

July 09, 2020

Vista Work Order No. 2001155

Ms. Delaney Peterson Anchor QEA, LLC 720 Olive Way, Suite 1900 Seattle, WA 98101

Dear Ms. Peterson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 27, 2020 under your Project Name 'Gasco PDI'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 ph: 916-673-1520 fx: 916-673-0106 www.vista-analytical.com

Vista Work Order No. 2001155 Case Narrative

Sample Condition on Receipt:

Five sediment samples were received in good condition but outside of the recommended temperature preservation of <6°C. Authorization to proceed with the analyses was received by email on May 28, 2020. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The EPA Method 1668 analysis of sample "PDI-175SC-A-00-01.200522" was assigned to Vista Work Order No. 2001156.

Analytical Notes:

EPA Method 1613B

These samples were extracted and analyzed for tetra-through-octa chlorinated dioxins and furans by EPA Method 1613B using a ZB-5MS GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

As requested, a duplicate was performed on sample "PDI-175SC-A-02-03-200522". The RPD was out of the acceptance criteria for OCDD.

The labeled standard recoveries outside the method acceptance criteria are listed in the table below:

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
2001155-01	PDI-1175SC-A-01-02-200522	EPA Method 1613B	13C-2,3,7,8-TCDD	Н	19.0
2001155-01	PDI-1175SC-A-01-02-200522	EPA Method 1613B	13C-2,3,7,8-TCDF	Н	16.0
2001155-01	PDI-1175SC-A-01-02-200522	EPA Method 1613B	37Cl-2,3,7,8-TCDD	Н	18.8
B0F0086-BS1	B0F0086-BS1	EPA Method 1613B	13C-2,3,7,8-TCDD	Н	15.7
B0F0086-BS1	B0F0086-BS1	EPA Method 1613B	13C-2,3,7,8-TCDF	Н	15.4
B0F0086-BS1	B0F0086-BS1	EPA Method 1613B	37Cl-2,3,7,8-TCDD	Н	17.5

H = Recovery was outside laboratory acceptance criteria.

TABLE OF CONTENTS

Case Narrative	1
Table of Contents	3
Sample Inventory	4
Analytical Results	5
Qualifiers	15
Certifications	16
Sample Receipt	19
Extraction Information	23
Sample Data - EPA Method 1613	30
Confirmation	200
Continuing Calibration	205
Initial Calibration	312

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2001155-01	PDI-1175SC-A-01-02-200522	22-May-20 09:25	27-May-20 10:27	Amber Glass, 120 mL
2001155-02	PDI-175SC-A-00-01-200522	22-May-20 09:25	27-May-20 10:27	Amber Glass, 120 mL
2001155-03	PDI-175SC-A-01-02-200522	22-May-20 09:25	27-May-20 10:27	Amber Glass, 120 mL
2001155-04	PDI-175SC-A-02-03-200522	DUP22-May-20 09:25	27-May-20 10:27	Amber Glass, 120 mL
				Amber Glass, 120 mL
2001155-05	PDI-175SC-A-03-04-200522	22-May-20 09:25	27-May-20 10:27	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Metho	d Blank						EPA Me	thod 1613E
Matrix: Solic Sample Size: 10.0		QC Batch: B0F0086 Date Extracted: 11-Jun-2020	16:31	1	ab Sample: B0F0086-BLK1 Date Analyzed : 24-Jun-20 00:26	5 Column: ZB-5	MS	
Analyte Conc.	. (pg/g)	DL EMPC	Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.479		IS	13C-2,3,7,8-TCDD	66.6	25 - 164	
1,2,3,7,8-PeCDD	ND	0.418			13C-1,2,3,7,8-PeCDD	76.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.605			13C-1,2,3,4,7,8-HxCDD	71.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.665			13C-1,2,3,6,7,8-HxCDD	76.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.716			13C-1,2,3,7,8,9-HxCDD	72.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	1.26			13C-1,2,3,4,6,7,8-HpCDD	65.8	23 - 140	
OCDD	ND	1.09			13C-OCDD	57.1	17 - 157	
2,3,7,8-TCDF	ND	0.393			13C-2,3,7,8-TCDF	65.9	24 - 169	
1,2,3,7,8-PeCDF	ND	0.201			13C-1,2,3,7,8-PeCDF	80.4	24 - 185	
2,3,4,7,8-PeCDF	ND	0.195			13C-2,3,4,7,8-PeCDF	78.6	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.232			13C-1,2,3,4,7,8-HxCDF	69.3	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.238			13C-1,2,3,6,7,8-HxCDF	73.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.261			13C-2,3,4,6,7,8-HxCDF	70.7	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.390			13C-1,2,3,7,8,9-HxCDF	66.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.321			13C-1,2,3,4,6,7,8-HpCDF	66.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.332			13C-1,2,3,4,7,8,9-HpCDF	64.4	26 - 138	
OCDF	ND	0.741			13C-OCDF	56.9	17 - 157	
				CRS	37Cl-2,3,7,8-TCDD	69.7	35 - 197	
					Toxic Equivalent Quotient (T	EQ) Data (pg/g o	dry wt)	
					TEQMinWHO2005Dioxin	0.00		
TOTALS								
Total TCDD	ND	0.479						
Total PeCDD	ND	0.418						
Total HxCDD	ND	0.716						
Total HpCDD	ND	1.26						
Total TCDF	ND	0.596						
Total PeCDF	ND	0.201						
Total HxCDF	ND	0.390						
Total HpCDF	ND	0.332						

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: OPR								EPA Method 1613B
Matrix:SolidSample Size:10.0 g			B0F0086 11-Jun-2020	16:31		Lab Sample:B0F0086-BS1Date Analyzed:23-Jun-20 22:55	Column: ZB-5MS	
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits		Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	21.3	20.0	106	67 - 158	IS	13C-2,3,7,8-TCDD	15.7	20 - 175
1,2,3,7,8-PeCDD	102	100	102	70 - 142		13C-1,2,3,7,8-PeCDD	27.7	21 - 227
1,2,3,4,7,8-HxCDD	92.8	100	92.8	70 - 164		13C-1,2,3,4,7,8-HxCDD	40.2	21 - 193
1,2,3,6,7,8-HxCDD	96.1	100	96.1	76 - 134		13C-1,2,3,6,7,8-HxCDD	47.1	25 - 163
1,2,3,7,8,9-HxCDD	90.9	100	90.9	64 - 162		13C-1,2,3,7,8,9-HxCDD	64.8	21 - 193
1,2,3,4,6,7,8-HpCDD	99.7	100	99.7	70 - 140		13C-1,2,3,4,6,7,8-HpCDD	62.6	26 - 166
OCDD	184	200	92.1	78 - 144		13C-OCDD	62.2	13 - 199
2,3,7,8-TCDF	21.6	20.0	108	75 - 158		13C-2,3,7,8-TCDF	15.4	22 - 152
1,2,3,7,8-PeCDF	93.0	100	93.0	80 - 134		13C-1,2,3,7,8-PeCDF	26.0	21 - 192
2,3,4,7,8-PeCDF	98.7	100	98.7	68 - 160		13C-2,3,4,7,8-PeCDF	23.1	13 - 328
1,2,3,4,7,8-HxCDF	103	100	103	72 - 134		13C-1,2,3,4,7,8-HxCDF	35.9	19 - 202
1,2,3,6,7,8-HxCDF	104	100	104	84 - 130		13C-1,2,3,6,7,8-HxCDF	43.4	21 - 159
2,3,4,6,7,8-HxCDF	99.8	100	99.8	70 - 156		13C-2,3,4,6,7,8-HxCDF	52.1	22 - 176
1,2,3,7,8,9-HxCDF	100	100	100	78 - 130		13C-1,2,3,7,8,9-HxCDF	41.9	17 - 205
1,2,3,4,6,7,8-HpCDF	97.1	100	97.1	82 - 122		13C-1,2,3,4,6,7,8-HpCDF	65.2	21 - 158
1,2,3,4,7,8,9-HpCDF	98.7	100	98.7	78 - 138		13C-1,2,3,4,7,8,9-HpCDF	53.3	20 - 186
OCDF	219	200	109	63 - 170		13C-OCDF	60.1	13 - 199
					CRS	37Cl-2,3,7,8-TCDD	17.5	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-11	75SC-A-01-02-20	0522						EPA Me	thod 1613B
Project: Gasco	or QEA, LLC o PDI ay-2020 9:25	Sample I Matrix: Sample % Solid	Sedimen Size: 11.1 g	t	Lal QC	boratory Data o Sample: 2001155-01 c Batch: B0F0086 te Analyzed : 07-Jul-20 22:53	Date Rece Date Extra 3 Column: ZB-	icted: 11-Jun-2020	
Analyte Conc.	. (pg/g)	DL	EMPC	Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.260			IS	13C-2,3,7,8-TCDD	19.0	25 - 164	Н
1,2,3,7,8-PeCDD	ND	0.169				13C-1,2,3,7,8-PeCDD	35.1	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.235				13C-1,2,3,4,7,8-HxCDD	50.5	32 - 141	
1,2,3,6,7,8-HxCDD	1.72			J		13C-1,2,3,6,7,8-HxCDD	55.4	28 - 130	
1,2,3,7,8,9-HxCDD	0.485			J		13C-1,2,3,7,8,9-HxCDD	76.6	32 - 141	
1,2,3,4,6,7,8-HpCDD	143					13C-1,2,3,4,6,7,8-HpCDD	77.4	23 - 140	
OCDD	863					13C-OCDD	73.1	17 - 157	
2,3,7,8-TCDF	ND		0.547			13C-2,3,7,8-TCDF	16.0	24 - 169	Н
1,2,3,7,8-PeCDF	0.606			J		13C-1,2,3,7,8-PeCDF	29.0	24 - 185	
2,3,4,7,8-PeCDF	0.276			J		13C-2,3,4,7,8-PeCDF	25.8	21 - 178	
1,2,3,4,7,8-HxCDF	1.01			J		13C-1,2,3,4,7,8-HxCDF	44.3	26 - 152	
1,2,3,6,7,8-HxCDF	0.247			J		13C-1,2,3,6,7,8-HxCDF	49.8	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0715				13C-2,3,4,6,7,8-HxCDF	58.1	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.117				13C-1,2,3,7,8,9-HxCDF	55.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	3.56					13C-1,2,3,4,6,7,8-HpCDF	65.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.194				13C-1,2,3,4,7,8,9-HpCDF	59.4	26 - 138	
OCDF	19.8					13C-OCDF	64.4	17 - 157	
					CRS	37Cl-2,3,7,8-TCDD	18.8	35 - 197	Н
						Toxic Equivalent Quotient (TE	EQ) Data (pg/g	dry wt)	
						TEQMinWHO2005Dioxin	2.18		
TOTALS									
Total TCDD	ND	0.260							
Total PeCDD	0.459		0.635						
Total HxCDD	26.7								
Total HpCDD	326								
Total TCDF	0.620		1.17						
Total PeCDF	2.13								
Total HxCDF	3.66								
Total HpCDF DL - Sample specifc est	17.8					CL- Lower control limit - upper control lim			

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: PDI-17	5SC-A-00-01-20052	22					EPA Me	thod 1613B
Project: Gasco	or QEA, LLC o PDI ay-2020 9:25	Sample Data Matrix: Sample Size: % Solids:	Sediment 11.0 g 91.9	Lat QC	boratory Data 5 Sample: 2001155-02 Batch: B0F0086 te Analyzed : 08-Jul-20 18:36 28-Jun-20 16:3.		cted: 11-Jun-2020 225	
Analyte Conc.	. (pg/g)	DL EMP	C Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.206		IS	13C-2,3,7,8-TCDD	53.1	25 - 164	
1,2,3,7,8-PeCDD	ND	0.277			13C-1,2,3,7,8-PeCDD	67.6	25 - 181	
1,2,3,4,7,8-HxCDD	0.552		J		13C-1,2,3,4,7,8-HxCDD	55.6	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.287			13C-1,2,3,6,7,8-HxCDD	62.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.357			13C-1,2,3,7,8,9-HxCDD	60.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	34.7				13C-1,2,3,4,6,7,8-HpCDD	60.7	23 - 140	
OCDD	257				13C-OCDD	55.4	17 - 157	
2,3,7,8-TCDF	0.387		J		13C-2,3,7,8-TCDF	46.4	24 - 169	
1,2,3,7,8-PeCDF	0.603		J		13C-1,2,3,7,8-PeCDF	61.0	24 - 185	
2,3,4,7,8-PeCDF	0.390		J		13C-2,3,4,7,8-PeCDF	60.1	21 - 178	
1,2,3,4,7,8-HxCDF	1.11		J		13C-1,2,3,4,7,8-HxCDF	58.4	26 - 152	
1,2,3,6,7,8-HxCDF	0.331		J		13C-1,2,3,6,7,8-HxCDF	65.9	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.144			13C-2,3,4,6,7,8-HxCDF	69.2	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.233			13C-1,2,3,7,8,9-HxCDF	60.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	2.32		J		13C-1,2,3,4,6,7,8-HpCDF	65.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.336			13C-1,2,3,4,7,8,9-HpCDF	60.0	26 - 138	
OCDF	7.05				13C-OCDF	56.2	17 - 157	
				CRS	37Cl-2,3,7,8-TCDD	59.4	35 - 197	
					Toxic Equivalent Quotient (TE	Q) Data (pg/g	dry wt)	
					TEQMinWHO2005Dioxin	0.823		
TOTALS								
Total TCDD	ND	0.206						
Total PeCDD	ND	0.277						
Total HxCDD	8.90							
Total HpCDD	85.4							
Total TCDF	0.648	1.3	7					
Total PeCDF	2.37							
Total HxCDF	3.40							
Total HpCDF DL - Sample specifc est	8.02				CL- Lower control limit - upper control limi			

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: PDI-17	5SC-A-01-02-200522						EPA Me	thod 1613B
Project: Gased	or QEA, LLC 9 PDI ay-2020 9:25	Sample DataMatrix:SedimentSample Size:11.0 g% Solids:90.8		La QC	boratory Datab Sample:2001155-03C Batch:B0F0086.te Analyzed :28-Jun-20 17:2	Date Rece Date Extra 1 Column: ZB	icted: 11-Jun-2020	
Analyte Conc.	(pg/g)	DL EMPC	Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.146		IS	13C-2,3,7,8-TCDD	73.4	25 - 164	
1,2,3,7,8-PeCDD	ND	0.155			13C-1,2,3,7,8-PeCDD	90.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.198			13C-1,2,3,4,7,8-HxCDD	74.0	32 - 141	
1,2,3,6,7,8-HxCDD	0.452		J		13C-1,2,3,6,7,8-HxCDD	80.4	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.241			13C-1,2,3,7,8,9-HxCDD	82.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	16.6				13C-1,2,3,4,6,7,8-HpCDD	71.5	23 - 140	
OCDD	142				13C-OCDD	58.8	17 - 157	
2,3,7,8-TCDF	0.448		J		13C-2,3,7,8-TCDF	59.4	24 - 169	
1,2,3,7,8-PeCDF	1.33		J		13C-1,2,3,7,8-PeCDF	83.8	24 - 185	
2,3,4,7,8-PeCDF	0.474		J		13C-2,3,4,7,8-PeCDF	83.2	21 - 178	
1,2,3,4,7,8-HxCDF	16.4				13C-1,2,3,4,7,8-HxCDF	75.3	26 - 152	
1,2,3,6,7,8-HxCDF	5.84				13C-1,2,3,6,7,8-HxCDF	79.4	26 - 123	
2,3,4,6,7,8-HxCDF	0.874		J		13C-2,3,4,6,7,8-HxCDF	80.3	28 - 136	
1,2,3,7,8,9-HxCDF	0.496		J		13C-1,2,3,7,8,9-HxCDF	74.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	12.1				13C-1,2,3,4,6,7,8-HpCDF	77.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	2.59				13C-1,2,3,4,7,8,9-HpCDF	72.4	26 - 138	
OCDF	9.71				13C-OCDF	61.0	17 - 157	
				CRS	37Cl-2,3,7,8-TCDD	76.7	35 - 197	
					Toxic Equivalent Quotient (TE	EQ) Data (pg/g	dry wt)	
					TEQMinWHO2005Dioxin	2.99		
TOTALS								
Total TCDD	ND	0.146						
Total PeCDD	ND	0.155						
Total HxCDD	4.30							
Total HpCDD	39.0							
Total TCDF	1.46							
Total PeCDF	4.19							
Total HxCDF	27.4							
Total HpCDF DL - Sample specifc esti	20.2							

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: PDI-17	5SC-A-02-03-200522							EPA Me	thod 1613B
Project: Gased	or QEA, LLC o PDI ay-2020 9:25	Matr	ple Size: 11.5 g		Lat QC	boratory Data 5 Sample: 2001155-04 2 Batch: B0F0086 te Analyzed : 28-Jun-20 18:07	Date Received: Date Extracted 7 Column: ZB-5MS	: 11-Jun-2020	
Analyte Conc.	. (pg/g)	DL	EMPC	Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.120			IS	13C-2,3,7,8-TCDD	84.0	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0723				13C-1,2,3,7,8-PeCDD	99.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.122				13C-1,2,3,4,7,8-HxCDD	75.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.119				13C-1,2,3,6,7,8-HxCDD	88.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.148				13C-1,2,3,7,8,9-HxCDD	86.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.210				13C-1,2,3,4,6,7,8-HpCDD	78.1	23 - 140	
OCDD	0.608			J		13C-OCDD	64.7	17 - 157	
2,3,7,8-TCDF	ND	0.0795				13C-2,3,7,8-TCDF	74.7	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0560				13C-1,2,3,7,8-PeCDF	93.9	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0516				13C-2,3,4,7,8-PeCDF	98.4	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0565				13C-1,2,3,4,7,8-HxCDF	80.8	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0508				13C-1,2,3,6,7,8-HxCDF	86.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0533				13C-2,3,4,6,7,8-HxCDF	92.2	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0871				13C-1,2,3,7,8,9-HxCDF	86.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0857				13C-1,2,3,4,6,7,8-HpCDF	86.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.101				13C-1,2,3,4,7,8,9-HpCDF	79.7	26 - 138	
OCDF	ND	0.164				13C-OCDF	68.8	17 - 157	
					CRS	37Cl-2,3,7,8-TCDD	99.7	35 - 197	
						Toxic Equivalent Quotient (TE	Q) Data (pg/g dry	wt)	
						TEQMinWHO2005Dioxin	0.000182		
TOTALS									
Total TCDD	ND	0.120							
Total PeCDD	ND	0.0723							
Total HxCDD	ND	0.148							
Total HpCDD	ND	0.210							
Total TCDF	ND	0.0795							
Total PeCDF	ND	0.0560							
Total HxCDF	ND	0.0871							
Total HpCDF	ND	0.101				NT T / 11' '/ / 11' '/			

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Sample ID: Dup	olicate							EPA Met	hod 1613B
Source Client ID: Source LabNumber: Matrix: Sample Size:	PDI-175SC-A-02-03-200522 2001155-04 Solid 11.5 g		QC Batch: Date Extracted:	B0F0086 11-Jun-2020 16:31	Lab San Date An	•	mn: ZB-5MS		
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.124			IS	13C-2,3,7,8-TCDD	83.1	25 - 164	
1,2,3,7,8-PeCDD	ND	0.106				13C-1,2,3,7,8-PeCDD	101	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.135				13C-1,2,3,4,7,8-HxCDD	79.0	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.121				13C-1,2,3,6,7,8-HxCDD	86.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.150				13C-1,2,3,7,8,9-HxCDD	84.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.300				13C-1,2,3,4,6,7,8-HpCDD	77.2	23 - 140	
OCDD	1.89			J		13C-OCDD	66.4	17 - 157	
2,3,7,8-TCDF	ND	0.0742				13C-2,3,7,8-TCDF	70.6	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0473				13C-1,2,3,7,8-PeCDF	97.7	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0410				13C-2,3,4,7,8-PeCDF	105	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0613				13C-1,2,3,4,7,8-HxCDF	81.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0594				13C-1,2,3,6,7,8-HxCDF	83.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0639				13C-2,3,4,6,7,8-HxCDF	89.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0978				13C-1,2,3,7,8,9-HxCDF	84.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.138				13C-1,2,3,4,6,7,8-HpCDF	87.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.179				13C-1,2,3,4,7,8,9-HpCDF	83.9	26 - 138	
OCDF	ND	0.159				13C-OCDF	70.2	17 - 157	
					CRS	37Cl-2,3,7,8-TCDD	88.3	35 - 197	
						Toxic Equivalent Quotient (TE	Q) Data (pg/g dr	y wt)	
						TEQMinWHO2005Dioxin	0.000567		
TOTALS									
Total TCDD	ND	0.124							
Total PeCDD	ND	0.106							
Total HxCDD	ND		0.236						
Total HpCDD	ND	0.300							
Total TCDF	ND	0.0742							
Total PeCDF	ND	0.0473							
Total HxCDF	ND	0.0978							
Total HpCDF	ND	0.179							

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Source Client ID:PDI-175SC-A-02-03-200522Source LabNumber:2001155-04Matrix:Solid						te Lab Sample: B0F0086-I	DUP2		thod 1613B
Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limits		Labeled Standard	Dup %R	Source %R	LCL-UCL
2,3,7,8-TCDD	ND	ND	NA	25	IS	13C-2,3,7,8-TCDD	83.1	84.0	25 - 164
1,2,3,7,8-PeCDD	ND	ND	NA	25		13C-1,2,3,7,8-PeCDD	101	99.6	25 - 181
1,2,3,4,7,8-HxCDD	ND	ND	NA	25		13C-1,2,3,4,7,8-HxCDD	79.0	75.8	32 - 141
1,2,3,6,7,8-HxCDD	ND	ND	NA	25		13C-1,2,3,6,7,8-HxCDD	86.5	88.8	28 - 130
1,2,3,7,8,9-HxCDD	ND	ND	NA	25		13C-1,2,3,7,8,9-HxCDD	84.9	86.5	32 - 141
1,2,3,4,6,7,8-HpCDD	ND	ND	NA	25		13C-1,2,3,4,6,7,8-HpCDD	77.2	78.1	23 - 140
OCDD	1.89	0.608	103	25		13C-OCDD	66.4	64.7	17 - 157
2,3,7,8-TCDF	ND	ND	NA	25		13C-2,3,7,8-TCDF	70.6	74.7	24 - 169
1,2,3,7,8-PeCDF	ND	ND	NA	25		13C-1,2,3,7,8-PeCDF	97.7	93.9	24 - 185
2,3,4,7,8-PeCDF	ND	ND	NA	25		13C-2,3,4,7,8-PeCDF	105	98.4	21 - 178
1,2,3,4,7,8-HxCDF	ND	ND	NA	25		13C-1,2,3,4,7,8-HxCDF	81.4	80.8	26 - 152
1,2,3,6,7,8-HxCDF	ND	ND	NA	25		13C-1,2,3,6,7,8-HxCDF	83.7	86.7	26 - 123
2,3,4,6,7,8-HxCDF	ND	ND	NA	25		13C-2,3,4,6,7,8-HxCDF	89.0	92.2	28 - 136
1,2,3,7,8,9-HxCDF	ND	ND	NA	25		13C-1,2,3,7,8,9-HxCDF	84.7	86.0	29 - 147
1,2,3,4,6,7,8-HpCDF	ND	ND	NA	25		13C-1,2,3,4,6,7,8-HpCDF	87.3	86.2	28 - 143
1,2,3,4,7,8,9-HpCDF	ND	ND	NA	25		13C-1,2,3,4,7,8,9-HpCDF	83.9	79.7	26 - 138
OCDF	ND	ND	NA	25		13C-OCDF	70.2	68.8	17 - 157
					CRS	37Cl-2,3,7,8-TCDD	88.3	99.7	35 - 197

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.Results

reported to the MDL

Sample ID: PDI-17	58C-A-03-04-200522							EPA Me	thod 1613B
Project: Gased	or QEA, LLC 9 PDI ay-2020 9:25	Matr	le Data rix: Sediment ple Size: 11.6 g blids: 86.9		Lab QC	boratory Data Sample: 2001155-05 Batch: B0F0086 te Analyzed : 28-Jun-20 19:39	Date Received Date Extracted O Column: ZB-5M		
Analyte Conc.	(pg/g)	DL	EMPC	Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.118			IS	13C-2,3,7,8-TCDD	90.4	25 - 164	
1,2,3,7,8-PeCDD	ND	0.107				13C-1,2,3,7,8-PeCDD	105	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.130				13C-1,2,3,4,7,8-HxCDD	73.0	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.117				13C-1,2,3,6,7,8-HxCDD	88.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.146				13C-1,2,3,7,8,9-HxCDD	87.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.227				13C-1,2,3,4,6,7,8-HpCDD	72.6	23 - 140	
OCDD	0.539			J		13C-OCDD	59.7	17 - 157	
2,3,7,8-TCDF	ND	0.0881				13C-2,3,7,8-TCDF	81.9	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0973				13C-1,2,3,7,8-PeCDF	103	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0864				13C-2,3,4,7,8-PeCDF	99.4	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0796				13C-1,2,3,4,7,8-HxCDF	80.1	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0730				13C-1,2,3,6,7,8-HxCDF	88.8	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0828				13C-2,3,4,6,7,8-HxCDF	88.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.130				13C-1,2,3,7,8,9-HxCDF	80.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.114				13C-1,2,3,4,6,7,8-HpCDF	80.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.146				13C-1,2,3,4,7,8,9-HpCDF	73.3	26 - 138	
OCDF	ND	0.251				13C-OCDF	64.7	17 - 157	
					CRS	37Cl-2,3,7,8-TCDD	104	35 - 197	
						Toxic Equivalent Quotient (TE	Q) Data (pg/g dry	wt)	
						TEQMinWHO2005Dioxin	0.000162		
TOTALS									
Total TCDD	ND	0.118							
Total PeCDD	ND	0.107							
Total HxCDD	ND	0.146							
Total HpCDD	ND	0.227							
Total TCDF	ND	0.0881							
Total PeCDF	ND	0.0973							
Total HxCDF	ND	0.130							
Total HpCDF	ND	0.146							

