 15% of theoretical values?	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-Other QC (Dup,MS;SD) within specs?*	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>

**Sample Analysis:**

	<u>Initiated</u> <u>DB-5</u>	<u>Reviewed</u> <u>DB-5</u>	<u>Initiated</u> <u>DB-225</u> (High Res Only)	<u>Reviewed</u> <u>DB-225</u> (High Res Only)
-Correct sample aliquot used?	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-All raw data present?	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-Standard target DL's used? If RL's are used specify: _____	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-DL's below TDL ( <u>LCL</u> ) (please circle)?	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-All positives reported at levels greater than method blank DL's?	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-Correct RRF's used for method?	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-Internal standard amounts correct for method?	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-Target analytes are not saturated?	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-Dilution/splitting of extract taken into account?	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>
-Have dilution calculations been verified?	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>
-Has a manual calculation for the sequence(s) been verified?	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-Are retention times (RT) correct?	<u>/</u>	<u>✓</u>	<u>/</u>	<u>✓</u>
-Manual integrations checked?	<u>/</u>	<u>✓</u>	<u>NA</u>	<u>NA</u>

**Comments:** (Use other side if necessary)

**\* Recovery limits:**

NCASI 551:	40-120%***
Method 8290:	40-135%***
Method 1613:	25-150%***
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)
PCBs:	25-150%***
Method 8280:	40-120%***
DFLM01.0:	25-150%***
Method 1614	25-150%***

**\*\*RPD limits:**

50%
20%
50%
50%
50%

\*\*\* Lower recoveries are acceptable if I.S. S/N ≥ 10:1 and DL's are <LCL for target analytes.

**TestAmerica West Sacramento  
High Resolution Prep Log  
Dioxin/Furan Solid Extraction**

1252154  
Batch: 1245140  
MS Run #: 1245117  
Prep Date: 9/2/2011

Internal COC:	
Delivered to Instl:	9/2/11
Inst Receipt:	

Method: IN 8290  
Matrix: A SOLID  
Extraction: 4W SOXHLET (NOMINAL)  
QC: 01 STANDARD TEST SET  
SAC: IN - A - 4W - 01

Soxhlet time on 2140 Soxhlet time off: 30

Shared QC Batch: GMO  
Shares QC With: NA

Box # 82

Prep Reagents		
Reagent	Supplier	Lot #
Toluene	Baker	KAP60
Hexane	Baker	K14E23
H2SO4	Baker	K0305
20% DCM:Hexane	NA	5630-1178
65% DCM:Hexane	NA	5630-119A
1:1 DCM:Cyclohexane	NA	
75:20:5 DCM:Hexane:Benzene	NA	
Silica Gel	NA	4022-22D
Acid Alumina	MP-B0	79
5% Carbon:Silica Gel		

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume		Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
					20ul	Other				
G11010458 - 1		ML6991AC	9/30/2011	5.77		NA	10/17/2011	E3-89	NA	NA
G11010460 - 1		ML7AF1AD	9/30/2011	10.11			10/17/2011	E4-2A		
G11010460 - 1	S	ML7AF1AE	9/30/2011	10.85			10/17/2011	E5-2A		
G11010460 - 1	D	ML7AF1AF	9/30/2011	10.88			10/17/2011	E0-13		
G11020000 - 140	B	ML79J1AC	9/30/2011	10.80			10/17/2011	E1-15		
G11020000 - 140	C	ML79J1AD	9/30/2011	10.80			10/17/2011	E2-28		

\* See attached sheet for sample volumes recorded from scale

Comments/NCMs:

ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
1.0ml 11DXN224	8/25/12	BE	AM	9/2/11
50.0ul 11DXN107	8/21/12	BE	AM	9/2/11
1.0ml 11DXN214	5/12/12	CFR	CFR	9/6/11
20ul 11DXP211	8/11/12	CFR	CFR	9/6/11

Internal Standard All Samples	Spike Mix LCS/LCSD/MS/MS	Cleanup Standard All Samples	Recovery Standard All Samples	Soxhlet Extraction Analyst/Date	Split/Archive Analyst/Date	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
				9/2/11			MC/9/6/11	

RQC058

TestAmerica Laboratories, Inc.  
EXTRACTION BENCH WORKSHEET

Run Date: 9/09/11  
Time: 16:55:08

LEV	LEV
1	2
Y	Y
-	-
-	-

Blank  
Check  
MS/MSD

Weights/Volumes  
Spike & surrogate Worksheet  
Vial contains correct volume  
Labels, greenbars, worksheets  
computer batch: correct & all match  
Anomalies to Extraction Method

Expanded Deliverable  
COC Completed  
Bench Sheet Copied  
Package Submitted to Analytical Group  
Bench Sheet Copied per COC

Extractionist: 000183 Nial Maloney

Concentrationist: 006625 Elizabeth Nguyen

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\* QC BATCH: 1245140 \*  
\* PREP DATE: 9/02/11 17:53  
\* COMP DATE: 9/06/11 15:11  
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Reviewer/Date: NGUYENE / 9/02/11  
Dioxins/Furans, HRGC/HRMS (8290)  
SOXHELET (NOMINAL)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH"S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID	
9/30/11	9/09/11	GLI010458-001 ML699-1-AC	DR	4W	IN SOLID	5.77g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 11DXN224
COMMENTS:													
9/30/11	9/09/11	GLI010460-001 ML7AF-1-AD	DR	4W	IN SOLID	10.81g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 11DXN224
COMMENTS:													
9/30/11	9/09/11	GLI010460-001 ML7AF-1-AES	DR	4W	IN SOLID	10.85g 20.00uL	NA	NA	TOL	300.0	C14	20.0	50.0UL NS 11DXN107 1.0ML IS 11DXN224
COMMENTS:													
9/30/11	9/09/11	GLI010460-001 ML7AF-1-AFD	DR	4W	IN SOLID	10.38g 20.00uL	NA	NA	TOL	300.0	C14	20.0	50.0UL NS 11DXN107 1.0ML IS 11DXN224
COMMENTS:													
9/30/11	0/00/00	GLI020000-140 ML79J-1-ACB		4W	IN SOLID	10.00g 20.00uL	NA	NA	TOL	300.0	C14	20.0	1.0ML IS 11DXN224
COMMENTS:													
9/30/11	0/00/00	GLI020000-140 ML79J-1-ADC		4W	IN SOLID	10.00g 20.00uL	NA	NA	TOL	300.0	C14	20.0	50.0UL NS 11DXN107 1.0ML IS 11DXN224
COMMENTS:													