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

DATA QUALIFIERS & ABBREVIATIONS

В	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the
	instrument
Н	Recovery and/or RPD was outside laboratory acceptance limits
Ι	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
М	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
Р	The reported concentration may include contribution from chlorinated diphenyl
	ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-В
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
Wisconsin Department of Natural Resources	998036160

Vista Analytical Laboratory Certifications

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated	EPA 23
Dibenzofurans	
Determination of Polychlorinated p-Dioxins & Polychlorinated	EPA TO-9A
Dibenzofurans	

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B
Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue	EPA 1668A/C
by GC/HRMS	
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by	EPA 1699
HRGC/HRMS	
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by	EPA 8280A/B
GC/HRMS	
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated	EPA
Dibenzofurans (PCDFs) by GC/HRMS	8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA
	1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B
Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue	EPA 1668A/C
by GC/HRMS	
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated	EPA 8280A/B
Dibenzofurans by GC/HRMS	
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated	EPA
Dibenzofurans (PCDFs) by GC/HRMS	8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B
Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated	EPA 8280A/B
Dibenzofurans by GC/HRMS	
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated	EPA
Dibenzofurans (PCDFs) by GC/HRMS	8290/8290A

	V.	ANCHOR DEA CCCC venue, Suite 2600, Seattle, WA 98101	ENVIR	ONM	ENTAL SAI	MPLE	CH	AIN	OF CUSTODY	COC ID:	VISTA-20200	522-101746
	POC: *	Delaney Peterson (360-715-27	aney Peterson (360-715-2707)		Project:	Gasco	Gasco PDI		9.7°C	Sample Custodian:	CO	522-101140
		1605 Cornwall Avenue, Belling	ham, WA	98225	Client:	NW N	latural		2001155	Lab:	VISTA	
	COC Sample Number	Field Sample ID	Sample Type	Matrix	Collecte	d Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
	001	PDI-1175SC-A-01-02-200522	FD	SE	05/22/2020		1				12-19-19-19-19-19-19-19-19-19-19-19-19-19-	18 . 2019
					•				Dioxin/Furans	E1613B	30	4°C
20		PDI-175SC-A-00-01-200522		05	0.5.10.0.000				Total solids (VISTA)	SM2540G	30	4°C
e*	002	PDI-175SC-A-00-01-200522	<u>N</u>	SE	05/22/2020	9:25	1		Dioxin/Furans	E1613B	30	4°C
								R	PCB Congeners	E1668A	30	4°C
								olr	Total solids (VISTA)	SM2540G	30	4°C
	003	PDI-175SC-A-01-02-200522	N	SE	05/22/2020	9:25	1				The second second	
									Dioxin/Furans	E1613B	30	4°C
									Total solids (VISTA)	SM2540G	30	4°C
	004	PDI-175SC-A-02-03-200522	N	SE	05/22/2020	9:25	2	X	A large - tarker for the start			
									Dioxin/Furans	E1613B	30	4°C
									Total solids (VISTA)	SM2540G	30	4°C
	005	PDI-175SC-A-03-04-200522	N	SE	05/22/2020	9:25	1					
					•				Dioxin/Furans	E1613B	30	4°C
									Total solids (VISTA)	SM2540G	30	4°C

Comment: W0# 2001156				
	Defension a Dec			Desile 2
Relinquished By:	Relinguished By:	Received By:	Relinguished By:	Received By: Signature
Print Name Seism Noryign Print Name R. Wayd	Print Name	Print Name	Print Name	Print Name
company Ancher DEA company AL	Company	Company	Company	Company
Date/Time SIZI (1 1045 5-27-20 10:27	Date/Time	Date/Time	Date/Time	Date/Time
	normalization have in sharehold ## TAT T		iest Baint of Cantool	

Date Printed: 5/22/2020

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact



Sample Log-In Checklist

						Pag	ge # _	<u> </u>	of/	_
Vista Work Orde	r #: _2001	155				ТА	т			_
Samples	Date/Time			Initials:)	Locat	ion:	WR-	2	
Arrival:	5-27-	20 /	0:27	Wh	N	Shelf/	Rack	:,	VA	_
Delivered By:	FedEx	UPS	On Tra	IC GLS	DHI	- c	Hand eliver		Oth	er
Preservation:	lce		Blu	ue lce		Dry I	се		No	ne
Temp °C: 9,7	7 (uncorrect	ted)		. 6					DT	:2
Temp °C: 9,-	7 (corrected)	robe use	ed: ��/ N		Therm	nome	ter ID:	<u> </u>	2
						Annual Contractor	territ, constant states			
								YES	NO	NA
Shipping Contain	er(s) Intact?							\mathcal{V}	ŕ	
Shipping Custod	y Seals Intac	t?						\mathcal{V}	7	
Airbill	Trk #	7	705	4897	19	61		\mathcal{V}	1	
Shipping Docum	entation Pres	ent?						\mathcal{V}		
Shipping Contain	ier	V	'ista	Client) R	etain	Re	eturn	Disp	oose

Initials:

Comments:

Logged In:

Holding Time Acceptable?

ID.: LR – SLC

0623

Chain of Custody / Sample Documentation Present? Chain of Custody / Sample Documentation Complete?

Date/Time

05/28/20

COC Anomaly/Sample Acceptance Form completed?

Page: 1 of 1

WR-2

G - 4

Location:

Shelf/Rack:

CoC/Label Reconciliation Report WO# 2001155

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2001155-01	A PDI-1175SC-A-01-02-200522	I	and the set of the set	22-May-20 09:25	ত	Amber Glass, 120 mL	Solid	
2001155-02	A PDI-175SC-A-00-01-200522			22-May-20 09:25		Amber Glass, 120 mL	Solid	
2001155-03	A PDI-175SC-A-01-02-200522			22-May-20 09:25		Amber Glass, 120 mL	Solid	
2001155-04	A PDI-175SC-A-02-03-200522			22-May-20 09:25		Amber Glass, 120 mL	Solid	DUP
2001155-04	B PDI-175SC-A-02-03-200522			22-May-20 09:25	ব্র	Amber Glass, 120 mL	Solid	DUP
2001155-05	A PDI-175SC-A-03-04-200522			22-May-20 09:25		Amber Glass, 120 mL	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.

Any discrepancies are noted in the following columns.

	Yes	No	NA	Comment
Sample Container Intact?	\checkmark			Ī
Sample Custody Seals Intact?			~	İ
Adequate Sample Volume?	\checkmark			Ì
Container Type Appropriate for Analysis(es)				Ì
Preservation Documented: Na2S2O3 Trizma None Other		\checkmark	\checkmark	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			\checkmark	

Verifed by/Date: <u>KS 05/28/20</u>



ANOMAL	Y.	F	OR	M
--------	----	---	----	---

Vista Work Order <u>2001155</u>

Initial/Date	The fo	llowing checked issues were noted during sample receipt and login:
<u>KS 05128/20</u>	X	1. The samples were received out of temperature at (WI-PHT): <u>9.7°C</u> Was Ice present: Yes No Melted Blue Ice
		2. The Chain-of-Custody (CoC) was not relinquished properly.
		3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.
		4. The sample(s) did not include a sample collection time. All or Sample Name:
		5. A sample ID discrepancy was found. See the Reconciliation report. The CoC Sample ID will be used unless notified otherwise.
		6. A sample date and/or time discrepancy was found. See the Reconciliation report. The CoC Sample date/time will be used unless notified otherwise.
		7. The CoC did not include a sample matrix. The following sample matrix will be used:
		8. Insufficent volume received for analysis. All or Sample Name:
		9. The backup bottle was received broken. Sample Name:
		10. CoC not received, illegible or destroyed.
		11. The sample(s) were received out of holding time. All or Sample Name:
		12. The CoC did not include an analysis. All or Sample Name:
		13. Sample(s) received without collection date. All or Sample Name:
		14. Sample(s) not received. All or Sample Name:
		15. Sample(s) received broken. All or Sample Name:
		16. An incorrect container-type was used. All or Sample Name:
		17. Other:

Bolded items require sign-off	
Client Contacted: Delaney Peterson	
Date of Contact: 05 28 20	
Vista Client Manager: Jade White	<u>.</u>
Resolution: Per Delaney Peterson via e	mail on 05/28/20, 0kay to proceed

EXTRACTION INFORMATION

Process Sheet Workorder: 2001155

[•] Prep Expiration: 2021-05-22 Client: Anchor QEA, LLC

Workorder Due:24-Jun-20 00:00

TAT: 28

Method Matrix	: 1613 Full List : Solid	Pr	rep Batch: 60 F @ 86
Client Matrix: Also run:	Sediment Percent Solids	Prep Data E	Entered: <u><i>CM</i></u> <i>Ob</i> /16/20 Date and Initials
		Initial S	Sequence: SOFOO90
LabSampleID	Reçon ClientSampleID	Date Received	Location Comments
2001155-01 <u>A</u>	PDI-1175SC-A-01-02-200522	27-May-20 10:27	WR-2 G-4
2001155-02	PDI-175SC-A-00-01-200522	27-May-20 10:27	WR-2 G-4
2001155-03	PDI-175SC-A-01-02-200522	27-May-20 10:27	WR-2 G-4
2001155-04	PDI-175SC-A-02-03-200522	27-May-20 10:27	WR-2 G-4 DUP
2001155-05	PDI-175SC-A-03-04-200522	27-May-20 10:27	WR-2 G-4

WO Comments: Dioxin - 10g (dry weight)	
One dup required per batch of 20 samples	

Pre-Prep Check Out: CHT 05/74/70	Prep Check Out: PR 66/13/20	Prep Reconciled Initals/Date: CHT 05/24/20
Pre-Prep Check In: <u>CHT 05/24/20</u>	Prep Check In: <u>P.P. 06/13/20</u>	Spike Reconciled Initals/Date: P.P. 06/13/20
		VialBoxID: CURVE

Page 1 of 1

PREPARATION BENCH SHEET

Matrix: Solid

B0F0086

Chemist: _______R

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 11-Jun-20 16:31

					Pr	epared using	: HR	MS - Soxhi	let							
					Colu	ımn Packer:			Τ							
Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CHI	RS/PS EM/WIT DATE		AP CHEM/ DATE		ABSG CHEM/ DATE	C	AA HEM/ DATE	CH	risil EM/ ATE	CHE	RS M/WIT ATE
1.1	BOF0086-BLK1	IVA	(10,00)	RP DF ad 13/2	Ell A	z 06/14/20	E	06/14/20	l	M06/15720	Ell	06/15720	Ell.	0415720	U	AZ (16/16/21
A2	B0F0086-BS1	\checkmark	(10,00)		Т	- /	↓ ↓						l		٦	
A3	B0F0086-DUP1	16,70	16.73				Ell	00/14/20		reliom/lorown						
АY	B0F0086-DUP2 2001155-04	11.39	11.49				N	A.								
A5	B0F0086-DUP3 2001132-01	12.62	12.72					L		brown						
A6	2000996-02RE1	16.70	16.80				Ell	06/14/20		yerne horown						
A7	2001007-04RE1	13.39	13,46				T			vellow/black						
	2001007-05RE1	16.13	16.36													
	2001007-06RE1	16.96	17.18				V									
		12.62	12.63				14	ê		brown						
1.	2001132-02	11.25	11.27													
	2001132-03	10.91	10.96													
17	2001132-04	11.67	11.72													
	2001132-05	13.36	13.49				<u> </u>									
B3	2001155-01 04	11.05	11.08	N/		<u> </u>	YIL	06/14/2	0	AFTIOM PLAD	<u>۸</u>	N	<u> </u>		,	\bigvee
	192301,10ml 4 1871913,10ml 4 18:20E0701,10ML 20E0702,10ML (() () () () () () () () () () () () () (rt Date/Time //3/20 600	APP: SEFUN SC SOLV: T6/UE Other VA Final Volume(s)	ne	Check Out: Chemist/Date: Check In: Chemist/Date: Balance ID: <u>H</u>	220	6/13/20	Chen <u> </u> <u> </u> <u> </u> <u> </u> 	Iet Siphoned hist/Date: bb/13/200 Gransfer hist/Date:	tes: Samp YUN Samp	les look extract es went 21 aftl	visib ion thro	yeu of yeu of ugh i	feren 0/14/2 2nd si	t 20 hifate
Diox/j	F PCB PAH PEST PBDE		0800		oul					<u> </u>	ywww	i yu	~ 		YW	06/14/20
2 = Sa 3 = Sa	umple approached dryness on umple bumped on rotovap; lo umple poured through Na2SC ecipitate present at Final Vol	st < 5%)4 to remove ume	6 =	(b) Sample homogenized Sample clogged durin Sohxlet approached d	l in seconda ng extaction	SIGUE ON ry container 610 ; pipetted and us	wdou	NN (NOT CN	yst	alized ()	nove Nate	d vouv , cluvii	NG	tom <u>i</u> Slovis		W 06/15/22
	Work Order 20011:	>>													Page 2	25 of 638

PREPARATION BENCH SHEET

Matrix: Solid

B0F0086

Chemist: ______

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 11-Jun-20 16:31

						Column Packer:					
	Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
	B4	2001155-02	10.88	11.02	RR DFOHIND	Ell AZ 06/14/20	ELL 04/14/20	Ell ad 15720	Ell 01/15/20	EU 0415720	4111 AZ 00/16/20
ę	B5	2001155-03	11.01	11.03	T	T	Ţ	TI		T	TT
7	助	2001155-04	11.39	11.47			N/A				
6	B 7	2001155-05	I)[a]	11,58	X	V					\bigvee

* 11 06/14/20

© moved voundbottom under column late during flovisil Ell 06/15720

5 = Sample homogenized in secondary container

7 = Sohxlet approached dryness

6 = Sample clogged during extaction; pipetted and used Nitrogen to assist

IS:		0, 9, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	APP: SEFUN SOX (SDS SOLV: Toluene	Check Out: Chemist/Date: 2-2-06/13/20	Soxhlet Siphoned Chemist/Date:	Notes:
	18: 71913, 10, 1 VO s: 20E0 701, 10, 1000	Start Date/Time 66/13/20 1600	N/A	Check In: Chemist/Date: P.P. 06/13/20	RP 06/13/20	
				Balance ID: HPMS-8	Vial Transfer Chemist/Date:	
	PCB PAH PEST PBDE HCB		ZOML		Ell 06/16/20	

Comments:

- 1 = Sample approached dryness on rotovap
- 2 = Sample bumped on rotovap; lost < 5%
- 3 = Sample poured through Na2SO4 to remove water

4 = Precipitate present at Final Volume

Work Order 2001155

Page 26 of 638

D2216-90 BATCH ID B0E0247 Analyst: CHT / Test Code: %Moist/%Solids Data Entry Verified by: (Initial and Date) CHY Data Entry Verified by: (Initial and Date) CHY O (6 | §/2/20)

		1
Inst	HRMS-9	~

Date/Time IN: , Date/Time OUT, 5/29/20 11:15 ✓ 6/1/20 9:50 ✓

	В	С	D	ε	F	G	н	1	к			N	0	Р
					СНТ 05/29/20 🗸	CHT 06/01/20 J			CHT 05/29/2	5-2				CHT 05/2920 🗸
Particle Size	SamplD		SampType	Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection		Before		Acid Added	Sample Homogenized*
	2001155-01	A 🗸	Sample	1.3000 🗸	5.6000 J	5.1900 J	3.8900	90.47	Soil 🗸			N/A	N/A	x 🗸
	2001155-02	A	Samp le	1.3000 🗸	5.1500 /	4.8400 √	3.5400	91.95		N/A		N/A	N/A	× 🗸
	2001155-03	A /	Samp le	1.3000 🗸	5.9800 🗸	5.5500 🗸	4.2500	90.81		N/A		N/A	N/A	× ⁄
	2001155-04	A	Sample	1.3100 /	5.5700 🗸	5.0500 /	3.7400	87.79		N/A		N/A	N/A	× ✓
	2001155-05	A	Sample	1.3000 🗸	6.1900 🗸	5.5500 🗸	4.2500	86.91	Soil√	N/A	N/A	N/A	N/A	x 🗸
	_													
													_	
									_					
		_												
												· ·		

*Sample homogenized in sample container unless otherwise noted.

D2216-90 BATCH ID B0E0247

and a second

Date/Time IN: Date/Time OUT Inst HRMS-9 05/29/20 06/01/20 0450 1115 В С D н G κ М Ν 0 CHT 05/29/70 CHT 05/24/20 Intial and Date: CHT Obroilzo CHT 05129120 Pan Wet Pan and Sample Dry Pan and Sample **Dry Sample** %Solids Cŀ pH Acid Particle Size SampID SampType Visual pН Sample Tare Wt. (gms) Weight (g) Weight (g) RawVal Before After Added Weight (g) Inspection Homogenized* 5.19 5.60 Soil 1.30 2001155-01 Sample . Mt CHI 4.84 5.15 1.50 1 2001155-02 Sample 06/01/20 5.55 1.30 5.98 00/01/ 2001155-03 1 Sample 1.3 5.57 5.05 2001155-04 1 Sample \mathbf{r} / 5.55 1.30 6.19 J 2001155-05 Sample

*Sample homogenized in sample container unless otherwise noted.

BCH_PMOIST_B0E0247

Batch: B0F0086

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000996-02RE1	<u>16.8 √</u>	59.88593	10.0608	20 7					Sediment	1613 Full List
2001007-04RE1	13.46 J	74.69697	10.0542	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001007-05RE1	16.36	61.99525	10.1424	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001007-06RE1	1 7.18 J	58.94736	10.1272	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001132-01	12.63 √	79.25764	10.0102	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001132-02	11.27 🗸	88.91625	10.0209	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001132-03	10.96 J	91.61848	10.0414	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001132-04	11.72 √	85.66978	10.0405	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001132-05	13.49 J	74.82679	10.0941	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001155-01	11.08 🗸	90.46512	10.0235	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001155-02	11.02 ✓	91.94805	10.1327	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001155-03	11.03 🗸	90.81197	10.0166	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001155-04	11.47 🗸	87.79343	10.0699	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001155-05	11.58 √	86.91207	10.0644	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
B0F0086-BLK1	10 J	100	(10.00)	20	11-Jun-20 16:31	RR				QC
B0F0086-BS1	10 J	100	(10.00)	20	11-Jun-20 16:31	RR	18F1913	✓ 10 ✓		QC
B0F0086-DUP1	16.73 √	59.88593	10.0189161	20	11-Jun-20 16:31	RR				QC
B0F0086-DUP2	11.49 ✓	87.79343	10.0874651	20	11-Jun-20 16:31	RR				QC
B0F0086-DUP3	12.72 J	79.25764	10.0815718	20	/ 11-Jun-20 16:31	RR 🗸				QC

All bolded data on report verified against written benchsheet by (initial/date) $\mathcal{GM}_{00/10/20}$

Work Order 2001155

Printed: 6/16/2020 12:39:21PM Page 1 of 1

Page 29 of 638

SAMPLE DATA – EPA METHOD 1613

Quantify Sample Summary Report Vista Analytical Laboratory		MassLynx 4.1		
Dataset:	U:\VG7.PRO\Results\20	0623D2\200623D2_5.qld		
Last Altered: Printed:		020 11:52:58 Pacific Daylight Time 020 11:53:54 Pacific Daylight Time)B	6/24/20

C7 06/25/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

State .	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL EMPC
1	1 2,3,7,8-TCDD			NO	0.986	10.000	26.081		1.001				0.519 0.479
2	2 1,2,3,7,8-PeCDD			NO	0.964	10.000	30.629		1.001				0.418
3	3 1,2,3,4,7,8-HxCDD			NO	1.16	10.000	33.916		1.000				0.605
4	4 1,2,3,6,7,8-HxCDD			NO	1.01	10.000	34.016		1.000				0.665
5	5 1,2,3,7,8,9-HxCDD			NO	1.01	10.000	34.346		1.001				0.716
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.997	10.000	37.801		1.000				1.26
7	7 OCDD			NO	1.01	10.000	41.038		1.000				1.09
8	8 2,3,7,8-TCDF			NO	0.833	10.000	25.280		1.001				0.393
9	9 1,2,3,7,8-PeCDF			NO	0.965	10.000	29.442		1.001				0.201
10	10 2,3,4,7,8-PeCDF			NO	1.01	10.000	30.357		1.001				0.195
11	11 1,2,3,4,7,8-HxCDF			NO	1.09	10.000	33.017		1.000				0.232
12	12 1,2,3,6,7,8-HxCDF			NO	1.07	10.000	33.159		1.000				0.238
13	13 2,3,4,6,7,8-HxCDF			NO	1.15	10.000	33.776		1.001				0.261
14	14 1,2,3,7,8,9-HxCDF			NO	1.11	10.000	34.674		1.000				0.390
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.16	10.000	36.555		1.001				0.321
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.35	10.000	38.317		1.000				0.332
17	17 OCDF			NO	0.949	10.000	41.247		1.000				0.741
18	18 13C-2,3,7,8-TCDD	4.53e4	0.7 9	NO	1.26	10.000	26.131	26.05	1.026	1.023	133.18	66.6	2.53
19	19 13C-1,2,3,7,8-PeCDD	3.80e4	0.64	NO	0.921	10.000	30.614	30.61	1.202	1.202	152.81	76.4	0.719
20	20 13C-1,2,3,4,7,8-HxCDD	2.76e4	1.35	NO	0.707	10.000	33.902	33.91	1.014	1.014	142.62	71.3	2.31
21	21 13C-1,2,3,6,7,8-HxCDD	3.48e4	1.32	NO	0.829	10.000	34.012	34.02	1.017	1.017	153.67	76.8	1.97
22	22 13C-1,2,3,7,8,9-HxCDD	3.21e4	1.31	NO	0.808	10.000	34.283	34.31	1.025	1.026	145.47	72.7	2.02
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.38e4	1.03	NO	0.662	10.000	37.747	37.79	1.129	1.130	131.68	65.8	1.68
24	24 13C-OCDD	3.80e4	0.88	NO	0.608	10.000	40.769	41.04	1.219	1.227	228.33	57.1	1.65
25	25 13C-2,3,7,8-TCDF	6.44e4	0.81	NO	1.07	10.000	25.214	25.25	0.990	0.992	131.83	65. 9	1.57
26	26 13C-1,2,3,7,8-PeCDF	6.08e4	1.62	NO	0.826	10.000	29.435	29.42	1.156	1.155	160.80	80.4	1.31
27	27 13C-2,3,4,7,8-PeCDF	5.72e4	1.75	NO	0.796	10.000	30.334	30.33	1.191	1.191	157.17	78.6	1.35
28	28 13C-1,2,3,4,7,8-HxCDF	4.07e4	0.50	NO	1.08	10.000	33.033	33.02	0.988	0.988	138.56	69.3	1.40
29	29 13C-1,2,3,6,7,8-HxCDF	4.53e4	0.51	NO	1.12	10.000	33.167	33.15	0.992	0. 991	147.44	73.7	1.34
30	30 13C-2,3,4,6,7,8-HxCDF	3.96e4	0.51	NO	1.02	10.000	33.738	33.74	1.009	1.009	141.44	70.7	1.47
31	31 13C-1,2,3,7,8,9-HxCDF	3.21e4	0.49	NO	0.887	10.000	34.638	34.67	1.036	1.037	132.55	66.3	1.70

Quantify Sample Summary ReportMassLynx 4.1Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

.

4

۲

Last Altered:	Wednesday, June 24, 2020 11:52:58 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:53:54 Pacific Daylight Time

٠.