R = RUSH C = CLP  
E = EPA 600 D = EXP.DEL)  
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 6



## Preparation Data Review Checklist

Prep Batch(es) 1245140

Test: 82905

Prep Date: 9.2.11

Holding Times: 1/10/11 NCM: Y (N)

A. Spike Witness/Batch setup	Spike Witness	Reviewer
1. Holding times checked? NCMs filed as appropriate	✓	✓
2. QAS checked for QC instructions (LCS, LCSD, MS,MSD, etc)	✓	✓
3. Amount of samples in hood match amount of samples on bench sheet. Sample IDS match.	✓	NA
4. Worksheets have been checked for required spiking compounds	✓	✓
5. Spiking volumes are correctly documented	✓	✓
6. Std ID numbers on spike labels match numbers on bench sheet	✓	NA
7. Expiration dates have been checked	✓	✓
8. Calibration expiration dates on pipettors have been checked	✓	NA
9. Spiker and spike witness have signed and dated bench sheet	✓	✓
<b>B. Weights and Volumes</b>		
1. Recorded weights are in anticipated range	NA	✓
2. Balance upload or raw data for weights is included	NA	✓
3. Weights and volumes have been transcribed correctly to LIMS.	NA	✓
4. Weights are not targeted to meet exact weights.	NA	✓
5. Each weight or volume measurement is a unique record (no dittos or line downs)	NA	✓
<b>C. Standards and Reagents</b>		
1. Lot numbers for all reagents, including clean up stages, are recorded.	NA	✓
2. Are dates and analysts for cleanups recorded?	NA	✓
3. Are correct IDs used for standards? Are expiration dates to day/month/year, when listed?	NA	✓
<b>D. Documentation</b>		
1. Are all nonconformances documented appropriately?	NA	NA
2. QuantIMs entry correct, including dates and times.	NA	✓
3. Are all fields completed?	NA	✓

Spike witness: am

Date: 9-02-11

2<sup>nd</sup> Level Reviewer: Murray

Date: 9/6/2011

Comments:

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# SOLID, D 2216-90, Moisture, Percent

# % Moisture/Solid Worksheet

QCBATCH: 1245147

Analyzed by: garrettk

Report created: 9/3/11 1:29:26 PM

Lot ID	WorkOrder	Pan Tare	Sample Wet Wt	Sample Dry Wt	Wt Diff (Water)	Percent Water	Percent Solid	Reporting Limit	Foot Note	Date Time
G1H300425-1	ML49L1A7	1.04	12.68	11.30	1.38	11.86	88.14	0.1		9/3/11 1:25:51 PM
G1H300425-1	ML49L1A8	1.03	13.28	12.05	1.23	10.04	89.96	0.1		9/3/11 1:26:00 PM
G1H300425-2	ML5AD1AA	1.04	13.69	12.55	1.14	9.01	90.99	0.1		9/3/11 1:26:09 PM
G1H300425-3	ML5AK1AA	1.03	9.63	9.28	0.35	4.07	95.93	0.1		9/3/11 1:26:16 PM
G1H300425-4	ML5A21AJ	1.03	16.08	15.81	0.27	1.79	98.21	0.1		9/3/11 1:26:22 PM
G1H300425-6	ML5CJ1AH	1.03	12.41	12.42	-0.01	-0.09	100.09	0.1	①	9/3/11 1:26:29 PM
G1H300425-7	ML5CN1AJ	1.02	9.62	9.43	0.19	2.21	97.79	0.1		9/3/11 1:26:36 PM
G1H300425-8	ML5CQ1AR	1.00	13.99	13.48	0.51	3.93	96.07	0.1		9/3/11 1:26:44 PM
G1H300425-9	ML5CW1A1	1.03	10.68	10.34	0.34	3.52	96.48	0.1		9/3/11 1:26:52 PM
G1H300425-10	ML5C01A1	1.01	14.75	14.53	0.22	1.60	98.40	0.1		9/3/11 1:26:59 PM
G1H300425-11	ML5C21A1	1.06	9.81	9.12	0.69	7.89	92.11	0.1		9/3/11 1:27:05 PM
G1H300425-12	ML5C31A1	0.98	10.43	10.01	0.42	4.44	95.56	0.1		9/3/11 1:27:12 PM
G1H300425-13	ML5C41A1	0.98	13.72	13.31	0.41	3.22	96.78	0.1		9/3/11 1:27:19 PM
G1I010458-1	ML6991AA	1.04	14.78	14.71	0.07	0.51	99.49			9/3/11 1:27:28 PM

① Very dry sample - OK to report as 0% *garrettk*

*RW  
9/6/11  
gar*

All weights are in grams.  
 Sample weights (wet & dry) include the weight (tare) of the sample pan.  
 Wt. Diff. = sample wet weight (+ tare) - sample dry weight (+ tare).  
 % Water = (Wt. Diff/(sample wet weight - pan tare))\*100  
 % Solid = 100 - percent Water