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

125	# Name	Resp	RA	n/y	RRF	wt/voi	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.95e4	0.42	NO	0.811	10.000	36.343	36.52	1.087	1.092	133.16	66.6	1.63	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.11e4	0.42	NO	0.598	10.000	38.349	38.32	1.147	1.146	128.88	64.4	2.21	
34	34 13C-OCDF	4.68e4	0.88	NO	0.752	10.000	40.923	41.25	1.224	1.234	227.58	56.9	1.64	
35	35 37Cl-2,3,7,8-TCDD	1.87e4			1.24	10.000	26.129	26.07	1.026	1.023	55.790	69.7	0.264	
36	36 13C-1,2,3,4-TCDD	5.40e4	0.83	NO	1.00	10.000	25.480	25.47	1.000	1.000	200.00	100	3.18	
37	37 13C-1,2,3,4-TCDF	9.15e4	0.78	NO	1.00	10.000	24.020	24.02	1.000	1.000	200.00	100	1.67	
38	38 13C-1,2,3,4,6,9-HxCDF	5.47e4	0.49	NO	1.00	10.000	33.530	33.43	1.000	1.000	200.00	100	1.51	
39	39 Total Tetra-Dioxins				0.986	10.000	24.620		0.000				0.359	
40	40 Total Penta-Dioxins				0.964	10.000	29.960		0.000				0.195	
41	41 Total Hexa-Dioxins				1.01	10.000	33.635		0.000				0.289	
42	42 Total Hepta-Dioxins				0.997	10.000	37.640		0.000				0.445	
43	43 Total Tetra-Furans				0.833	10.000	23.610		0.000		0.00000		0.189	0.596
44	44 1st Func. Penta-Furans				0.965	10.000	27.090		0.000				0.0407	
45	45 Total Penta-Furans				0.965	10.000	29.275		0.000				0.0970	
46	46 Total Hexa-Furans				1.15	10.000	33.555		0.000				0.144	
47	47 Total Hepta-Furans				1.16	10.000	37.835		0.000				0.218	

Quantify Totals Report MassLynx 4.1

Vista Analytical Laboratory

Page 1 of 2

U:\VG7.PRO\Results\200623D2\200623D2_5.qld Dataset:

Last Altered:	Wednesday, June 24, 2020 11:52:58 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:53:54 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

Tetra-Dioxins

Name	RT	m1 Height m2 Height	m1 Resp m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1									

Penta-Dioxins

10.00	Name	RT	m1 Height m2 Height	m1 Resp	m2 Resp	RA n/y	Resp	Conc.	EMPC	DL
100000	Sec.									

Hexa-Dioxins

Name	RT	m1 Height m2 Height	m1 Resp	m2 Resp	RA r	n/y	Resp	Conc.	EMPC	DL
1										

Hepta-Dioxins

Name	RT	m1 Height m2 Height	m1 Resp m2 Resp	RA n/y	Flesp	Conc.	EMPC	DL
1								

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	25.48	2.011e3	1.458e3	1.128e2	9.042e1	1.25	YES	0.000e0	0.00000	0.59644	0.189

Penta-Furans function 1

m1 Resp m2 Resp RA n/y m1 Height m2 Height Resp Conc. EMPC DL RT Name

Quantify Totals Report MassLynx 4.1 Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered: Wednesday, June 24, 2020 11:52:58 Pacific Daylight Time Printed: Wednesday, June 24, 2020 11:53:54 Pacific Daylight Time

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

Name RT m1 Height m2 Helght m1 Resp m2 Resp RA n/y Resp Conc. EMPC DL

Hexa-Furans

1 States	Name	RŤ	m1 Height m2 Height	m1 Resp m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1										

Hepta-Furans

Name RT m1 Height m2 Height m1 Resp m2 Resp RA n/y Resp Conc. EMPC DL

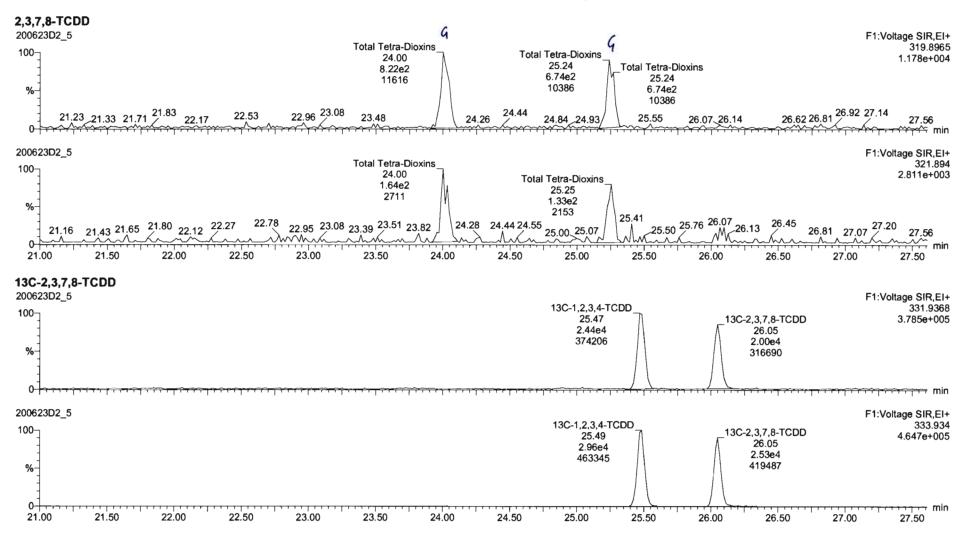
Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory Vista Analytical Laboratory

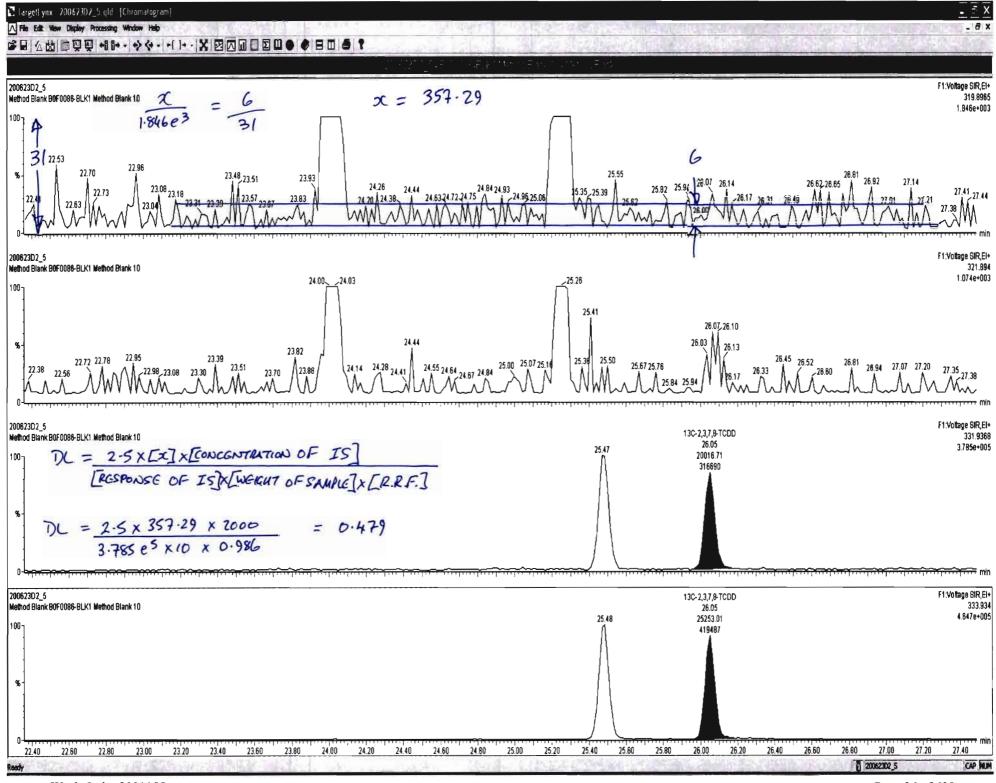
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank



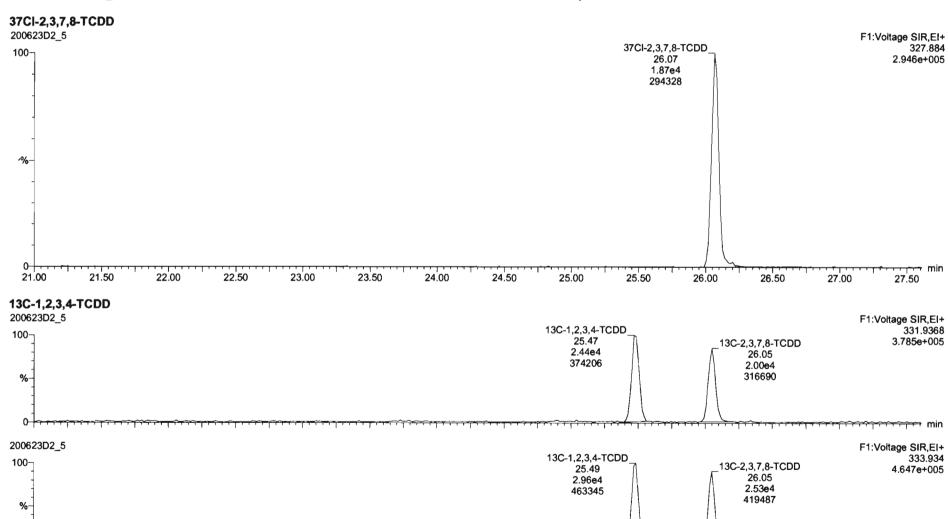


Work Order 2001155

Page 36 of 638

Quantify San Vista Analytica		Page 2 of 13
Dataset:	U:\VG7.PRO\Results\200623D2\200623D2_5.qld	
Last Altered: Printed:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time	

Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank



21.50

22.00

22.50

23.00

23.50

24.00

24.50

25.00

25.50

26.00

26.50

0|... 21.00

27.00

----- min

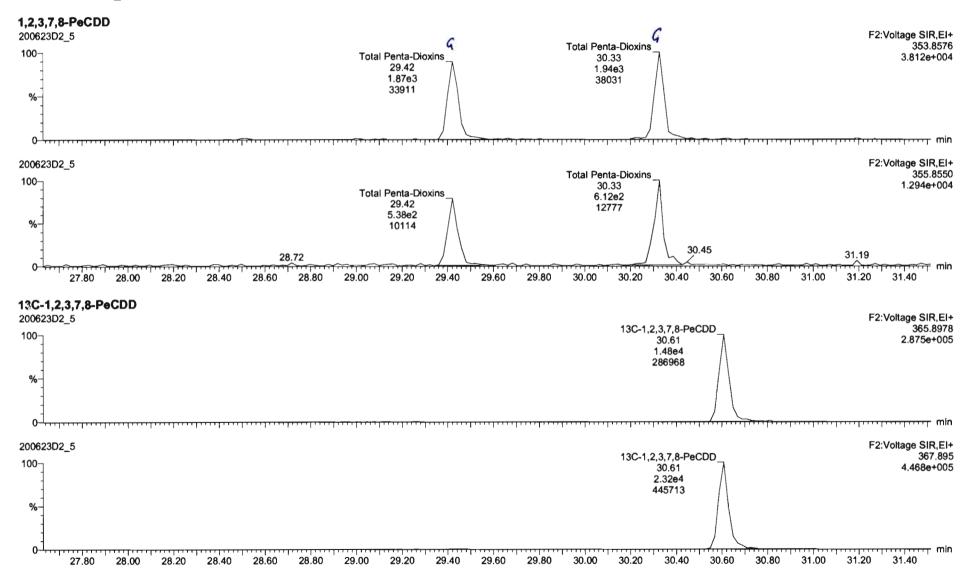
27.50

Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1

÷.

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

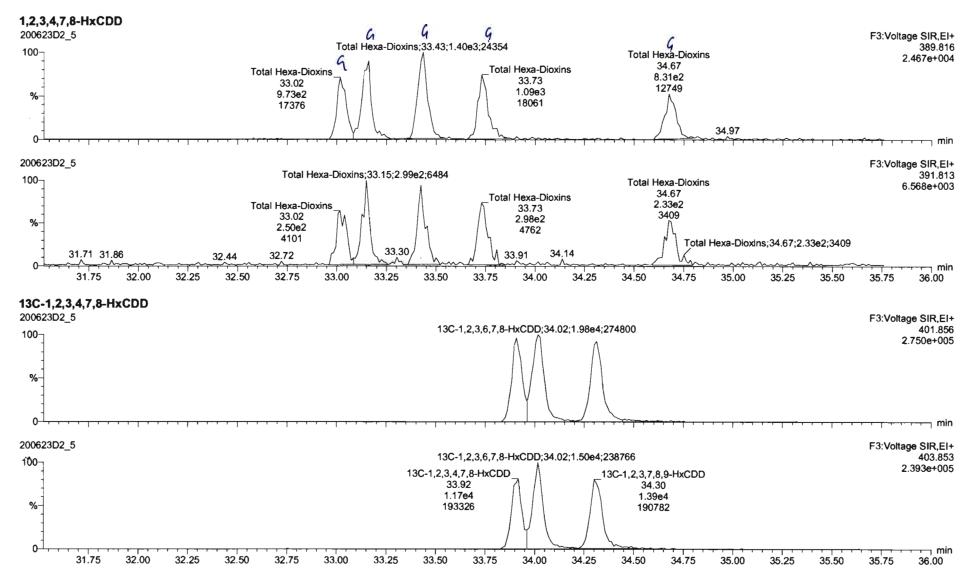


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

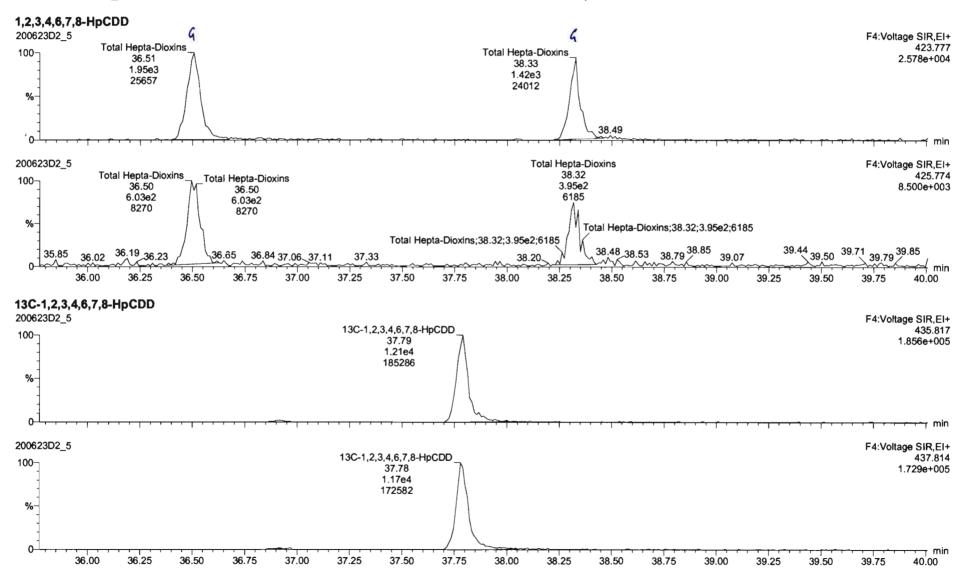
Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

Ŧ



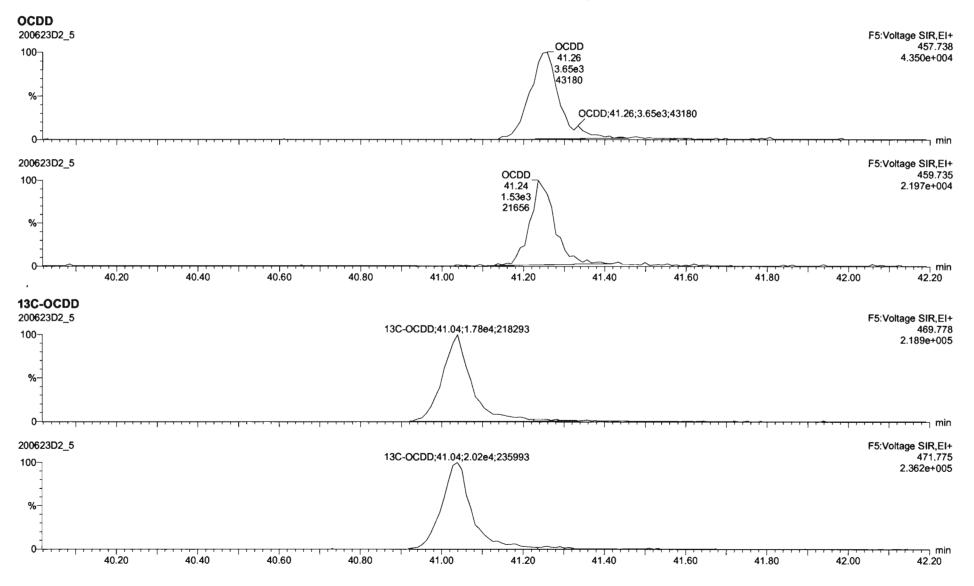
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time



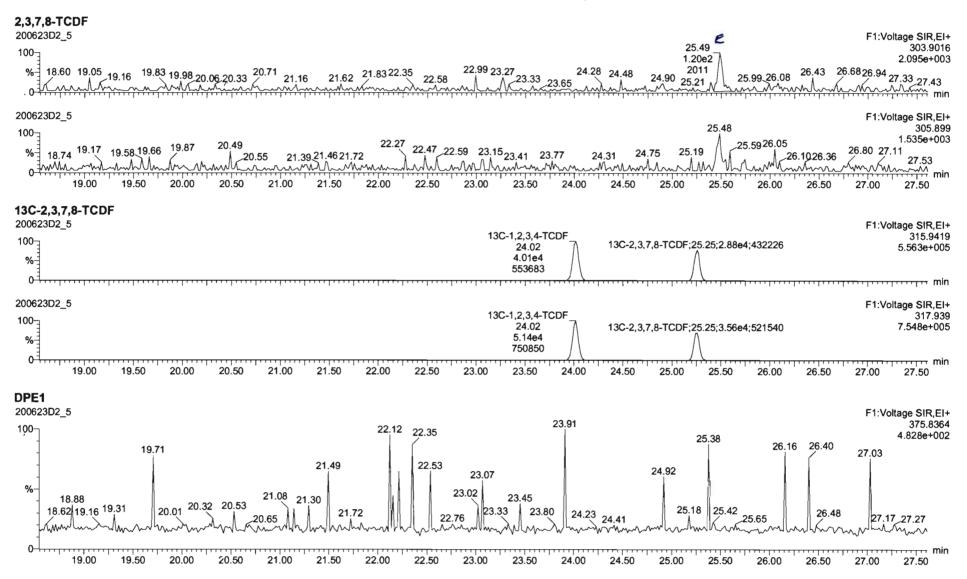
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

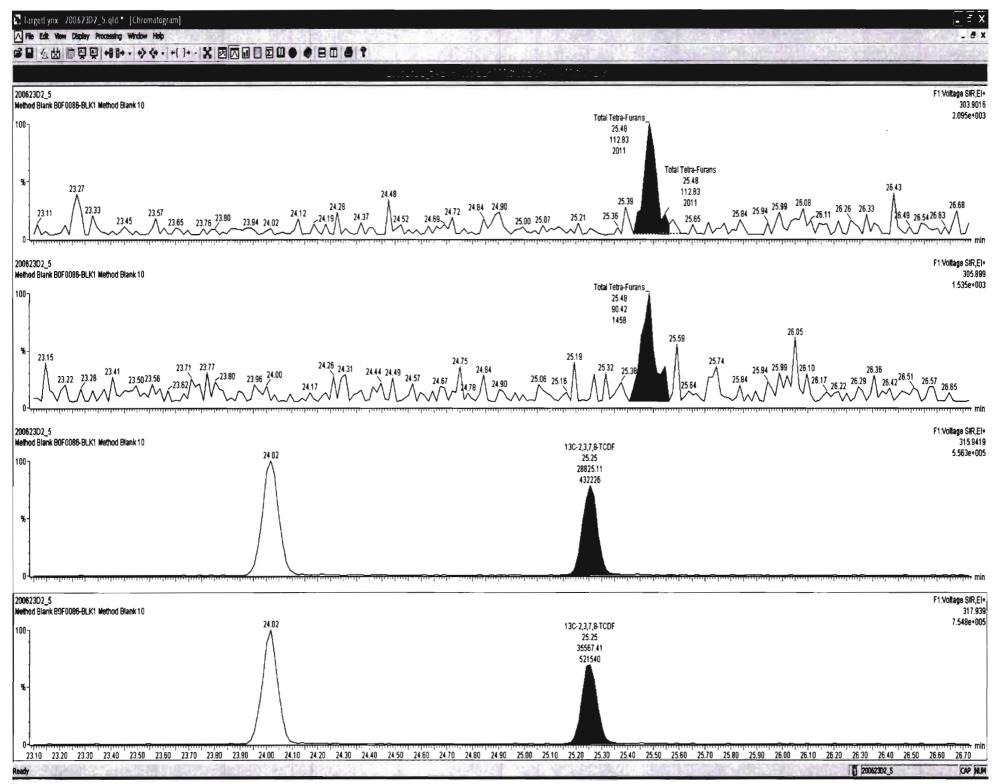
Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time



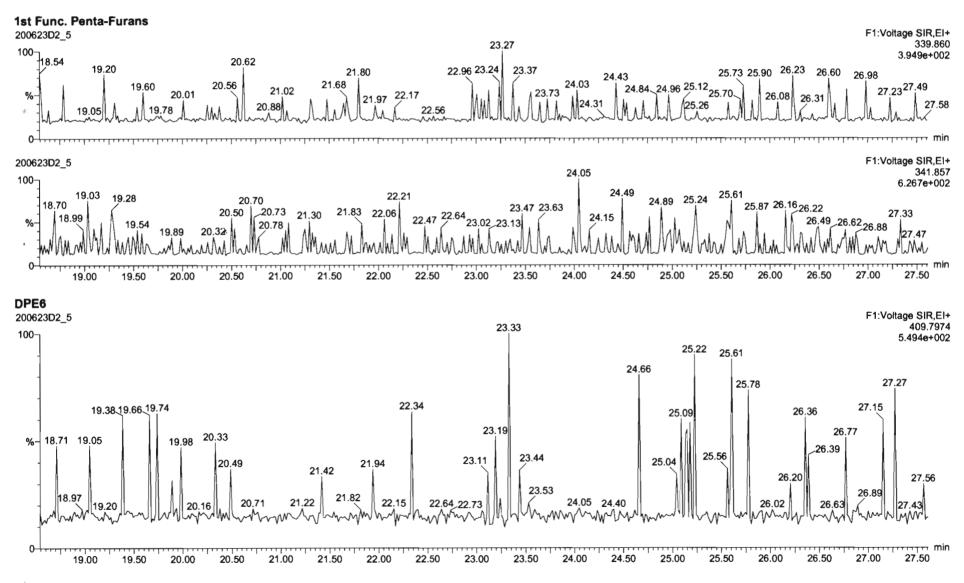


Work Order 2001155

Quantify Sample Report MassLynx 4.1

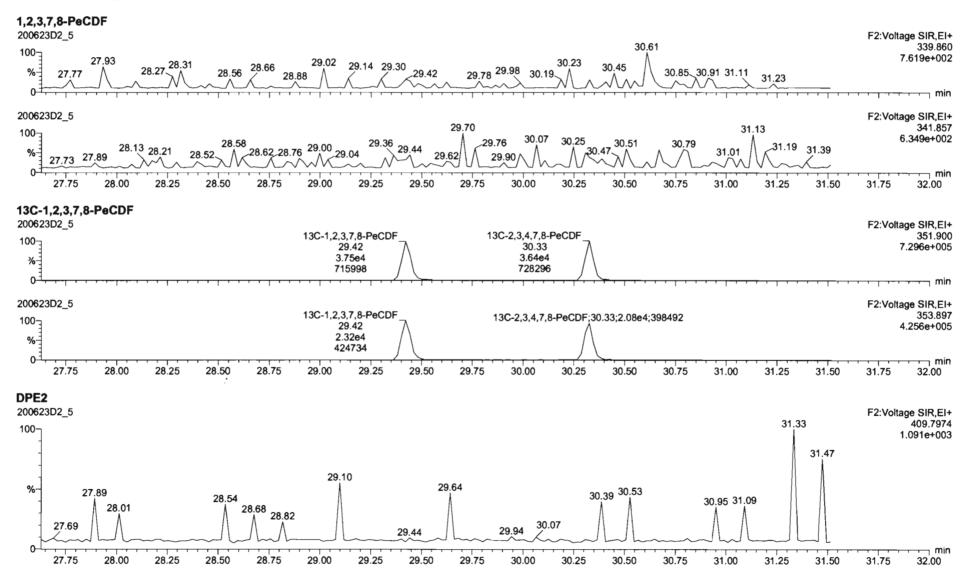
U;\VG7.PRO\Results\200623D2\200623D2 5.gld Dataset:

Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time



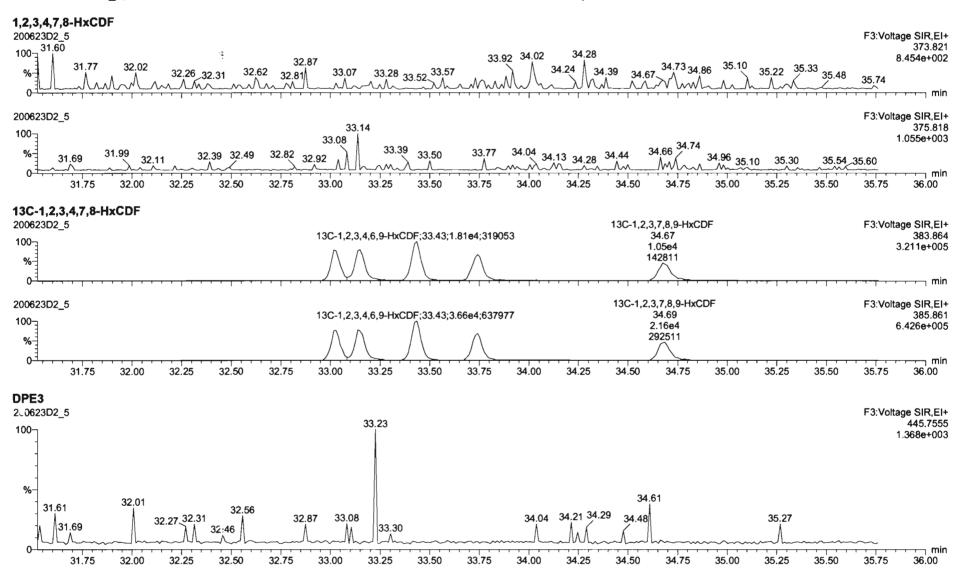
Dataset: U:\VG7.PRO\Results\2:)0623D2\200623D2_5.qld

Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time



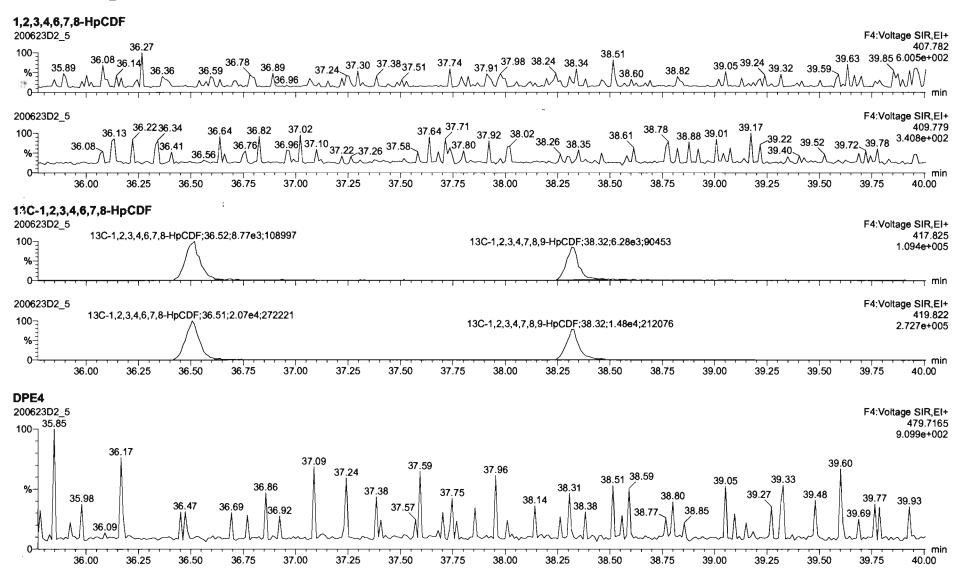
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

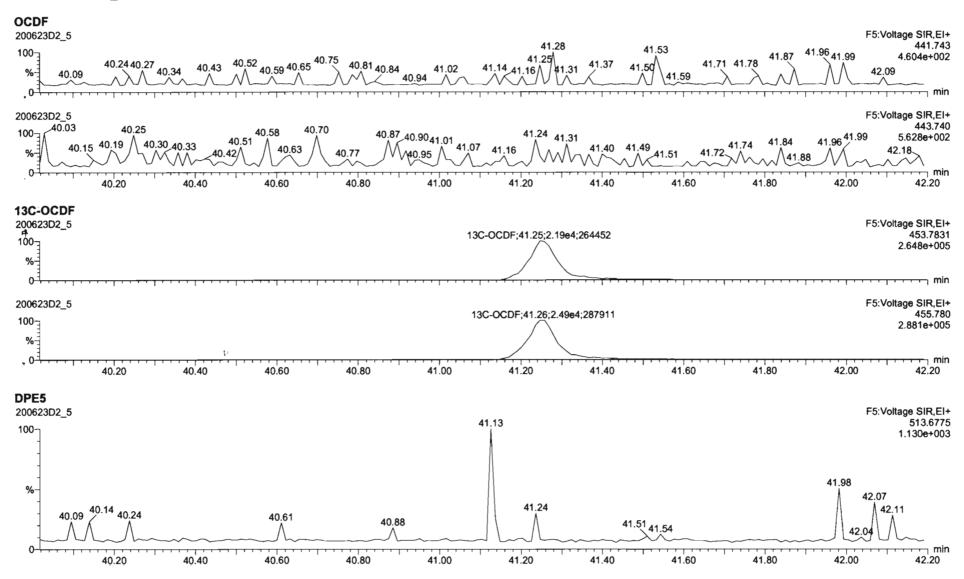


Quantify Sample Report MassLynx 4.1

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

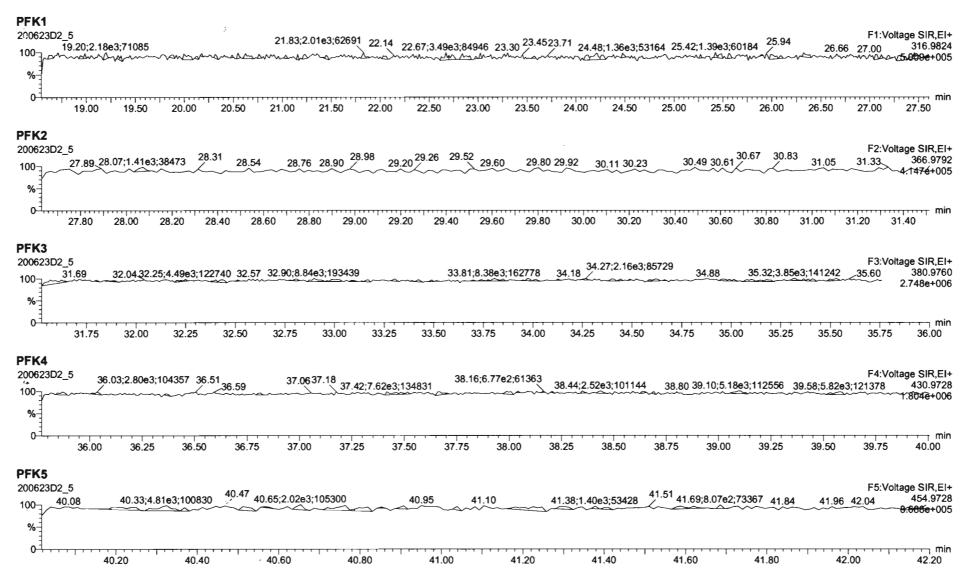


Quantify Sample Report MassLynx 4.1

Vista Analytical Laboratory

Cataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time



Quantify San Vista Analytica	ple Summary Report MassLynx 4.1		Pa
Dataset:	U:\VG7.PRO\Results\200623D2\200623D2_3.qld		
Last Altered: Printed:	Wednesday, June 24, 2020 11:41:56 Pacific Daylight Time Wednesday, June 24, 2020 11:43:36 Pacific Daylight Time	DB 6/24/20	C706/25/2020

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

10.00	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1 10 1	1 2,3,7,8-TCDD	9.61e2	0.79	NO	0.986	10.000	26.097	26.10	1.001	1.001	21,264	106 67 - 158	2.60	21.3
2	2 1,2,3,7,8-PeCDD	5.83e3	0.64	NO	0.964	10.000	30.629	30.63	1.001	1.001	102.22	102 70 -142		102
3	3 1,2,3,4,7,8-HxCDD	6.89e3	1.25	NO	1.16	10.000	33.927	33.94	1.000	1.001	92.805	92.8 70 - 164		92.8
4	4 1,2,3,6,7,8-HxCDD	8.48e3	1.27	NO	1.01	10.000	34.027	34.04	1.000	1.000	96.092	96.1 76-134		96.1
5	5 1,2,3,7,8,9-HxCDD	1.08e4	1.19	NO	1.01	10.000	34.346	34.33	1.001	1.001	90.926	90.9 64 - 162	1.37	90.9
6	6 1,2,3,4,6,7,8-HpCDD	9.23e3	1.14	NO	0.997	10.000	37.801	37.80	1.000	1.000	99.656	99.7 70 - 140		99.7
7	7 OCDD	1.59e4	0.83	NO	1.01	10.000	41.038	41.05	1.000	1.000	184.23	92.1 78 - 144	2.27	184
8	8 2,3,7,8-TCDF	1.10e3	0.88	NO	0.833	10.000	25.280	25.29	1.001	1.001	21.615	108 75-158	2.39	21.6
9	9 1,2,3,7,8-PeCDF	7.17e3	1.49	NO	0.965	10.000	29.462	29.44	1.001	1.000	92.990	93.0 80 - 134	1.38	93.0
10	10 2,3,4,7,8-PeCDF	6.81e3	1.43	NO	1.01	10.000	30.356	30.35	1.001	1.001	98.709	98.7 68-160		98.7
11	11 1,2,3,4,7,8-HxCDF	9.79e3	1.23	NO	1.09	10.000	33.039	33.05	1.000	1.000	103.23	103 72-134		103
12	12 1,2,3,6,7,8-HxCDF	1.22e4	1.26	NO	1.07	10.000	33.159	33.17	1.000	1.001	104.30	104 84 - 130		104
13	13 2,3,4,6,7,8-HxCDF	1.38e4	1.26	NO	1.15	10.000	33.786	33.75	1.001	1.000	99.799	99.8 70 - 156		99.8
14	14 1,2,3,7,8,9-HxCDF	9.32e3	1.24	NO	1.11	10.000	34.685	34.70	1.000	1.000	100.17	100 78 -130	2.37	100
15	15 1,2,3,4,6,7,8-HpCDF	1.33e4	1.01	NO	1.16	10.000	36.554	36.53	1.001	1.000	97.079	97.1 82-122		97.1
16	16 1,2,3,4,7,8,9-HpCDF	9.55e3	1.05	NO	1.35	10.000	38.328	38.34	1.000	1.000	98.726	98.7 78-138	1.85	98.7
17	17 OCDF	2.11e4	0.92	NO	0.949	10.000	41.258	41.28	1.000	1.001	218.94	109 63 -170	1.85	219
18	18 13C-2,3,7,8-TCDD	9.16e3	0.88	NO	1.26	10.000	26.163	26.07	1.026	1.022	31.439	15.7 20 - 175		
19	19 13C-1,2,3,7,8-PeCDD	1.18e4	0.58	NO	0.921	10.000	30.651	30.61	1.202	1.200	55.474	27.7 21 - 227		
20	20 13C-1,2,3,4,7,8-HxCDD	1.28e4	1.41	NO	0.707	10.000	33.902	33.92	1.014	1.014	80.470	40.2 21 - 193	1.83	
21	21 13C-1,2,3,6,7,8-HxCDD	1.75e4	1.21	NO	0.829	10.000	34.012	34.03	1.017	1.018	94.248	47.125 - 163		
22	22 13C-1,2,3,7,8,9-HxCDD	2.35e4	1.30	NO	0.808	10.000	34.283	34.31	1.025	1.026	129.63	64.8 21 - 193	1.60	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.86e4	1.01	NO	0.662	10.000	37.747	37.79	1.129	1.130	125.19	62.6 26 - 166	1.74	
24	24 13C-OCDD	3.40e4	0.90	NO	0.608	10.000	40.769	41.04	1.219	1.227	248.82		2.97	
25	25 13C-2,3,7,8-TCDF	1.23e4	0.75	NO	1.07	10.000	25.245	25.25	0.990	0.990	30.867	15.4 22-152		
26	26 13C-1,2,3,7,8-PeCDF	1.60e4	1.67	NO	0.826	10.000	29.470	29.44	1.156	1.155	51.973	26.0 21 - 192	1.09	
27	27 13C-2,3,4,7,8-PeCDF	1.37e4	1.67	NO	0.796	10.000	30.370	30.33	1.191	1.189	46.163	23.113 - 328	1.13	
28	28 13C-1,2,3,4,7,8-HxCDF	1.73e4	0.47	NO	1.08	10.000	33.033	33.04	0.988	0.988	71.816	35.819-202	1.64	
29	29 13C-1,2,3,6,7,8-HxCDF	2.19e4	0.53	NO	1.12	10.000	33.167	33.15	0.992	0.991	86.733	43.4 21-159		
30	30 13C-2,3,4,6,7,8-HxCDF	2.39e4	0.51	NO	1.02	10.000	33.738	33.75	1.009	1.010	104.11	52.1 22-176		
31	31 13C-1,2,3,7,8,9-HxCDF	1.67e4	0.45	NO	0.887	10.000	34.638	34.69	1.036	1.037	83.878	41.9 17 - 205	1.99	

Page 2 of 2

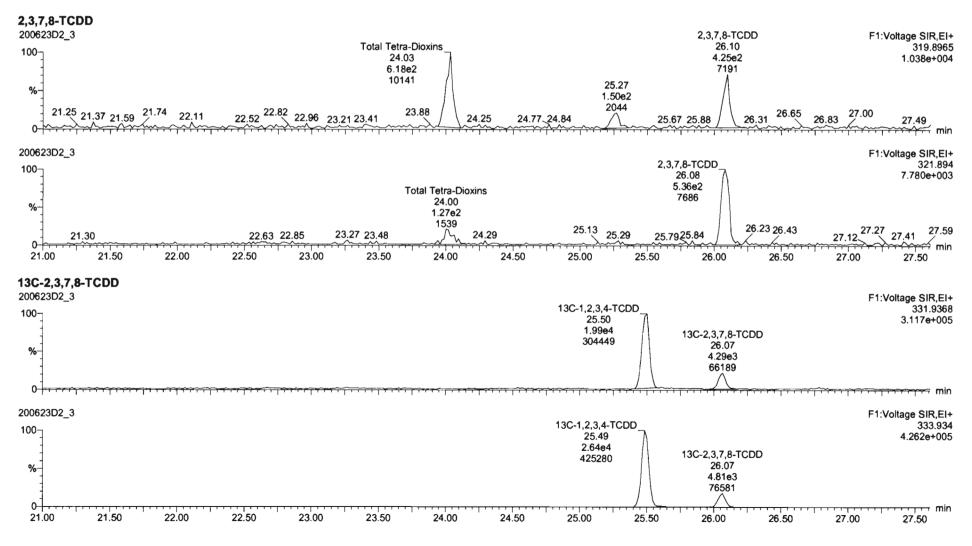
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

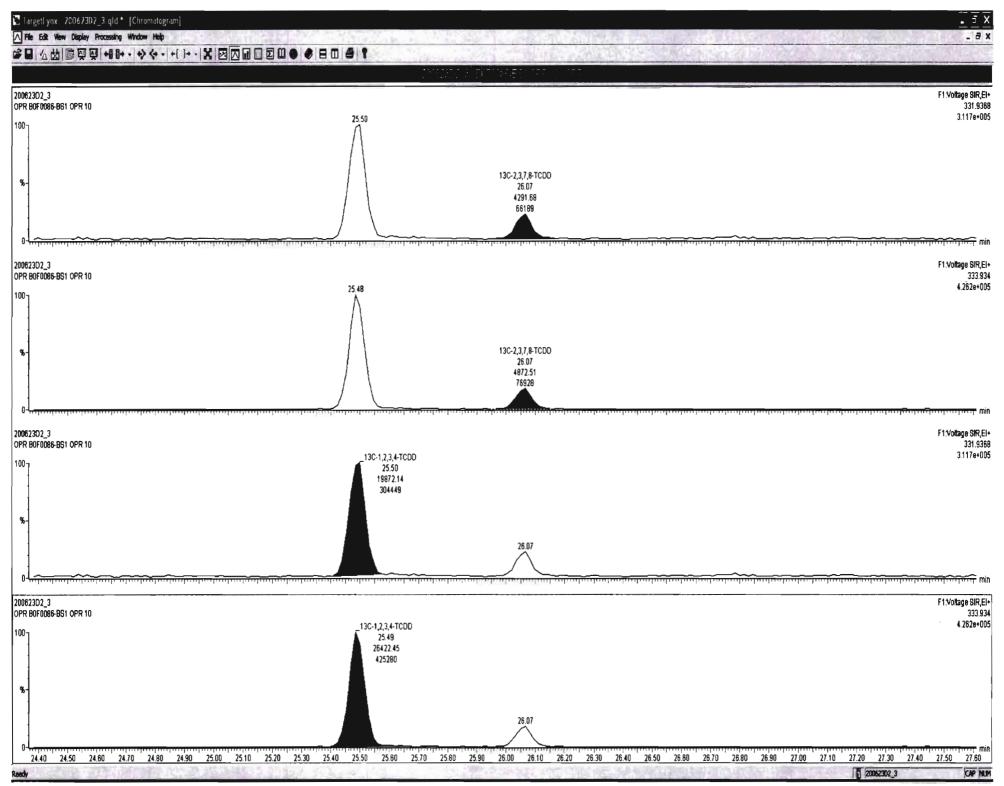
Last Altered: Wednesday, June 24, 2020 11:41:56 Pacific Daylight Time Printed: Wednesday, June 24, 2020 11:43:36 Pacific Daylight Time

IN- Star	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.37e4	0.44	NO	0.811	10.000	36.343	36.52	1.087	1.092	130.38	65.2 21-158	1.45	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.43e4	0.44	NO	0.598	10.000	38.349	38.33	1.147	1.146	106.70	53.3 20 - 186	1.97	
34	34 13C-OCDF	4.06e4	0.92	NO	0.752	10.000	40.923	41.26	1.224	1.234	240.36	60.113-198	1.51	
35	35 37CI-2,3,7,8-TCDD	4.02e3			1.24	10.000	26.160	26.07	1.026	1.022	13.983	17.5 31-191	0.269	
36	36 13C-1,2,3,4-TCDD	4.63e4	0.75	NO	1.00	10.000	25.480	25.50	1.000	1.000	200.00	100	3.70	
37	37 13C-1,2,3,4-TCDF	7.44e4	0.78	NO	1.00	10.000	24.020	24.03	1.000	1.000	200.00	100	2.13	
38	38 13C-1,2,3,4,6,9-HxCDF	4.49e4	0.53	NO	1.00	10.000	33.530	33.43	1.000	1.000	200.00	100	1.77	

Quantify San Vista Analytica	· · ·	Page 1 of 13
Dataset:	U:\VG7.PRO\Results\200623D2\200623D2_3.qld	
Last Altered: Printed:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time	

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

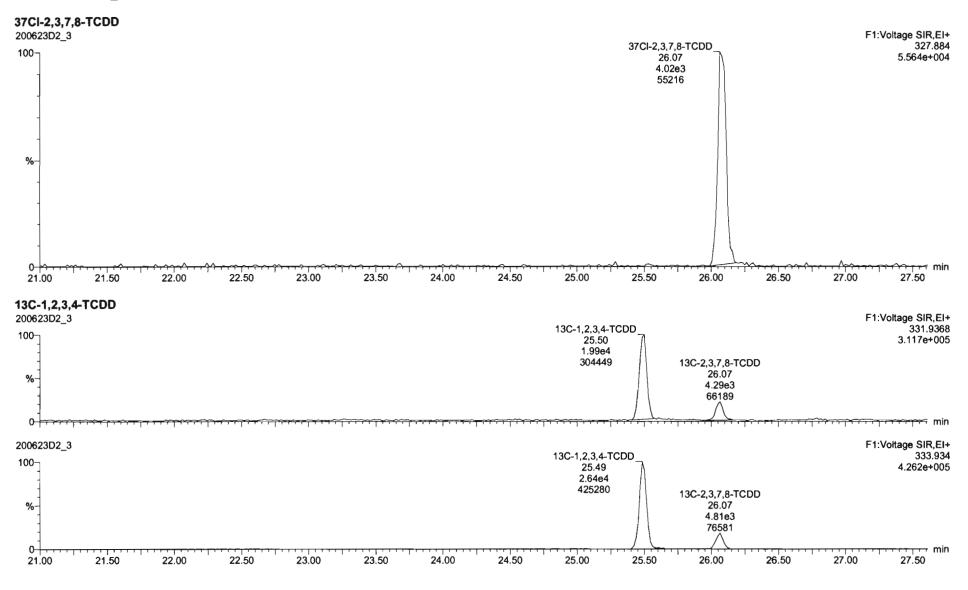




Quantify Sample Report MassLynx 4.1

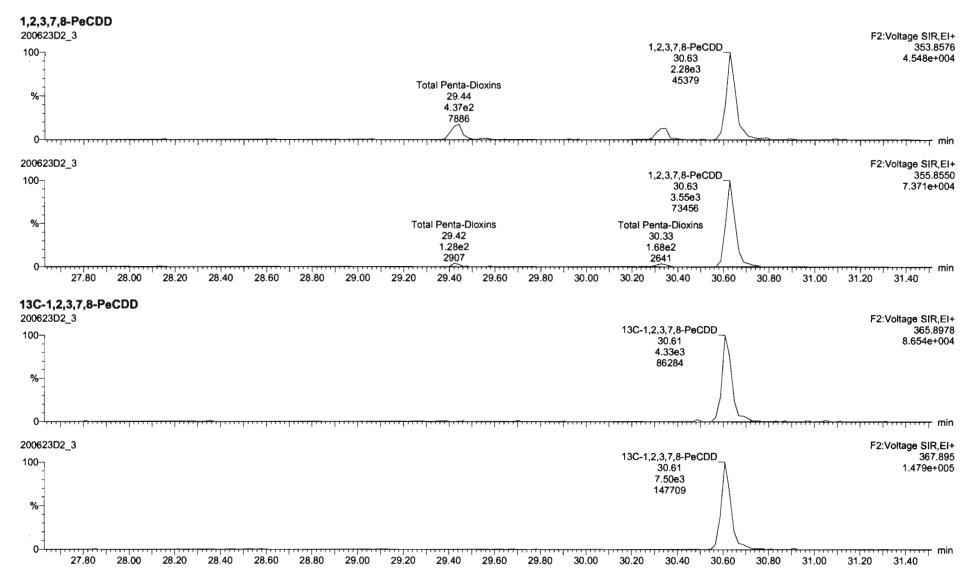
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time



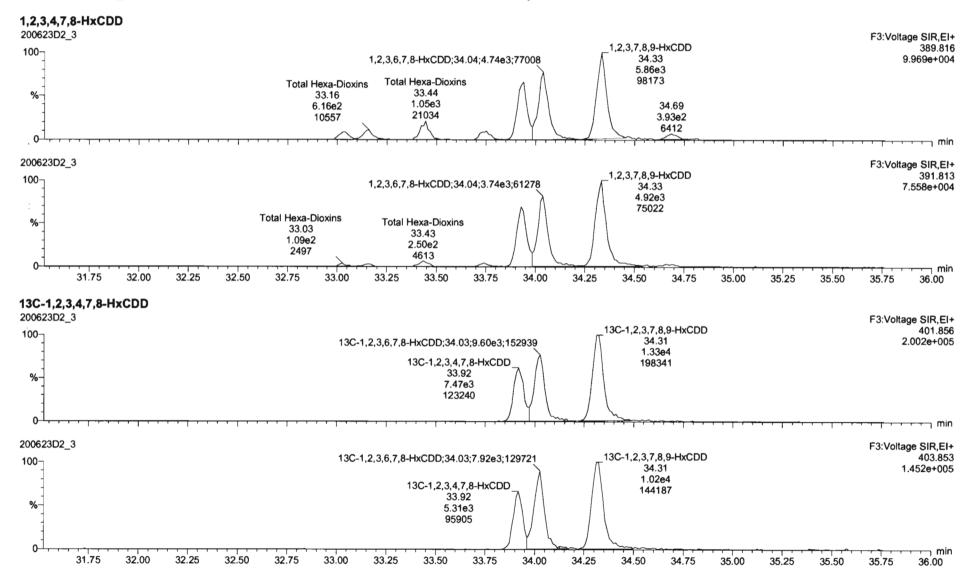
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

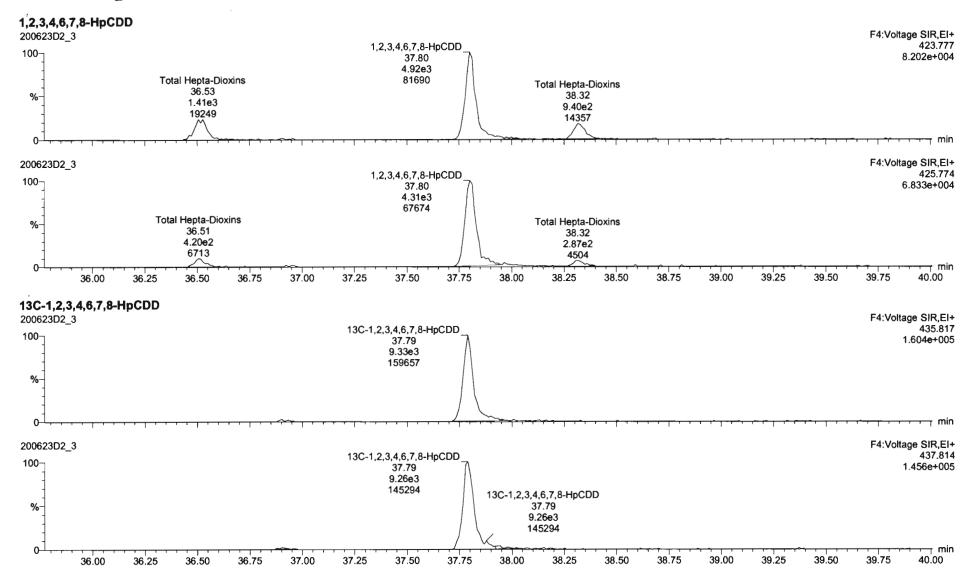
Last Altered:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time



Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

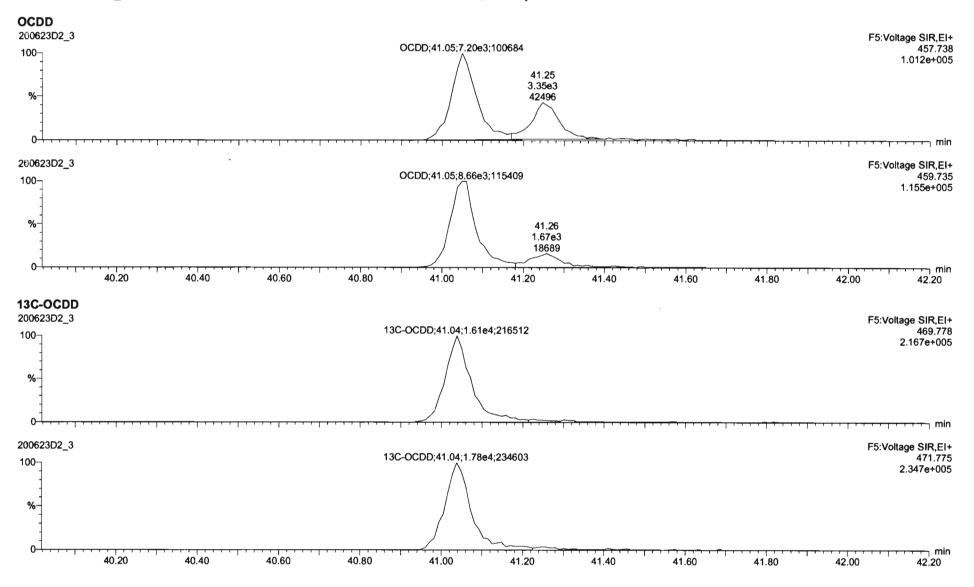
Last Altered:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time



Quantify Sample Report	MassLynx 4.1	
Vista Analytical Laboratory		

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time



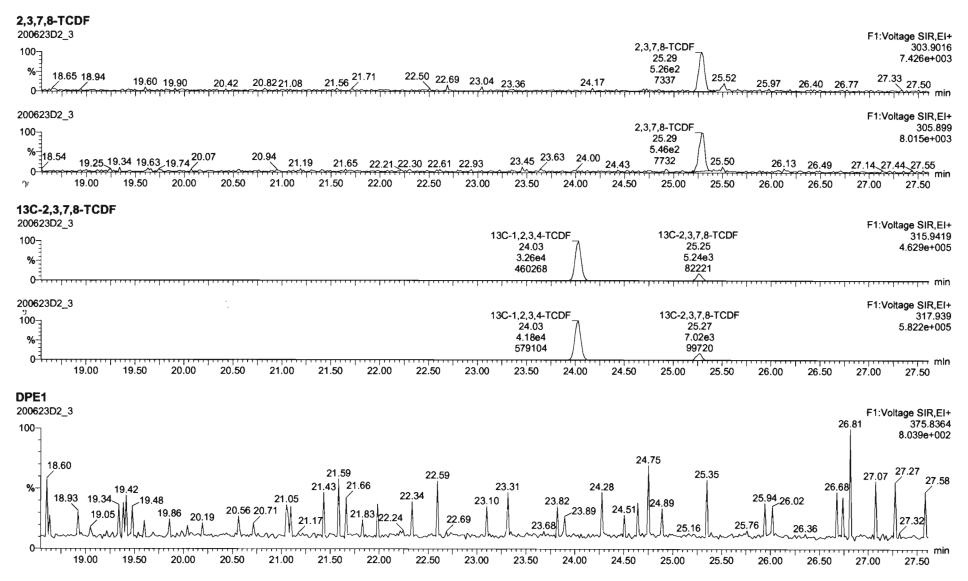
Quantify Sample Report MassLynx 4.1

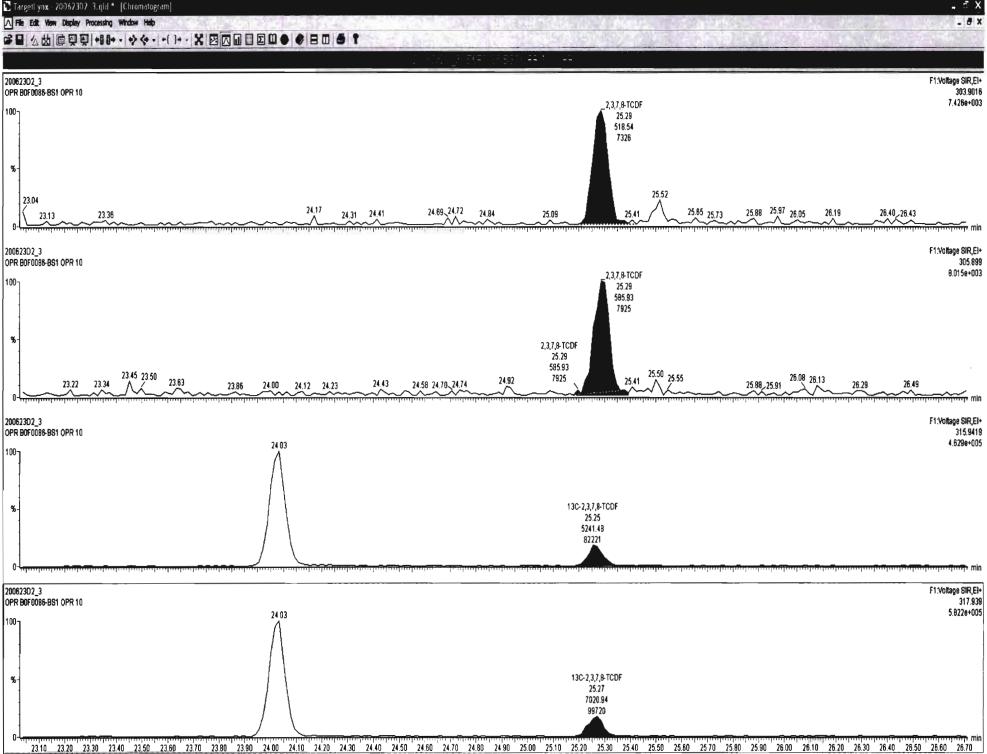
Vista Analytical Laboratory

:.

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered:Wednesday, June 24, 2020 10:38:15 Pacific Daylight TimePrinted:Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time





	State -	7 10 10 10 15 11
Work Or	der 2001155	

Ready

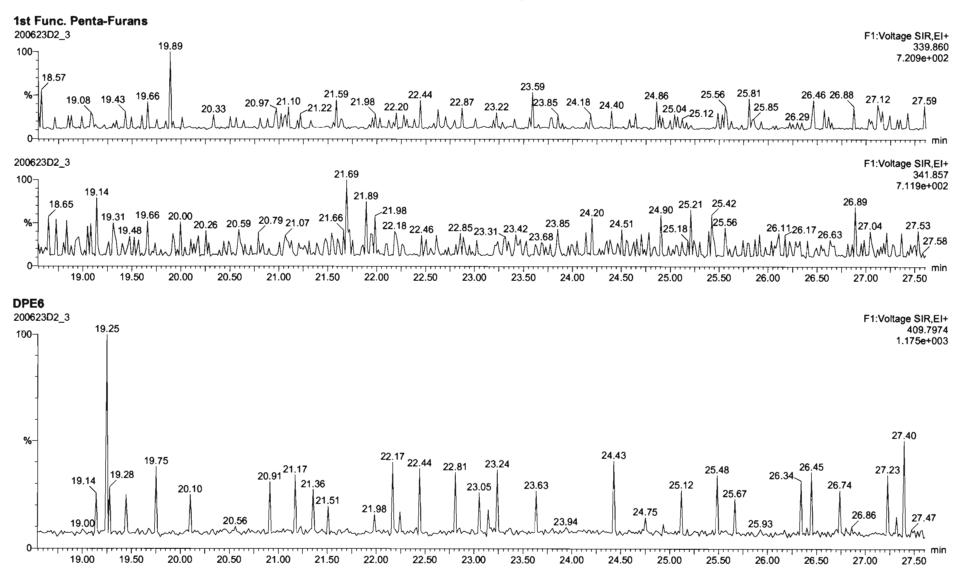
20062302_3 CAP NUM

Page 60 of 638

Page 8 of 13

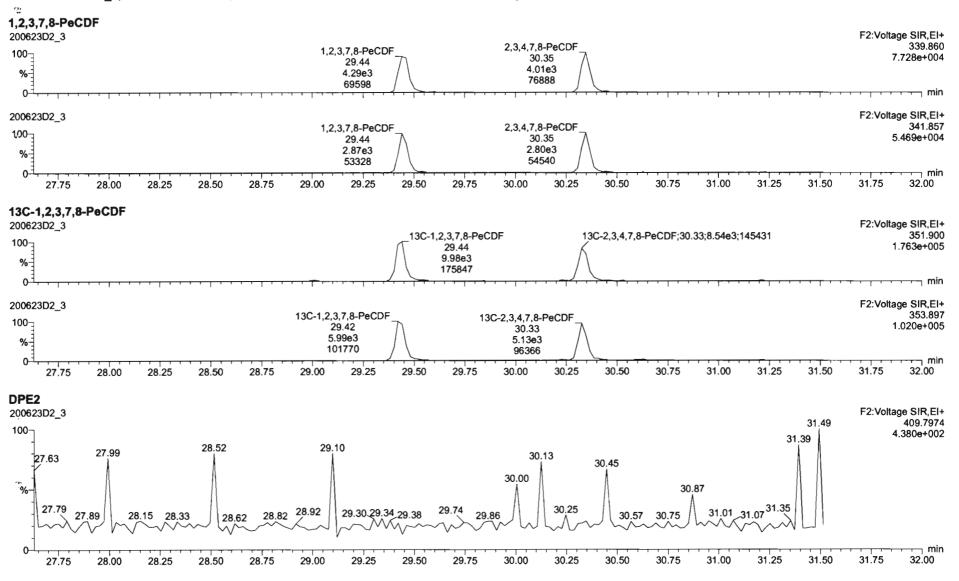
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time



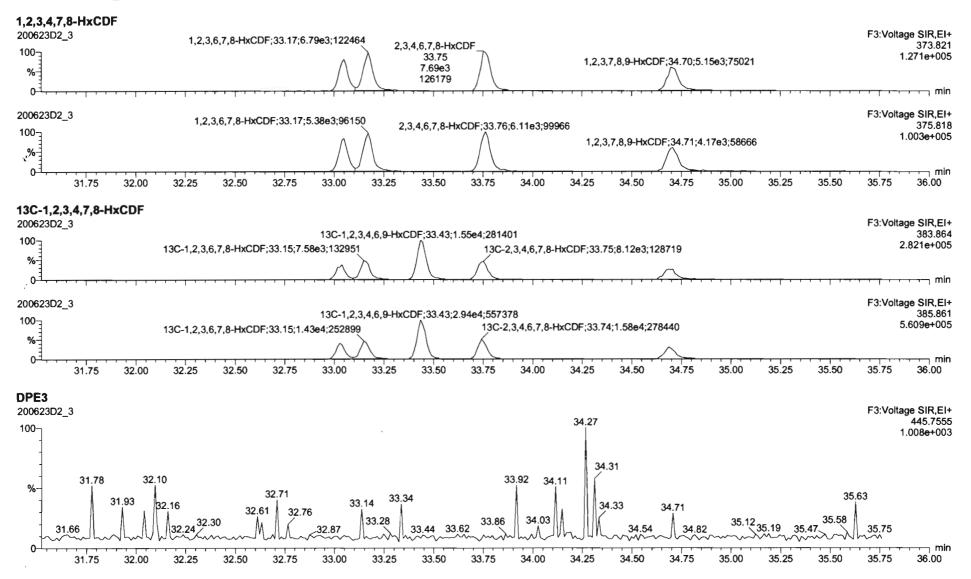
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time



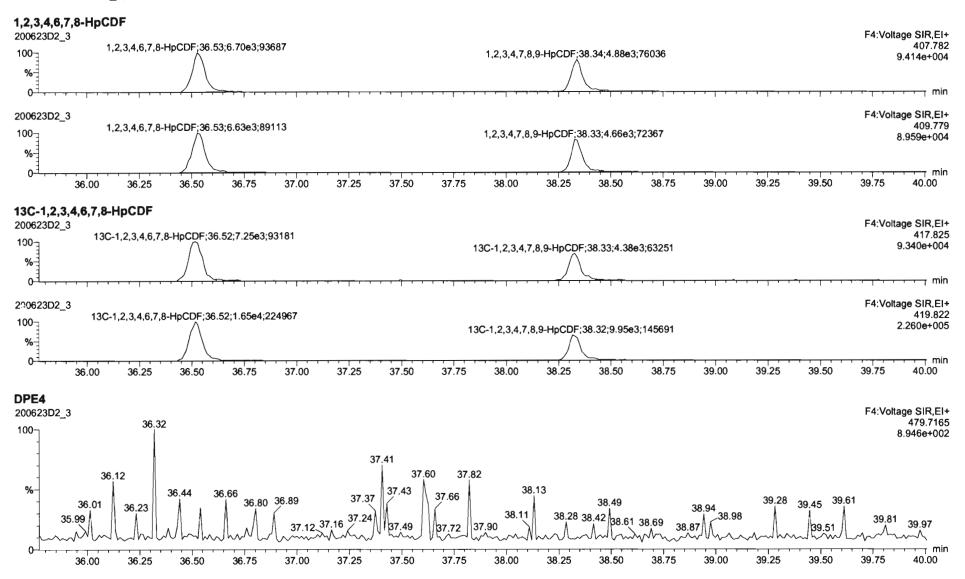
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

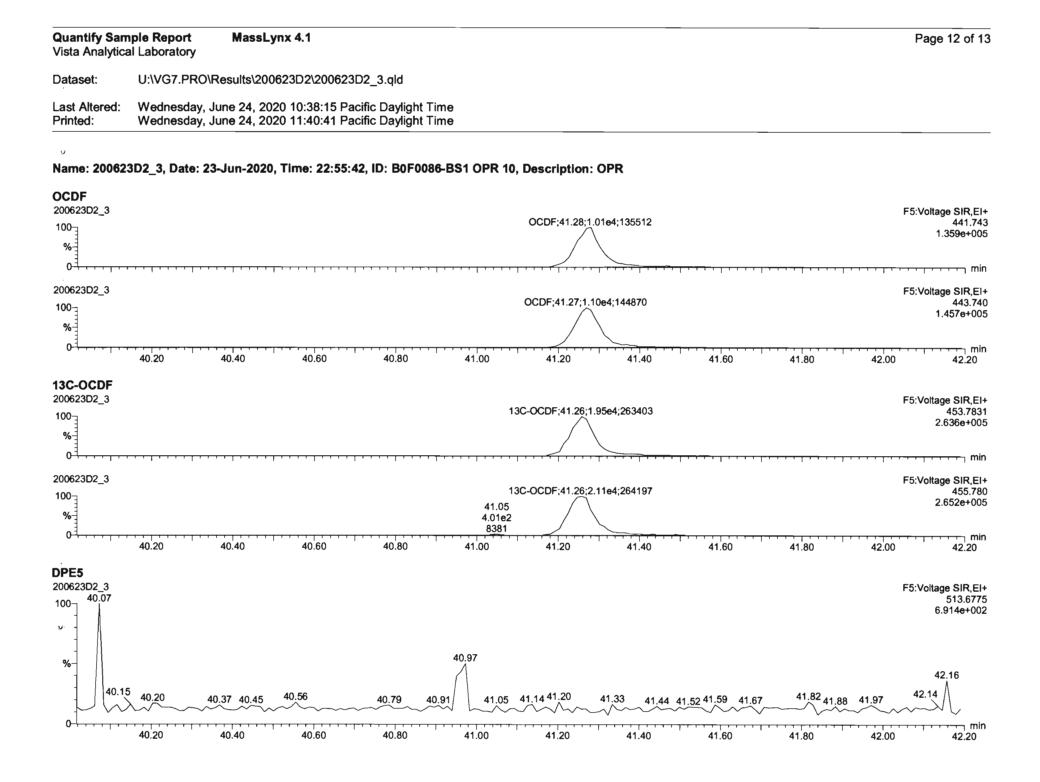
Last Altered:Wednesday, June 24, 2020 10:38:15 Pacific Daylight TimePrinted:Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

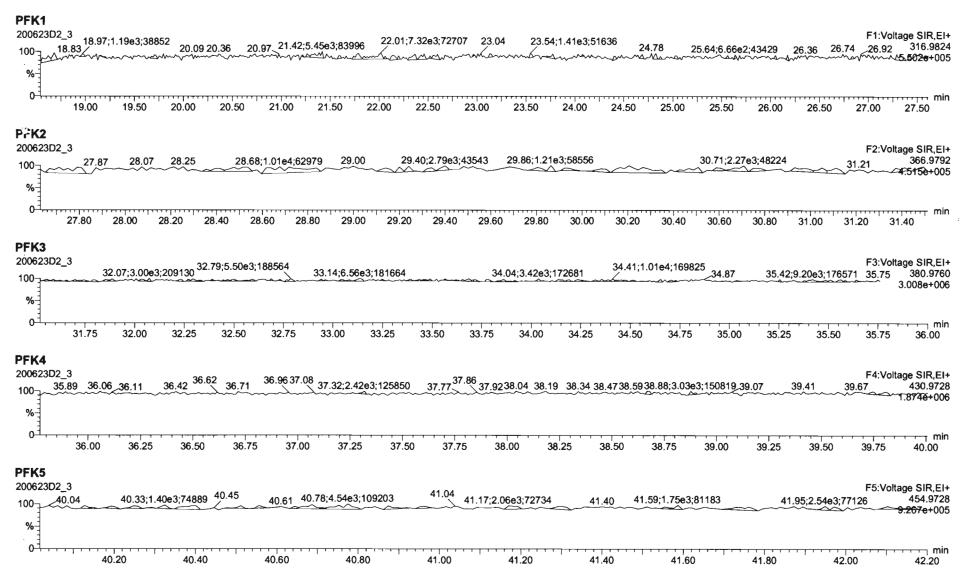




Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

Last Altered:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

Name: 200623D2_3, Date: 23-Jun-2020, Time: 22:55:42, ID: B0F0086-BS1 OPR 10, Description: OPR



4

Quantify San Vista Analytica	n ple Summary Report al Laboratory	MassLynx 4.1 SCN815	
Dataset:	U:\VG12.PRO\Results\200)707R2\200707R2-14.qld	
Last Altered: Printed:		9:36:29 AM Pacific Daylight Time 9:44:07 AM Pacific Daylight Time	

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613_rrt-7-3-20.mdb 03 Jul 2020 12:13:21 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200707R2_14, Date: 07-Jul-2020, Time: 22:53:30, ID: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description: PDI-1175SC-A-01-02-200522

in the Surface		Resp	RA	n/y	RRF	www.		A.A. A.		W. Sandar				
· · · · · · · · · · · · · · · · · · ·	1 2,3,7,8-TCDD			NO	0.888	10.024 -	26.501		1.001				0.260	
14. M. M. M. M.	2 1,2,3,7,8-PeCDD			NO	0.908	10.024	31.488		1.001				0.169	
	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.024	34.867		1.000				0.235	
and a start water and the start of the start	4 1,2,3,6,7,8-HxCDD	2.64e3	1.18	NO	0.892	10.024	34.964	34.97	1.000	1.000	1.7219		0.206	1.72
	5 1,2,3,7,8,9-HxCDD	9.06e2	1.36	NO	0.887	10.024	35.286	35.26	1.001	1.000	0.48473		0.186	0.485
	6 1,2,3,4,6,7,8-HpCDD	2.01e5	1.01	NO	0.864	10.024	38.821	38.82	1.000	1.000	143.18		0.585	143
	7 OCDD	1.15e6	0.86	NO	0.914	10.024	41.823	41.83	1.000	1.000	863.30		0.610	863
	8 2,3,7,8-TCDF	4.45e2	1.09	YES	0.751	10.024	25.602	25.62	1.001	1.002	0.64677		0.281	0.547
1	9 1,2,3,7,8-PeCDF	7.12e2	1.50	NO	0.893	10.024	30.205	30.18	1.001	1.000	0.60560		0.142	0.606
	10 2,3,4,7,8-PeCDF	2.94e2	1.41	NO	0.935	10.024	31.180	31.18	1.001	1.000	0.27576		0.146	0.276
	11 1,2,3,4,7,8-HxCDF	1.22e3	1.16	NO	0.884	10.024	33.973	33.99	1.000	1.001	1.0131		0.0927	1.01
in the set of the	12 1,2,3,6,7,8-HxCDF	3.89e2	1.31	NO	0.889	10.024	34.111	34.13	1.000	1.001	0.24717		0.0763	0.247
	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.024	34.708		1.001				0.0715	
	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.024	35.634		1.001				0.117	
i i an i	15 1,2,3,4,6,7,8-HpCDF	4.77e3	1.01	NO	0.873	10.024	37.429	37.41	1.001	1.001	3.5562		0.152	3.56
	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.024	39.352		1.000				0.194	
	17 OCDF	2.34e4	0.83	NO	0.806	10.024	42.004	42.01	1.000	1.000	19.842		0.161	19.8
	18 13C-2,3,7,8-TCDD	1.79e5	0.77	NO	1.16	10.024	26.463	26.47	1.025	1.026	37.931	19.0	0.146	
	19 13C-1,2,3,7,8-PeCDD	2.43e5	0.62	NO	0.849	10.024	31.475	31.47	1.219	1.219	70.065	35.1	0.186	
1	20 13C-1,2,3,4,7,8-HxCDD	2.39e5	1.27	NO	0.77 9	10.024	34.841	34.86	1.014	1.014	100.81	50.5	0.332	
	21 13C-1,2,3,6,7,8-HxCDD	3.43e5	1.30	NO	1.02	10.024	34.941	34.96	1.017	1.017	110.53	55.4	0.255	
	22 13C-1,2,3,7,8,9-HxCDD	4.21e5	1.25	NO	0.903	10.024	35.250	35.25	1.026	1.026	152.85	76.6	0.287	
and the first	23 13C-1,2,3,4,6,7,8-HpCDD	3.24e5	1.03	NO	0.689	10.024	38.797	38.81	1.129	1.129	154.41	77.4	0.503	
2 8 8 6 7 480) 	24 13C-OCDD	5.80e5	0.90	NO	0.652	10.024	41.804	41.82	1.216	1.217	291.55	73.1	0.381	
	25 13C-2,3,7,8-TCDF	1.83e5	0.76	NO	1.06	10.024	25.570	25.57	0.991	0.991	31.900	16.0	0.197	
	26 13C-1,2,3,7,8-PeCDF	2.63e5	1.58	NO	0.838	10.024	30.193	30.18	1.170	1.169	57.930	29.0	0.379	
۲ پر ۲۶۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰	27 13C-2,3,4,7,8-PeCDF	2.28e5	1.70	NO	0.817	10.024	31.166	31.16	1.207	1.207	51.469	25.8	0.389	
and the stand	28 13C-1,2,3,4,7,8-HxCDF	2.72e5	0.49	NO	1.01	10.024	33.975	33.97	0.989	0.989	88.397	44.3	0.516	
	29 13C-1,2,3,6,7,8-HxCDF	3.53e5	0.49	NO	1.17	10.024	34.092	34.10	0.992	0.992	99.315	49.8	0.446	
	30 13C-2,3,4,6,7,8-HxCDF	3.61e5	0.51	NO	1.02	10.024	34.669	34.69	1.009	1.009	115.93	58.1	0.509	
	31 13C-1,2,3,7,8,9-HxCDF	2.90e5	0.47	NO	0.860	10.024	35.601	35.61	1.036	1.036	110.71	55.5	0.605	

GPB 07/08/2020

Page 2 of 2

Dataset: U:\VG12.PRO\Results\200707R2\200707R2-14.qld

Last Altered:	Wednesday, July 08, 2020 9:36:29 AM Pacific Daylight Time
Printed:	Wednesday, July 08, 2020 9:44:07 AM Pacific Daylight Time

Name: 200707R2_14, Date: 07-Jul-2020, Time: 22:53:30, ID: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description: PDI-1175SC-A-01-02-200522

the Land of the		Hesp	RA	- n/y 121	RRF	WIND	PrediR	pa contra no Receber			Alex of St.	Level Buch		1. Section of the sec
an a	32 13C-1,2,3,4,6,7,8-HpCDF	3.07e5	0.43	NO	0.774	10.024	37.384	37.39	1.088	1.088	129.86	65.1	0.373	
	33 13C-1,2,3,4,7,8,9-HpCDF	1.88e5	0.41	NO	0.521	10.024	39.357	39.35	1.145	1.145	118.55	59.4	0.554	
	34 13C-OCDF	5.84e5	0.88	NO	0.746	10.024	41.993	42.00	1.222	1.222	256.94	64.4	0.316	
	35 37CI-2,3,7,8-TCDD	6.36e4			1.04	10.024	26.481	26.50	1.026	1.027	15.013	18.8	0.0461	
	36 13C-1,2,3,4-TCDD	8.16e5	0.78	NO	1.00	10.024	25.740	25.81	1.000	1.000	199.53	100	0.169	
A	37 13C-1,2,3,4-TCDF	1.0 8e 6	0.75	NO	1.00	10.024	24.030	24.10	1.000	1.000	199.53	100	0.209	
	38 13C-1,2,3,4,6,9-HxCDF	6.0 8e 5	0.50	NO	1.00	10.024	34.290	34.37	1.000	1.000	199.53	100	0.520	
1 T	39 Total Tetra-Dioxins				0.888	10.024	24.620		0.000				0.147	
Halastan	40 Total Penta-Dioxins				0.908	10.024	29.960		0.000		0.45876		0.0708	0.635
	41 Total Hexa-Dioxins				0.892	10.024	33.635		0.000		26.677		0.213	26.7
ા સુને સુરુષ	42 Total Hepta-Dioxins				0.864	10.024	38.800		0.000		325.63		0.585	326
and the state of the second	43 Total Tetra-Furans				0.751	10.024	23.610		0.000		0.61967		0.261	1.17
in here the	44 1st Func. Penta-Furans				0.893	10.024	27.040		0.000		0.63853		0.105	0.639
	45 Total Penta-Furans				0.893	10.024	29.275		0.000		1.4869		0.147	1.49
the state	46 Total Hexa-Furans				0.934	10.024	33.555		0.000		3.6554		0.0839	3.66
	47 Total Hepta-Furans				0.873	10.024	37.835		0.000		17.782		0.180	17.8

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200707R2\200707R2-14.qld

Last Altered:Wednesday, July 08, 2020 9:36:29 AM Pacific Daylight TimePrinted:Wednesday, July 08, 2020 9:44:07 AM Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613_rrt-7-3-20.mdb 03 Jul 2020 12:13:21 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200707R2_14, Date: 07-Jul-2020, Time: 22:53:30, ID: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description: PDI-1175SC-A-01-02-200522

Tetra-Dioxins

RT mit Height m2 Height m1 Rosp m2 Resp RA market in the second
Penta-Dioxins

Total Penta-Dioxins Total Penta-Dioxins	•••• •	mi Height	m2 Height	mf Resp	m2 Resp				A BIRCH AND		
Total Penta-Dioxins	29.25	3.02 9e 3	3.530e3	1.913e2	3.164e2	0.60	NO	5.077e2	0.45876	0.45876	0.0708
Total Penta-Dioxins	29.73	1.481e3	3.158e3	1.158e2	1.194e2	0.97	YES	0.000e0	0.00000	0.17582	0.0708

Hexa-Dioxins

20	1. House	handle officer and the second	C. C. Stars	this Height	mzHeighl	mi Roop					and the parts		In a string
	Sec. Sec.	Total Hexa-Dioxins	33.35	2.023e5	1.693e5	1.065e4	8.451e3	1.26	NO	1.911e4	12.781	12.781	0.213
		Total Hexa-Dioxins	33.91	1.529e4	1.317e4	8.540e2	6.790e2	1.26	NO	1.533e3	1.0256	1.0256	0.213
		Total Hexa-Dioxins	34.19	1.038e5	8.360e4	7.532e3	5.896e3	1.28	NO	1.343e4	8.9826	8.9826	0.213
		Total Hexa-Dioxins	34.28	1.518e4	1.686e4	8.338e2	7.350e2	1.13	NO	1.569e3	1.0495	1.0495	0.213
E.A.		1,2,3,6,7,8-HxCDD	34.97	2.039e4	2.123e4	1.427e3	1.211e3	1.18	NO	2.639e3	1.7219	1.7219	0.206
2		Total Hexa-Dioxins	35.17	1.415e4	9.584e3	4.950e2	4.490e2	1.10	NO	9.440e2	0.63149	0.63149	0.213
6	1. 3. AL	1,2,3,7,8,9-HxCDD	35.26	7.881e3	8.513e3	5.218e2	3.847e2	1.36	NO	9.065e2	0.48473	0.48473	0.186

Hepta-Dioxins

Total Hepta-Dioxins 1,2,3,4,6,7,8-HpCDD	A RT	mt Height	m2+leight	. nat Resp	m2 Resp	ARA .		CONTRACTOR STREET			and August
Total Hepta-Dioxins	37.81	1.74 9e 6	1.773e6	1.277e5	1.286e5			2.563e5	182.45	182.45	0.585
1,2,3,4,6,7,8-HpCDD	38.82	1.484e6	1.441e6	1.012e5	9.993e4	1.01	NO	2.011e5	143.18	143.18	0.585

Tetra-Furans

Total Tetra-Furans 2,3,7,8-TCDF	ORT -	m1 Height.	m2 Height	mt Resp	m2 Resp	RA	NY.				Sector Anone
Total Tetra-Furans	24.64	2.270e3	2.455e3	1.952e2	2.316e2	0.84	NO	4.267e2	0.61967	0.61967	0.261
2,3,7,8-TCDF	25.62	2.990e3	2.867e3	2.327e2	2.127e2	1.09	YES	4.454e2	0.00000	0.54676	0.261

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200707R2\200707R2-14.qld

Last Altered: Wednesday, July 08, 2020 9:36:29 AM Pacific Daylight Time Wednesday, July 08, 2020 9:44:07 AM Pacific Daylight Time

Name: 200707R2_14, Date: 07-Jul-2020, Time: 22:53:30, ID: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description: PDI-1175SC-A-01-02-200522

Penta-Furans function 1

Ist Func. Penta-Furans	(A RECO	mit Height	m2 Height	+m1 Resp.	m2 Reed						
Ist Func. Penta-Furans	27.59	5.910e3	4.336e3	4.355e2	2.650e2	1.64	NO	7.005e2	0.63853	0.63853	0.105

Penta-Furans

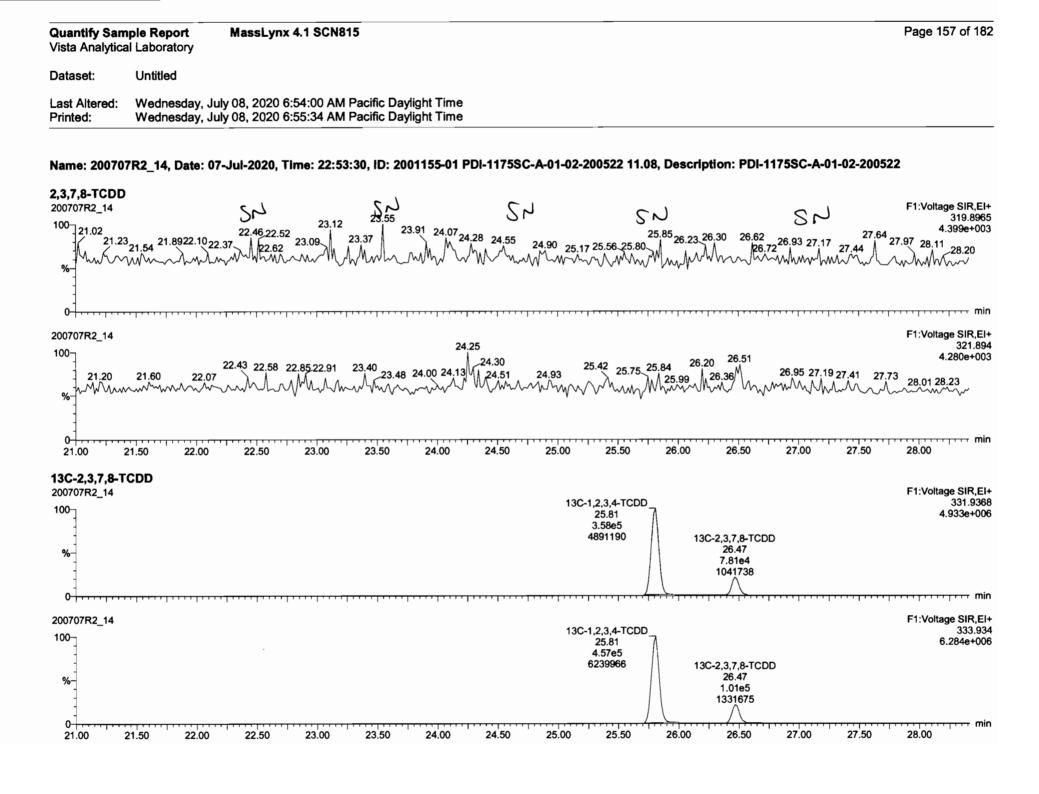
Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA,	NY C	nosp.	Conder:	EMPC	
Total Penta-Furans	29.21	4.394e3	2.559e3	2.604e2		1.34	NO	4.546e2	0.41434	0.41434	0.147
1,2,3,7,8-PeCDF	30.18	6.761e3	5.580e3	4.270e2	2.853e2	1.50	NO	7.122e2	0.60560	0.60560	0.142
1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF	31.18	5.170e3	2.497e3	1.720e2	1.221e2	1.41	NO	2.941e2	0.27576	0.27576	0.146
Total Penta-Furans	31.21	3.330e3	2.091e3	1.329e2	7.683e1	1.73	NO	2.098e2	0.19121	0.19121	0.147

Hexa-Furans

	AND SHALL INTER			n'i Height	m2 Height	-M Rep	m2Resp		Alex.	and the second	and a stationer	With the state	The fight
É.,		Total Hexa-Furans	32.81	3.251e3	2.006e3	1.342e2	1.071e2	1.25	NO	2.413e2	0.16155	0.16155	0.0839
1. 1.		Total Hexa-Furans	32.98	1.088e4	8.479e3	5.617e2	3.94 4e 2	1.42	NO	9.561e2	0.64007	0.64007	0.0839
		Total Hexa-Furans	33.53	2.445e4	2.264e4	1.245e3	1.135e3	1.10	NO	2.380e3	1.5935	1.5935	0.0839
		1,2,3,4,7,8-HxCDF	33.99	1.092e4	1.01 4e 4	6.548e2	5.648e2	1.16	NO	1.220e3	1.0131	1.0131	0.0927
	S. 1994	1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF	34.13	3.548e3	3.349e3	2.209e2	1.684e2	1.31	NO	3.893e2	0.24717	0.24717	0.0763

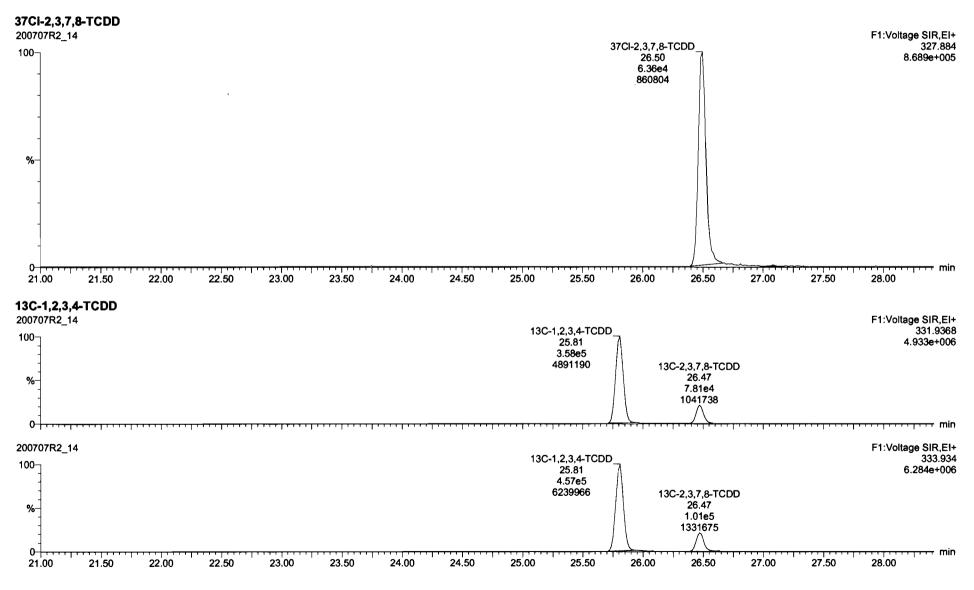
Hepta-Furans

1,2,3,4,6,7,8-HpCDF Total Hepta-Furans		m12Helght	m2 Height			192	- 10 M	alan si sa di di sa	Sec. Sec.		1
1,2,3,4,6,7,8-HpCDF	37.41	3.608e4	3.320e4	2.398e3	2.376e3	1.01	NO	4.774e3	3.5562	3.5562	0.152
Total Hepta-Furans	38.02	1.061e5	1.183e5	7.616e3	7.795e3	0.98	NO	1.541e4	14.225	14.225	0.180

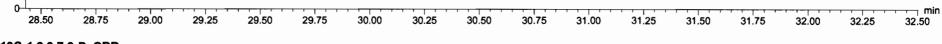


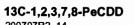
Quantify San Vista Analytica	• •	Page 158 of 182
Dataset:	Untitled	
Last Altered: Printed:	Wednesday, Juły 08, 2020 6:54:00 AM Pacific Daylight Time Wednesday, July 08, 2020 6:55:34 AM Pacific Daylight Time	

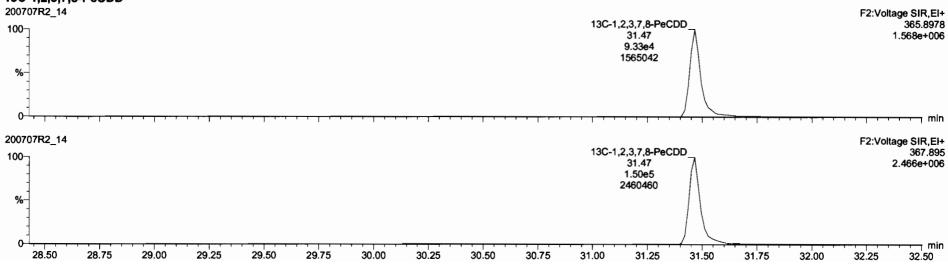
Name: 200707R2_14, Date: 07-Jul-2020, Time: 22:53:30, ID: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description: PDI-1175SC-A-01-02-200522



Quantify San Vista Analytica		MassLynx 4.1 SCN815	Page 159 of 182
Dataset:	Untitled		
Last Altered: Printed:		Ily 08, 2020 6:54:00 AM Pacific Daylight Time Ily 08, 2020 6:55:34 AM Pacific Daylight Time	
		7-Jul-2020, Time: 22:53:30, iD: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description: PDI-1175SC-A-01-02-2	00522
1,2,3,7,8-PeC 200707R2_14		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	⁶ 32.12 32.27 32.43 32.46
0	29.04 55 28.78 28.93	$\begin{array}{c} 29.2229.28 \\ 4 \\ 29.50 \\ 29.50 \\ 29.53 \\ 29.85_{29.97} \\ 30.17 \\ 29.85_{29.97} \\ 30.17 \\ 30.21 \\ 30.26 \\ 30.21 \\ 30.26 \\ 30.27 \\ 30.70 \\ 30.76 \\ 30.70 \\ 30.76 \\ 30.90 \\ 31.08 \\ 31.47 \\ 31.51 \\ 31.56 \\ 31.88 \\ 31.47 \\ 31.51 \\ 31.56 \\ 31.88 \\ 31.47 \\ 31.51 \\ 31.56 \\ 31.88 \\ 31.47 \\ 31.51 \\ 31.56 \\ 31.88 \\ 31.47 \\ 31.51 \\ 31.56 \\ 31.88 \\ 31.47 \\ 31.51 \\ 31.56 \\ 31.88 \\ 31.47 \\ 31.51 \\ 31.56 \\ 31.88 \\ 31.47 \\ 31.51 \\ 31.56 \\ 31.88 \\ 31.47 \\ 31.51 \\ 31.56 \\ 31.88 \\ 31.47 \\ 31.51 \\ 31.47 \\ 31.51 \\ 31.56 \\ 31.88 \\ 31.47 \\ 31.51 \\ 31.47 \\ 31.$	F2:Voltage SIR,EI+ 355.8550 5.794e+003 32.15 32.31.32.34



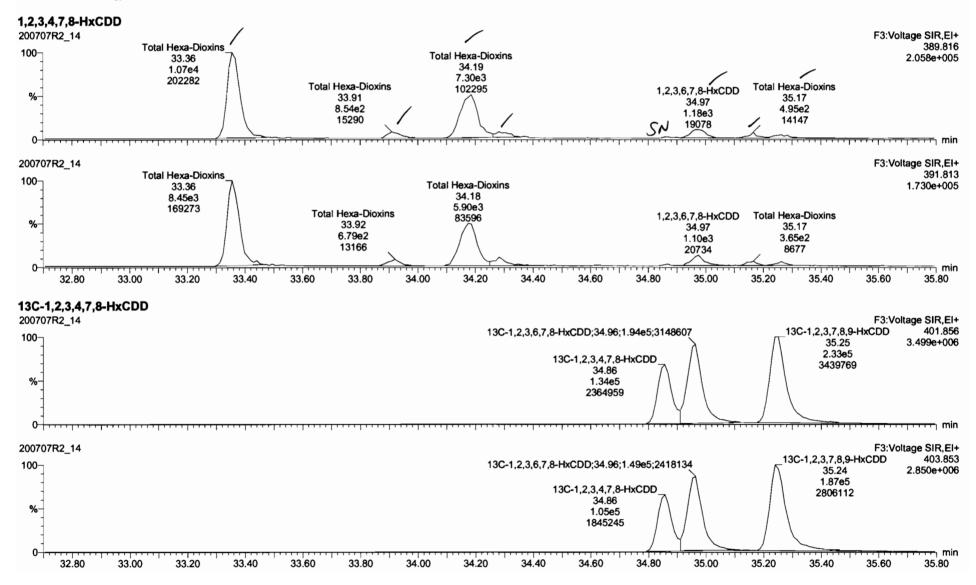


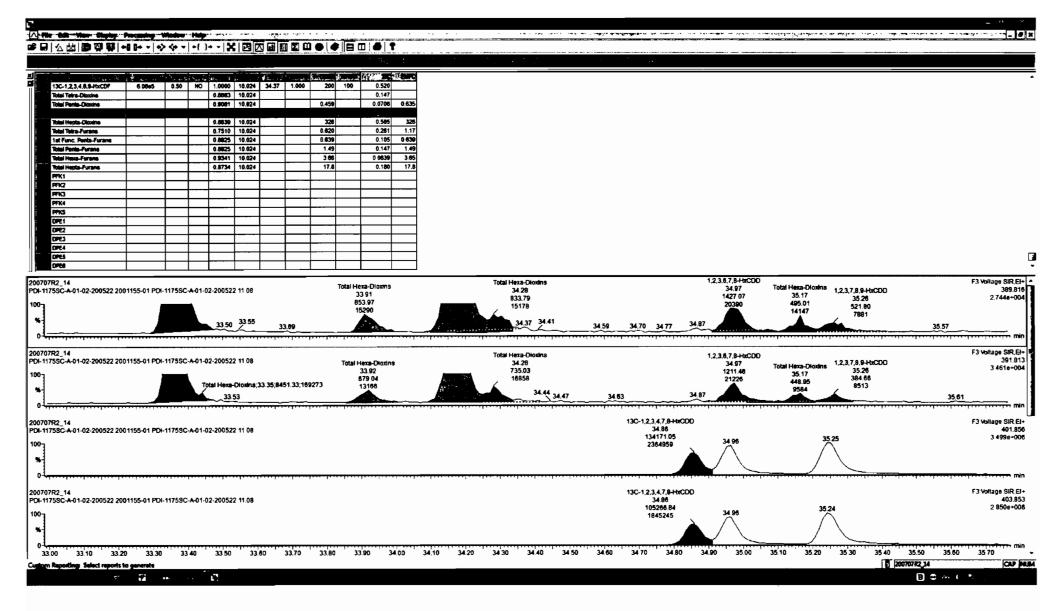


	······································		.÷					الأسرية أراب	Diana Marana	Ar W	6		•
	13C-1.2.3.4.6.9-HxCDF	6.0845	0.50	NO	1,0000	10.024	34.37	1.000					
Non-thing 100							-						
Numerican Numerican <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>0.459</td><td></td><td>0.635</td><th></th><td></td></t<>								-	0.459		0.635		
Note Address Note Addres Note Address Note Address </td <td></td> <th></th> <td></td>													
No. 1 1 <th1< th=""> 1 <th1< th=""> <th1< th=""></th1<></th1<></th1<>													
Note Form 1 4 650 100 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <th></th> <td></td>								-					
Image Area Image Area <thimage area<="" th=""> Image Area Image Ar</thimage>							<u> </u>						
Image Area Image A			<u> </u>					<u> </u>				•	
Image Nume Image Num Image Num Image Num			-										
W1 W1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><th></th><td></td></td<>								-					
Image Image <td< td=""><td></td><td></td><td>-</td><td></td><td>0.07.04</td><td>10.08.7</td><td></td><td></td><td></td><td></td><td></td><th></th><td></td></td<>			-		0.07.04	10.08.7							
Implement			-			-		-					
Image Image <th< td=""><td></td><td></td><td></td><td></td><td></td><td><u> </u></td><td><u> </u></td><td></td><td></td><td></td><td></td><th></th><td></td></th<>						<u> </u>	<u> </u>						
Import													
Image:			+										
Image: Introduction Image: Introduction <thimage: introduction<="" th=""> Image: Introduction</thimage:>			-					+					
Units Units <th< td=""><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><th></th><td></td></th<>						-							
Pre- tres Pre- tres <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><th></th><td></td></t<>								-					
Image:			+			+	+	+	<u> </u>				
OPE: Processo Processo <th< td=""><td></td><td></td><td>-</td><td></td><td>L</td><td></td><td></td><td>-</td><td></td><td></td><td></td><th></th><td></td></th<>			-		L			-					
77772:14 724 wilege SR. 77772:14 111355.441-02.200322 2001115.641 POL-11755C.461-02.200322 11 08 31.68			-					-					
11735C-401-02-200522 2001155-01 PC-11735C-401-02-200522 11:08 5786-4 11735C-401-02-200522 2001155-01 PC-11735C-401-02-200522 11:08 126-12.23,7,8 PeCDD31-47,148223-58,2400400 5786-4 11735C-401-02-200522 2001155-01 PC-11735C-401-02-200522 11:08 126-12.23,7,8 PeCDD31-47,148223-58,2400400 5786-4 11735C-401-	0100		<u> </u>		I		1						
335 86 13C-1,2,3,7,8-PeCDD,31,47,33343 43,1565042 107R2_14 175SC-A01-02-200522 2001155-01 PDI-1175SC-A01-02-200522 11.08 13C-1,2,3,7,8-PeCDD,31,47,145823,58,2460460 13C-1,2,3,7,8-PeCDD,31,47,145823,58,2460460 13C-1,2,3,7,8-PeCDD,31,47,145823,58,2460460 248 56	11755C-A-01-02-200522 200]		~	Total	Penta-Di				53			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	355.8: 5 794e≁ 98
307.6 30.60 31.60 <td< th=""><th>11758C-A-01-02-200522 200</th><th>1155-01 PDI</th><th>-1175SC</th><th>-A-01-0</th><th> 12-20052:</th><th>2 11 08</th><th></th><th></th><th></th><th></th><th></th><th>13C-1,2,3,7,8-PeCDD,31,47,93343 43;1585042</th><th>F2.VoHage SIR 585.89 1568e-0</th></td<>	11758C-A-01-02-200522 200	1155-01 PDI	-1175SC	-A-01-0	 12-200 5 2:	2 11 08						13C-1,2,3,7,8-PeCDD,31,47,93343 43;1585042	F2.VoHage SIR 585.89 1568e-0
	1175SC-A-01-02-200522 200	1155-01 PD	-11759C	- A -01-0	2-20052	2 11.08				**1		13C-1.2.3,7,8-PeCDD;31.47;149823.58;2460480	F2:Voñage SiR 367.8 2 465e+C
	28 60 2	28.60	29.00		29 2	10	29 4	0	29 60	29 80	3		

Quantify Sam Vista Analytica		Page 160 of 182
Dataset:	Untitled	
Last Altered: Printed:	Wednesday, July 08, 2020 6:54:00 AM Pacific Daylight Time Wednesday, July 08, 2020 6:55:34 AM Pacific Daylight Time	

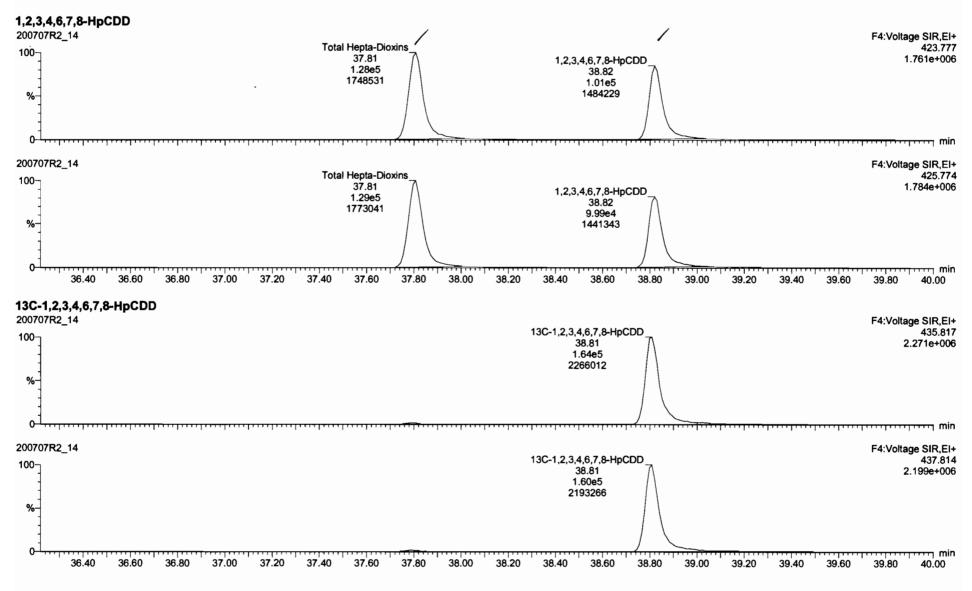
Name: 200707R2_14, Date: 07-Jul-2020, Time: 22:53:30, ID: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description: PDI-1175SC-A-01-02-200522





Quantify Sam Vista Analytica		Page 161 of 182
Dataset:	Untitled	
Last Altered: Printed:	Wednesday, July 08, 2020 6:54:00 AM Pacific Daylight Time Wednesday, July 08, 2020 6:55:34 AM Pacific Daylight Time	

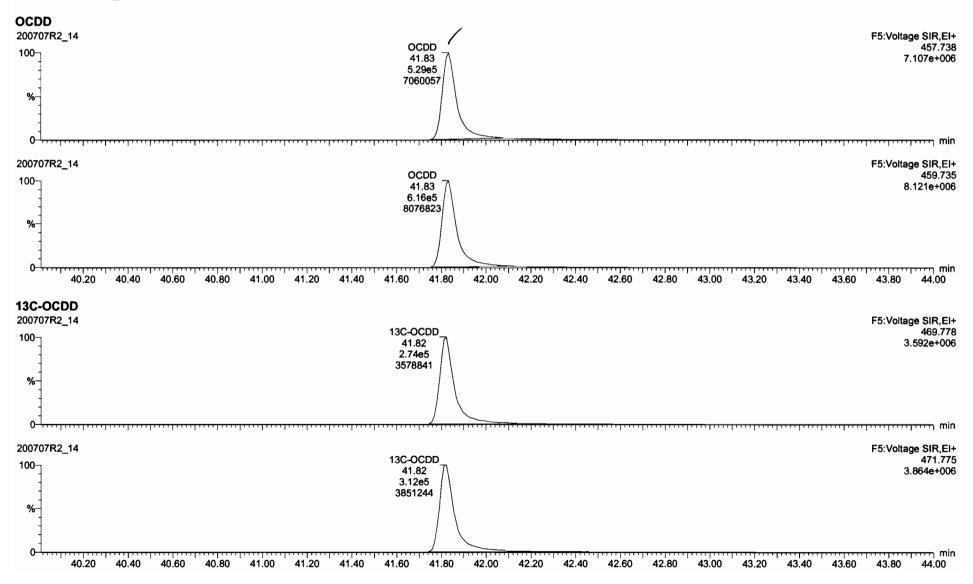
Name: 200707R2_14, Date: 07-Jul-2020, Time: 22:53:30, ID: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description: PDI-1175SC-A-01-02-200522



.

Quantify San Vista Analytica		Page 162 of 182
Dataset:	Untitled	
Last Altered: Printed:	Wednesday, July 08, 2020 6:54:00 AM Pacific Daylight Time Wednesday, July 08, 2020 6:55:34 AM Pacific Daylight Time	

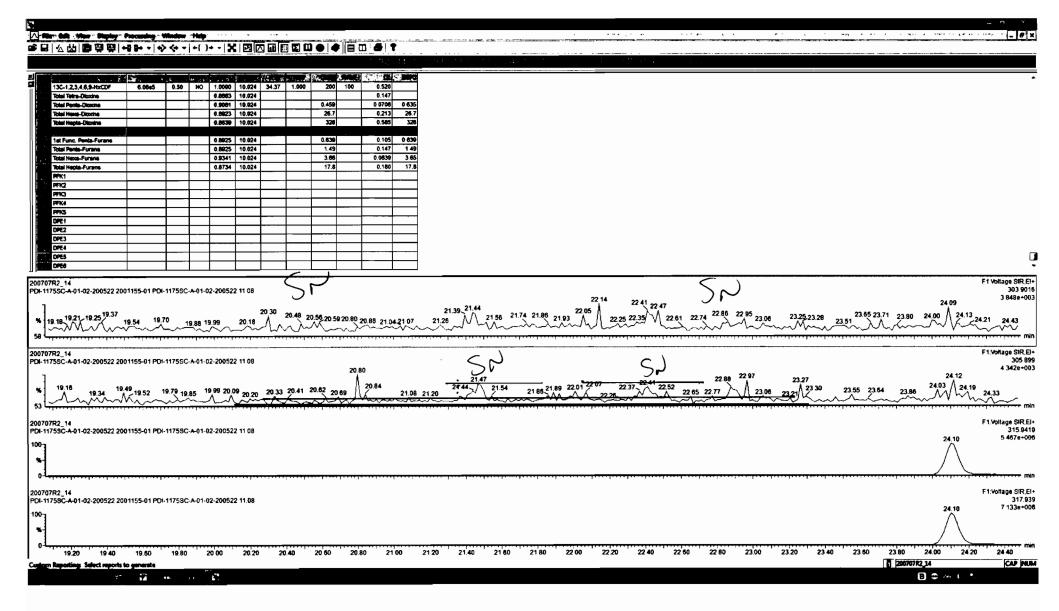
Name: 200707R2_14, Date: 07-Jul-2020, Time: 22:53:30, ID: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description: PDI-1175SC-A-01-02-200522

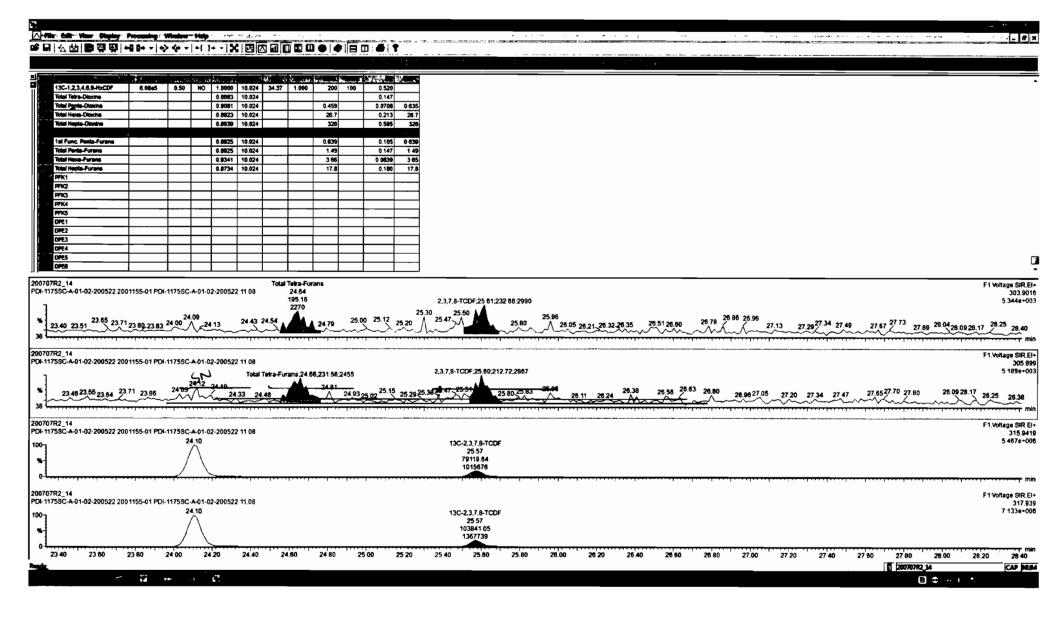


													10
Edit View Display	Processing	Window	Help		_								-
· 📩 🖨 🖓 🖗	+6 8+ + +	÷	·	- · 5	K 🖂	M 🖬 🛛	ា២	00	0 E	□ ●	ŧ .		
		•.•.										A-01-02 /200522 11:02 - PD0 11778/C A-01-02 2509/29	
										un num	14	A DEDS TROOPS FOR THE TOP PLADS A DEDS STOP T	
Name	Resp	RA	My	RRF	****	। सा	RRT	Conc	. %Rec	DL	EMPC		_
2.3,7,8-TCDO			NC		10 024					0.250			
,2,3,7.8-PeCDD			NO	0.91	10.024	-				0 169		• • •	
2.3.4,7,8-HxCDD			NC	1 03	10 024	-	-			0 235			
2.3.6,7,8-HxCDD	2.28e3	1.07	NO	0 89	10 024	34.97	1 000	14	9	0.206	1 49		
2.3,7,8,9-HxCDD	8 54e2	1.89	YES	0.89	10 024	35.26	1 000	0.45	7	0 186	0 354		
2.3.4,6,7,8-HpCDD	2 0 %e5	1.01	NO	0 56			1 000			0 585			
CDD	1.15#6	0.00	NO			41,83	1.000	86	3	0.610			
3,7,8-TCDF			NO	0 75	10 024			<u> </u>		0.261			
2.3.7,8-PeCDF	7 45e2	161		0 89			1 000		-	0 142			
3,4.7,8-PeCDF	5 30e2	1 39		0.93	10 024		1 000			0 146			
2,3,4,7,8-HxCDF	1 1 4e 3	1 35		0.88			1.001	0.94	8	C 0927			•
2,3.6,7,8-HxCDF			NO	0 59						0 0763			
4.6.7,8-HxCDF	_	-	NO	0 93			-	-	-	0 0715			
37.8,9-HxCDF		1.00	NC NC	0.87				+	7	0 117			
3.4 6.7.8-HpCDF	5 20e3	1 03		0.87			1 001	38	·	0 152 0 194			
3,4.7.8,9-HpCDF		0.55	NC	1 01			1 000	19		0 194			
×	2 28e4	55.0		1 16		42 01			9 196	0.146			
C-2 3,7.8-TCDD	1.79e5	0 77		0 85					1 35 1	0.140			
C-1,2 3,4,7,8-HxCDD	_	1 27		0 78					1 50.5	C 332			
-1,2 3,4,7,6-HXCDD	2 39e5 3 43e5	1 30		1 02		3496			1 55 4	0.255			
14													:-3ia€e. 1
()- 4-)1-) ∡- 20002∡ 3	2007-1-5-0.0	11 O.		12-2005.	2_ 2 .00							123	3 12
												<i>43</i>	
											,		
14	25-4-1-												- ,otag-
0-4-01-02 L H 12 - J			;									8841	د~ع
												104 1	
													· · ·
14												1.	0.901.906
CAR1.02-2036225	2001165-01 Pr.	/ 10.55	; # 01 i	12 2005	77 TT 20							774	د ۱۹۵۰
a												3711	30
						,.							
40 20	40.40	40	50	40.	80	4100	0	41_20		41 40	4	00 42 20 42 40 42 60 42 80 43 00 43 20 43 40 43 60 43 80 44.00	
40 20	40.40				80	41.00	0	41 20		41 40	4	00 42 20 42 40 42 60 42 20 43 00 43 20 43 40 43 60 42 80 44 00 ☐ 20070782 14 B ♀ ≪ ↓ ♥	4 (Ai

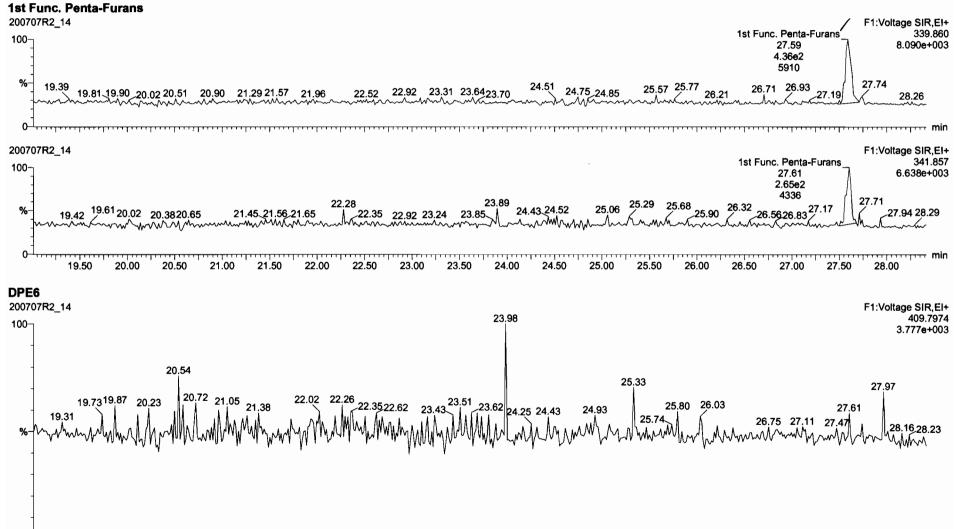
· • •

ista Analytica	ple Report I Laboratory	Massi	.ynx 4.1 SC	JN013												Page 163 of
ataset:	Untitled															
ast Altered: rinted:	Wednesday, J Wednesday, J															
ame: 200707	/R2_14, Date: (07-Jul-202	20, Time: 2	2:53:30, ID	: 20011	55-01 PD	9-1175 S C	-A-01-0	2-200522	11.08, [Descripti	on: PDI	-117550	C-A-01-02	-200522	!
3,7,8-TCDF 00707R2_14	19.70 20.18 20.30	SN 20.56	21.26 21.44	کر 22.05 ^{22.14}	22.47	5N 22.95 23	25 23.7	SN 1 24.09	24.64 24.57	24.72 Sez	A/1 25.62 5.30	25.96	26.51	 26.78.26.86 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	5مک 27.49	F1:Voltage SII 303. 27.67 5.344e
0 ⁴	9 19.99.20.09	20.80	21.36 21.47	22.01	22.41	22.97 23	.27 23.55		24.66;2.05e2 24.19		25.60	25.96	26.38	26.80 27.0)5 27.6	F1:Voltage SII 30: 5.189e 55 28.17
0 ¹	0 20.00 20	0.50 21.	00 21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00
8 C-2,3,7,8-TC 0707R2_14	CDF					1:	3C-1,2,3,4-1 24.10 4.63e5 5427179	Λ		13	C-2,3,7,8-T 25.57 7.91e4 1015676					F1:Voltage SII 315. 5.467e
0						1:	3C-1,2,3,4-1 24.10 6.18e5 7122082	$\overline{\Lambda}$		13	C-2,3,7,8-T 25.57 1.04e5 1367739				1	F1:Voltage SII 31: 7.133e
0 ⁻¹	0 20.00 20	0.50 21.	00 21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00
PE1 0707R2_14	2	20.80	21.2921 42	22.05 22	29 22.76	20.05		~~~~	24.54							F1:Voltage SII 375 4.146e
19.33 %	19.84 ^{20.11} 19.84 ^{20.11} 19.84	Mulin	MMMM	MMM	MMM	122.30 23 M.M.M	3.28 23.58 MMMM	23.80 MMM	24.39 WWW WWW	24.93 2 MMW	25.35 25 NMMM N	.80 26. Mypy	2026.33 ₂ Myyyydd	6.60 27.08 Mr	~27.19 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	27.82 28.09





Quantify Sam Vista Analytica	• • •	Page 164 of 182
Dataset:	Untitled	
Last Altered: Printed:	Wednesday, July 08, 2020 6:54:00 AM Pacific Daylight Time Wednesday, July 08, 2020 6:55:34 AM Pacific Daylight Time	
Name: 200707	R2_14, Date: 07-Jul-2020, Time: 22:53:30, ID: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description:	PDI-1175SC-A-01-02-200522

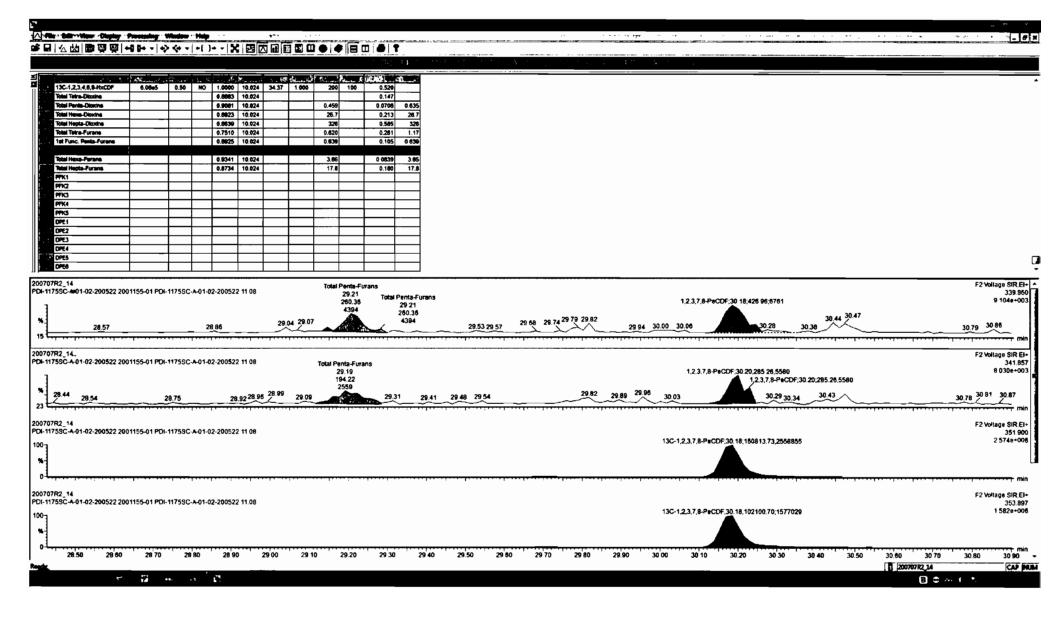


0min 20.00 21.50 22.50 23.00 23.50 24.00 25.50 27.00 19.50 20.50 21.00 22.00 24.50 25.00 26.00 26.50 27.50 28.00

uantity Sam ista Analytica	ple Report	MassLynx	4.1 SCN8	315										Page	165 of 1
ataset:	Untitled														
ast Altered: rinted:	Wednesday, Ju Wednesday, Ju														
ame: 200707	7R2_14, Date: 07	7-Jul-2020, T	ime: 22:5	3:30, ID: 2	2001155-0	01 PDI-11	75SC-A-0	-02-2005	22 11.08,	Descriptio	on: PDI-11	175SC-A-(01-02-2005	522	
2,3,7,8-PeCl	DF	A 29.21				/				~					
0707R2_14	28.86 29.04	2.60e2 29.21 4394 2.60e2	2 (7)	,1,2 لر م ک 29.79 ^{29.82}	3,7,8-PeCD	\wedge	9e2;6759 30.44 30.47	5 12,3 30.79 30,	3,4,7,8-PeC⊑ 86 31.0	F;31.18;3.08 8 / _ 2,3,4,7	e2;5149 7,8-PeCDF;:	31.18;3.08e2	کر ک ^{2;5149} 32.0	32 17	Itage SIR, 339. 9.104e+ 2.37
0				· · · · · ·		· · · · · ·		×-/ 	· / · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·
00707R2_14		29 <u>,</u> 19 29.3			2,3,7,8-PeCI	~		30 78 2.3	3.4.7.8-PeCI	0F; <u>3</u> 1.18;2.22	e2;2528 a	1.59			ltage SIR 341 8.030e+
% 28.54	28.75 28.96	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	29.54	29.82	29.96 30.0	3 30.4	43 30.47	30.78 -				1.59	32.	11 32.24	~~~~~
0 ⁻¹	28.75 29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.5
)0 % _ 0 				1	30.18 .61e5 558855 			1	31.16 .43e5 148749						2.574e+
00707R2_14				13C-1,2	.3,7,8-PeC[DF;30.18;1.0)2e5;1577029	8	,4,7,8-PeCD 31.16 3.43e4 563713					F2:Vo	itage SIR 353 1.585e+
0 ⁴ , , , , , , , , , , , , , , , , , , ,	28.75 29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.
PE2 0707R2_14												31.66	32.		ltage SIF 409.3 3.412e
28.55 ²	8.69 28.99 28.87 29.7	29.22 29.3 15	29.56	29.85 ²⁹	.89 //	0.14 /30.20 30	.41 30.47	30.69	30.92 	31.18 31	.37 31.8	59 31.77 3	31.89_31.94	32.3	1 32.4
-															

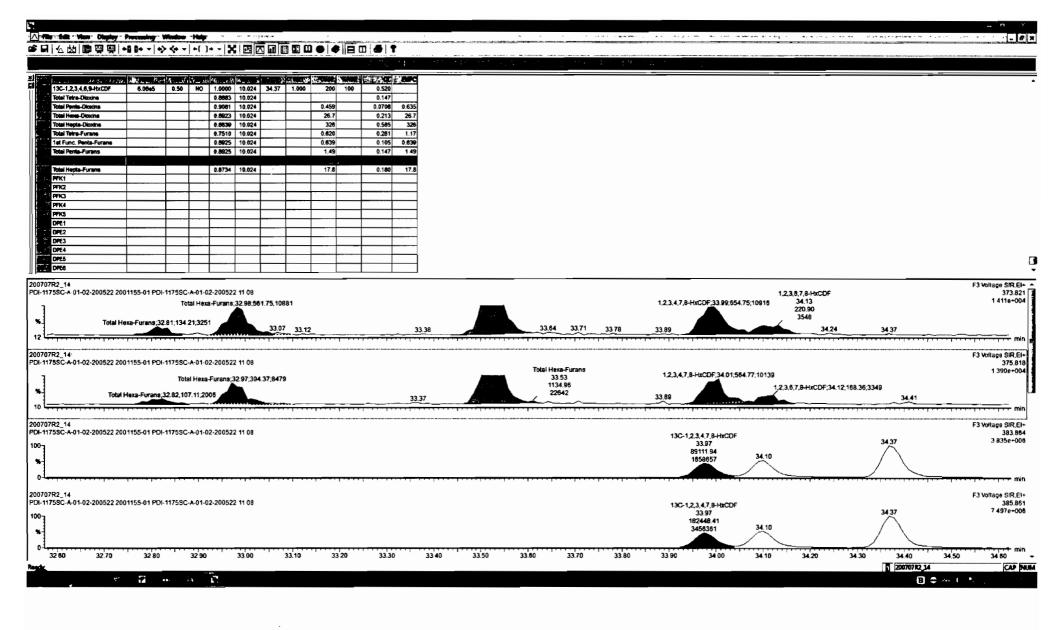
Work Order 2001155

٦,

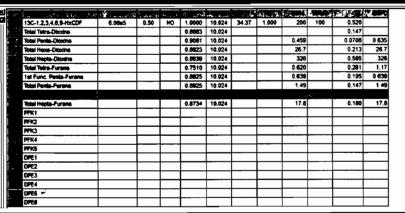


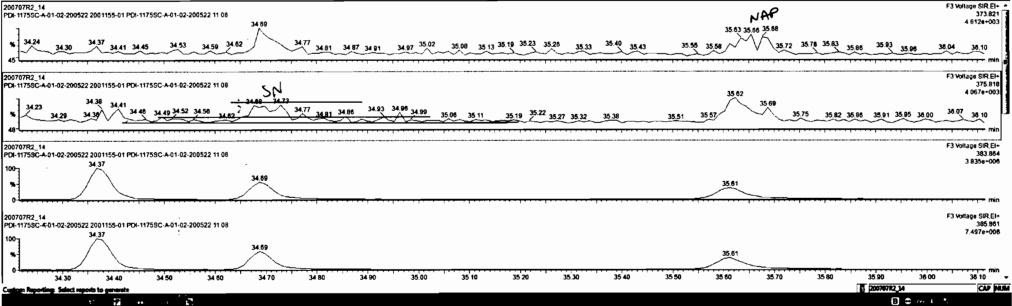
-1							-								<u>.</u>	• • • • •								••	· · · · ·	
Edt - View Display - 1	vocessing - Wi	dow : ł	tep	• ••••					÷													ala (1. 1. p. h. p.			church and a second second	
2 四 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日 日	8 8+ + +> ·	* * •	-{ }+ -	X				¢ i F	1 [[] : 4	B T																
			a					× <u>.</u>					<u></u>					······								· · · · · · · · · · · · · · · · · · ·
					_					÷.,																
	£	and the s		Sel Sugar			1.0				MPC															
3C-1,2,3,4,6,9-HbtCDF	6.06e5	0.50	NO 1.00	00 10.0	24 34.37	1.000	20	0 100	>	0.520																
stal Tetra-Disxine			0.88	63 10.0	24					0,147																
stal Panis-Dicxins			0.90				0.45			.9708 (
otal Have-Dioxine			0.86				26.				26.7															
stal Hepta-Dicxins			0.86				32			0.585	326															
dat Tetra-Furana				10 10.0			0.62				1.17															
et Func. Peola-Furana			0.86	25 10.0	24		0.63	9		0.105 0	639															
tal Hexs-Furans			0.03	41 10.0	4		3.6			0839	3.65															
tai Hepis-Furans				34 10.0		+	17.0				17.8															
K1		-+-	0.0/			+		<u> </u>	-	0.100																
R(2 -				<u> </u>	-	+			<u> </u>	_	_															
903						1	+	1	_																	
FIK4						1		1																		
965																										
PE1																										
E2									_																	
PE3																										
PE4					_		-				_															
PES		-+	_	_	_				_		_															
PES																										
SC-A-01-02-200522 200	1155-01 PDI-11	759C-A-	01-02-200	522 11 0	3			PeCDF	;31.18;1	71 99;517								-								F2 Voltage SIR. 339: 7 565e+
		759C-A-		522 11 0	3	31.08		PeCDF	31.18;1			Furans;31 21	1,132.95;3330	31	.51 31	57		31.71			31.9	1 31.94		_	32.09	339.
19 <u>30.79</u> 72_14	30.86	30	92					PeCDF	31.18.1			Furans;31 2*	1,132.95;3330	31	.51 31	57		<u>31.71</u>		1	31.9	1 31.94			32.09	339 7 565e+ 32.17 F2 Voltage SIR
19 <u>30.79</u> 72_14	30.86	30	92			31.08					Total Penta	Furans;31 2*	1,132.95;3330	31	.51 31	57		31.71	- 1	1	31.9	1 31.94			32,09	339: 7 565e- 32.17 F2:Voltage SiR 341.1
19 <u>30.79</u> 72_14	30.86	30	92 01-02-200			31.08					Total Penta	Furans;31 2*	1,132,95;3330	31	.51 31	57		31.71	•] • • • • •	1	31.9	1 31.94			32,09	339: 7 565e- 32.17 F2:Voltage SiR 341.1
8 30.79 2_14 C-A-01-02-200522 200	30.88	30	92			31.08	2,3,4,7,8-1				Total Penta	Furans;31 2*	1,132,95;3330	31	.51 31	57		31.71		1	31.9	1 31.94			<u></u>	339: 7 565e- 32.17 F2:Voltage SiR 341.1
9 30.79	30.88	30	92 01-02-200 30.95		3	31.08					Total Penta	Furans;31 2*	31 39	31,48	.51 31		31_66			1		1 31.94			32,09	339 7 5659- 32 17 F2 Voltage SIR 341 4 872e+
30.79 14 14 C-A-01-02-200522 200	30.88	30	92 01-02-200 30.95	522 11 0	3	31.04	2,3,4,7,8-1				Total Penta	Furans,31 2*					31,66			1	31.9 31.89	1 31.94	3	2.03	<u></u>	339 7 5656+ 32.17 F2.Voltage SIR 341.
9 30.79 -14 IC A-01-02-200522 200 	30.88	30	92 01-02-200 30.95	522 11 0	3	31.04	2,3,4,7,8-1				Total Penta	Furans;31 2*					31.66					1 31.94	3	2.03	<u></u>	339 7 5656- 32 17 F2 Voltage SIR 341 4 872e+
9 30.79 	30.88	30 75SC-A- 730	92 01-02-200 30.95 92	522 11 0	.01	31.04	2,3,4,7,8-1				Total Penta	Furans,31 2*					31.66			1		1 31.94	3	2.03	<u></u>	339. 7 565+- 32 17 F2 Voltage SIR 341. 4 872e+ 3221 52 Voltage SIR
9 30.79 2_14 5C-A-01-02-200522 200 30.72 30.75 30.78 30	30.88	30 75SC-A- 730	92 01-02-200 30.95 92	522 11 0	.01	31.04	2,3,4,7,8-1	PoCDF	31.18,1		Total Penta	Furans,312					31.56			· · · · · · · · ·		1 31.94	3	2.03	<u></u>	339. 7 565e- 32 17 F2 Voltage SIR 341. 4 872e- 3221 F2 Voltage SIR 351. 351.
9 30.79 	30.88	30 75SC-A- 730	92 01-02-200 30.95 92	522 11 0	.01	31.04	2,3,4,7,8-1		31.18,1		Total Penta	Furans,31 2*					31.66			· · · · · · · ·		1 31.94	3	203	<u></u>	339 7 5656- 32 17 F2 Voltage SIR 341 4 872e- 3221 F2 Voltage SIR F2 Voltage SIR 351
9 30.79 	30.88	30 75SC-A- 730	92 01-02-200 30.95 92	522 11 0	.01	31.04	2,3,4,7,8-1	PoCDF	31.18,1		Total Penta	Furans,31 2:					31.66			1		1 31.94	3	2.03	<u></u>	339 7 5659- 32 17 F2 Voltage SIR 341 4 872e- 3221 F2 Voltage SIR 52 Voltage SIR 351.
9 30.79 	30.88	30 75SC-A- 730	92 01-02-200 30.95 92	522 11 0	.01	31.04	2,3,4,7,8-1	PoCDF	31.18,1		Total Penta	Furans,31 2'					31.66		· · · · · · ·	· · · · · · · · · · · · · · · · · · ·		1 31 94	3	203	<u></u>	339 7 5659- 32 17 F2 Voltage SIR 341 4 872e- 3221 F2 Voltage SIR 52 Voltage SIR 351.
30.79 14 CA-01-02-200522 200 30.72 30.75 30.78 30 14	30.88	30 75SC-A- 730	92 01-02-200 30.95 92	522 11 0	.01	31.04	2,3,4,7,8-1	PoCDF	31.18,1		Total Penta	Furans,31 2*					31.66			· · · · · · · · · · · · · · · · · · ·		1 31.94	3	2.03	<u></u>	339 7 5656- 32 17 F2 Voltage SIR 341 4 872e- 3221 F2 Voltage SIR 351 2 455e-
30.79 14 CA-01-02-200522 200 30.72 30.75 30.78 30 14	30.88	30 75SC-A- 730	92 01-02-200 30.95 92	522 11 0	.01	31.04	2,3,4,7,8-1	PoCDF	31.18,1		Total Penta	Furans,31 2*					31.66			· · · · · · · · · · · · · · · · · · ·		1 31.94	3	203	<u></u>	339 7 5659- 32 17 F2 Voltage SIR 341 4 872e- 3221 F2 Voltage SIR 3223 F2 Voltage SIR 351 2 455e+
30.79 14 14 C-A-01-02-200522 200 30.72 30.75 30.78 30 14 14 C-A-01-02-200522 200	30.88 1155-01 PDI-11 1155-01 PDI-11	<u>30</u> 7/55C-A 7 <u>30</u> 7/55C-A-	92 01-02-200 30.95 92 01-02-200	522 11 0 31 522 11 0	.01 ,	31.04	2,3,4,7,8-1	PoCDF	31.18,1		Total Penta	Furans,31 2'					31.86					<u>1 31 94</u>	3	203	<u></u>	339 7 5659- 32 17 F2 Voltage SIR 341 4 872e- 3221 F2 Voltage SIR 351 2 455e-
8 30.79 2.14 3C - 01-02-200522 200 30.72 30.75 30.78 30 2.14 2.14 2.14	30.88 1155-01 PDI-11 1155-01 PDI-11	<u>30</u> 7/55C-A 7 <u>30</u> 7/55C-A-	92 01-02-200 30.95 92 01-02-200	522 11 0 31 522 11 0	.01 ,	31.04	2,3,4,7,8-1	PeCOF	31.18,1		Total Penta	Furans,31 2*					31.56			· · · · · · · · · · · · · · · · · · ·		1 31.94	3	2.03	<u></u>	339: 7 565e- 32 17 F2 Voltage SIR 341: 4 872e- 3221 F2 Voltage SIR 351: 2 455e+ F2 Voltage SIR 353: 552 Voltage SIR 353:
8 30.79 2_14 SC-A-01-02-200522 200	30.88 1155-01 PDI-11 1155-01 PDI-11	<u>30</u> 7/55C-A 7 <u>30</u> 7/55C-A-	92 01-02-200 30.95 92 01-02-200	522 11 0 31 522 11 0	.01 ,	31.04	2,3,4,7,8-1	PoCDF	31.18,1		Total Penta	Furans,31 2*					31.66			1		1 31.94	3	2.03	<u></u>	339. 7 565e- 32 17 F2 Voltage SIR 3411 4 872e+ 3221 F2 Voltage SIR 2455e+ F2 Voltage SIR
9 30.79 2.14 3C-A-01-02-200522 200 30.72 30.75 30 78 30 2.14 3C-A-01-02-200522 200	30.88 1155-01 PDI-11 1155-01 PDI-11	<u>30</u> 7/55C-A 7 <u>30</u> 7/55C-A	92 01-02-200 30.95 92 01-02-200	522 11 0 31 522 11 0	.01 ,	31.04	2,3,4,7,8-1	PeCOF	31.18,1		Total Penta	Furans,31 2:					31.86					<u>1 31.94</u>	3	2.03	<u></u>	339: 7 565e- 32 17 F2 Voltage SIR 341: 4 872e- 3221 F2 Voltage SIR 351: 2 455e+ F2 Voltage SIR 353: 552 Voltage SIR 353:
9 30.79 2.14 30.72 30.75 30.78 30 2.14 C-A.01-02-200522 200 2.14 C-A.01-02-200522 200	30.88 1155-01 PDI-11 1155-01 PDI-11	<u>30</u> 7/55C-A 7 <u>30</u> 7/55C-A	92 01-02-200 30.95 92 01-02-200	522 11 0 31 522 11 0	.01 ,	31.04	2,3,4,7,8-1	PeCOF	31.18,1		Total Penta	Furans,31 2'					31.66			· · · · · · · · · · · · · · · · · · ·		1 31 94	3	2,03	<u></u>	339: 7 565e- 32 17 F2 Voltage SIR 341: 4 872e- 3221 F2 Voltage SIR 351: 2 455e+ F2 Voltage SIR 353: 552 Voltage SIR 353:
8 30.79 2.14 3C - 01-02-200522 200 30.72 30.75 30.78 30 2.14 2.14 2.14	30.88 1155-01 PDI-11 1155-01 PDI-11	<u>30</u> 7/55C-A 7 <u>30</u> 7/55C-A	92 01-02-200 30.95 92 01-02-200	522 11 0 31 522 11 0	.01 ,	31.04	2,3,4,7,8-1	PeCOF	31.18,1		Total Penta	Furans,31 2*					31.56			· · · · · · · · · · · · · · · · · · ·		1 31.94	3	2.03	<u></u>	339: 7 565e- 32 17 F2 Voltage SIR 341: 4 872e- 3221 F2 Voltage SIR 351: 2 455e+ F2 Voltage SIR 353: 552 Voltage SIR 353:
9 30.79 2.14 3C-A-01-02-200522 200 30.72 30.75 30 78 30 2.14 3C-A-01-02-200522 200	30.88 1155-01 PDI-11 .81 30.8 1155-01 PDI-11	30 755C-A- 7 30 755C-A-	92 01-02-200 30.95 92 01-02-200 01-02-200		3	31.07	3111	31 1f	31.18,12	22 07.245	7 31 28	· · · · · · · · · · · · · · · · · · ·		3148	31.54	3150		3171	31/75	,	31.89				3211	339. 7 565+- 32 17 F2 Voltage SIR 341: 4 872e+ 3221 F2 Voltage SIR 351: 2 455e+ F2 Voltage SIR 353: 1 585e+
9 30.79 2.14 5C-A-01-02-200522 200 30.72 30.75 30 78 30 2.14 5C-A-01-02-200522 200 2.14 3C-A-01-02-200522 200	30.88 1155-01 PDI-11 .81 30.8 1155-01 PDI-11	30 755C-A- 7 30 755C-A-	92 01-02-200 30.95 92 01-02-200 01-02-200		3	31.07	3111	31 1f	31.18,12	22 07.245	7 31 28			3148	31.54	3150		3171	31/75 3	180 31.83	31.89		32 00	32.05	32 11	339: 7 565+- 32 17 F2 Voltage SIR 32 13 4 8726+ 32 21 F2 Voltage SIR 351: 2 4556+ F2 Voltage SIR 353: 1 5856+ 32 15 32 20
9 30.79 2.14 5C-A-01-02-200522 200 30.72 30.75 30 78 30 2.14 5C-A-01-02-200522 200 2.14 3C-A-01-02-200522 200	30.88 1155-01 PDI-11 81 30.8 1155-01 PDI-11 1155-01 PDI-11 1155-01 PDI-11 0 30.85	30 755C-A- 7 30 755C-A-	92 01-02-200 92 01-02-200 01-02-200 01-02-200 01-02-200		3	31.07	3111	31 1f	31.18,12	22 07.245	7 31 28			3148	31.54	3150		3171	31.75 3	180 31.80	31.89		32 00		32 11	339: 7 565+- 32 17 F2 Voltage SIR 341: 4 872e+ 3221 F2 Voltage SIR 351: 2 455e+ F2 Voltage SIR 351: 2 455e+ F2 Voltage SIR 353: 1 585e+ 32 15 32 20

uantify Sam ista Analytica	al Laborator		Lynx 4.1 S	CN815											Page	166 of 18
ataset:	Untitled															
ast Altered: rinted:		ay, July 08, 2 ay, July 08, 2														
ame: 200707	7R2 14 Da	te: 07-Jul-20	20. Time: 2	2:53:30	ID: 2001	1155-01 P	DI-1175SC	-A-01-02-	200522 1	1.08 Des	cription:	PDI-117	5SC- A -01	.02.20052	2	
2,3,4,7,8-Hx 00707R2_14	_			/	,									02 20002		age SIR,E
00 %-32.51 Tota	Il Hexa-Furans	To ;32.98;5.70e2;1		\bigwedge	1,2,3,4,7,8- 33.71	HxCDF;33.9	9;6.55e2;109 A	16 SN		۲۲ 69		S	2	35.66	< n	373.8 2.732e+0
0 00707R2_14 00- ₃	32	xa-Furans 2.97 To 16e2	tal Hexa-Furan	. ,	.13e3;22642					1			+++++++++++++++++++++++++++++++++++++++	11		age SIR,E 375.8 2.551e+0
% 3		178	,	/		3-HxCDF;34.0 33.89	01;4.86e2;962	28 34.41		34.73				35.62		2.0010.00
0 ¹	32.80	33.00 33.20		33.60	··········		34.20	34.40	34.60	34.80	35.00	35.20	35.40	35.60	35.80	36.00
0707R2_14 10			13C-1,2,3,6	6,7,8-HxC	DF;34.10;1.	13C-1 16e5;200872	,2,3,4,6,9-Hx	CDF;34.37;2	2.03e5;378	3817		13C-	1,2,3,7,8,9-1	HxCDF;35.61		age SIR,8 383.8 3.835e+0 307928
0707R2_14							,2,3,4,6,9-Hx	CDF;34.37;4	4.05e5;740	7986				,,,,,,,,,,,,,		age SIR,E 385.8
%-			13C-1,2,3,6	6,7,8-HxC	DF;34.10;2.3	37e5;388635	A	\bigwedge	/	\sum		13C-	1,2,3,7,8,9-1	HxCDF;35.61		
0 ⁻³ 32.60	32.80	33.00 33.20	0 33.40	33.60	33.80	34.00	34.20	34.40	34.60	34.80	35.00	35.20	35.40	35.60	35.80	36.00
PE3 00707R2_14 00 ^{32.54}																age SIR,E 445.75 3.733e+0
32.7	75 32.83	33.07 2.99 33.11	33.33 33.42	33.6	33 33 .8	33.96 83 34.0	4 34.11	9 34.40 3	4.44 ^{34.67}	34.75 3	4.92 35.04	35.18 	28 35.4	7 35.63	35.79 3	85.91 /~~-









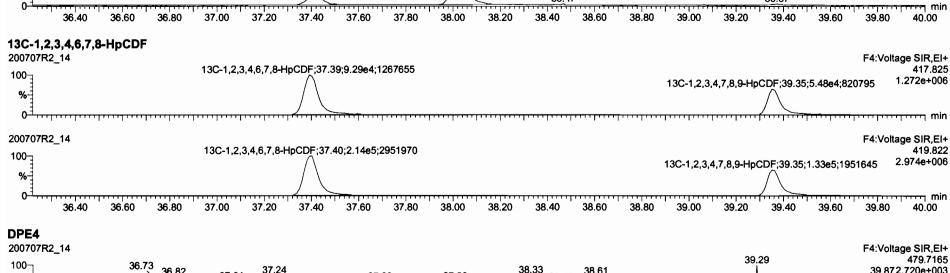
. . .

··· (···· · · · · · · · · ·

-- n ×

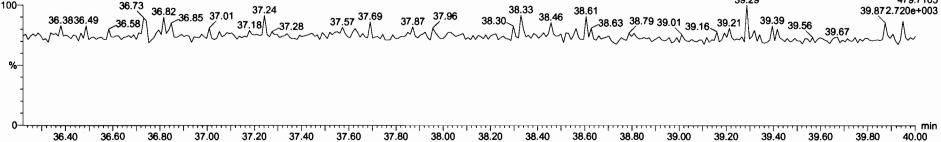
Vista Analytic	ble Report MassLynx 4.1 SCN815 Laboratory	Page 167 of 18
Dataset:	Untitled	
Last Altered: Printed:	Wednesday, July 08, 2020 6:54:00 AM Pacific Daylight Time Wednesday, July 08, 2020 6:55:34 AM Pacific Daylight Time	
lame: 20070 ,2,3,4,6,7,8- 200707R2_14	R2_14, Date: 07-Jul-2020, Time: 22:53:30, ID: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description: PDI-1175SC-A-01-02- pCDF	-200522
200/0/INZ 14		F4:Voltage SIR.EI
100 % 0	Total Hepta-Furans;38.02;7.58e3;105591	F4:Voltage SIR,EI 407.78 1.092e+00

38.47



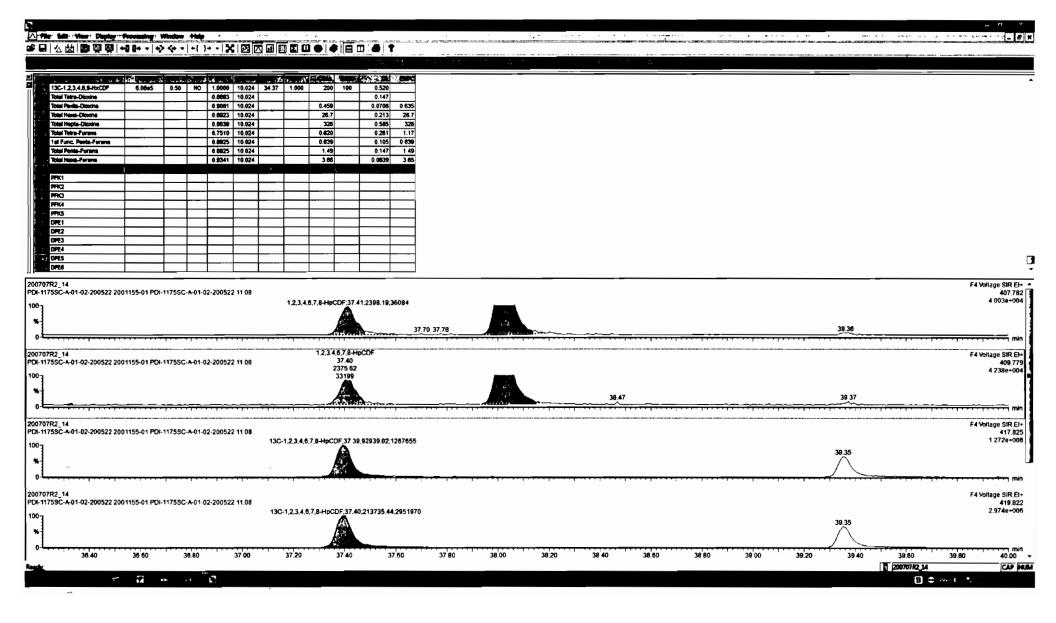
2.56e3

33253

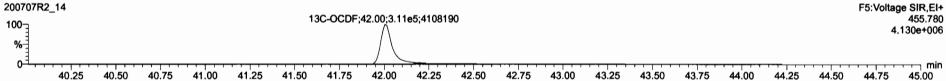


%-

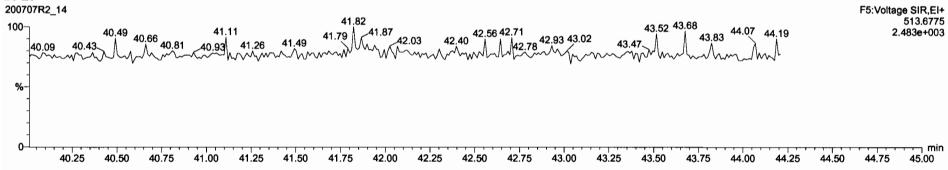
39.37



Quantify San /ista Analytica	nple Report N al Laboratory	lassLyn x 4	I.1 SCN815													Page 1	68 of 18
Dataset:	Untitled																
ast Altered: Printed:	Wednesday, July (Wednesday, July (08, 2020 6:5 08, 2020 6:5	54:00 AM Pa 55:34 AM Pa	acific Day acific Day	light Tin light Tin	ne ne											
lame: 20070	7R2_14, Date: 07-Ju	u l-2020 , Tin	ne: 22:53:3	0, ID: 200	01155-0	1 PDI-1'	175SC-A	-01-02-2	200522 1	1.08, De	scriptic	on: PDI-	1175SC-	-A-01-02	-200522	2	
200707R2_14				OC 42 1.0 148	.01 7												ge SIR,EI 441.74 .523e+00
00707R2_14				OC 42 1.2 162	.01 2e4	~~~~										F5:Voltag	ge SIR,E 443.74 .662e+00
40.2	25 40.50 40.75	41.00 41.	.25 41.50	41.75	42.00	42.25	42.50	42.75	43.00	43.25	43.50	43.75	44.00	44.25	44.50	44.75	45.00
1 3C-OCDF 200707R2_14				13C-OC 42.00 2.81e) 7\												ge SIR,EI 453.783 8.531e+00



DPE5



 A File
 Edit
 View
 Display
 Processing
 Window
 Help

 Image: A file
 Image: A file
 Image: A file
 Image: A file
 Image: A file
 Image: A file
 Image: A file

					_					_	200707	813	1.41 [Sout Project Million A. St. (20) (1999 11) をおくれたいしん 14 (20) (2012)	
Ma Na		Resp	RA	ny	POF	wt/vol	RT	- GET	Conc	1400		L EMPC		
1 2	3.7.8-TCDD		- T	NO	0 89	10 024					C 26			L.
2 1.	2,3,7,8-PeCDD			NO	051	10 024					3 16			
	2,3.4,7.8-HxCDD			HO	1 03	10 024		1.000		_	0 23			
	2.3 6.7.8-HxCDD 2 3 7.8 9-HxCDD	2 28e3 8 54e2	1 07	NO VES	0 89	10 024		1 000			0 20			
	2.3 4 6 7,8-HpCDD	2 01e5	1 01		0 55	10 324					0.58			
7 00		1 15e6	0 56					1.000		-	0.61		653	
	3 7 8-TCOF			HC	0.75	10 324					0.26			
	2.3.7.8-PeCDF	7 45e2	1 61	HO	0.85							2 0 6 3 2		
	3.4 7.8-PeCDF 2.3 4.7.8-HxCDF	£ 30e2	1 39	HC HO	0 93	10 024	31 18 33 99			_	0 092	6 0497		
	2.3.6.7.8-HxCDF	1.1403	1.35		0.89			1,001		<u>'</u>	0 076			
	3.4.6.7.8-HxCDF		<u> </u>	NO	0 93	10 024					0 071	_		
	2.3.7 8 9-HxCDF			NO	0.6.	10 024					0 11			
	2.3.4 € 7.8-HDCDF	5 20e 3	1.03	NO	0 87		37 41	1 001	3 87	7	0 15		3.87	
16 1	2.2 4 7 8.9-HpCDF	2.34+4	0.63	NC HO	1.01	10 024	12.01	1 1 000	18.		0.19		19.6	
	C-2 3 7 8-TCDD	1.79e5	0.00	NC NC	1 16	10 024				9 19 0				
	C-1 2 3 7 8-PeCDD	2 43e5	0.62	NC	D 25	10 024		1 2 1 9		35 1		6		
	C-1,2 3,4,7,8-HxCDD	2 3965	1 27	NC		10 024				50 5				
21 13	C-1 2 3 6 7 8-HACOC	3 43e5	1 30	40	1 02	10 024	34 96	1 017	111	55 4	0.25	ť.		-
1	- 14 50 4 14 60 0000 00 20	01154 ()1 PP	117595	1 a of 11	er 200-12	e H Dê							OCDF.42 01,10656 27,148882	Fri Johage SiP El- 441 743 1 t23e-005
100													\wedge	
51														
0	****							******		, in the second s				UNU internet UNU
10.7.740	- 14													HLAR SET D
H -11 C	the trade was	•••••	-1			1 d								412740
100 ;													OCDF 42.01.12768 42.153322	11400-001
•														
6-L					 ,						~~ ~ / • * •			·····
100522														 * Voltage CREE+ 4* 7821
													13C-OCDF,42 00 273108.09.3518678	3 521e+00€
¹⁰⁶]													\wedge	
*														
											,			······································
10070782														Frisoftabe SIR,EI+
PF4 117%	10 mars 10 - 10 h 20	entes de pro	11.26-1	-) , U	1-2-062	2.11.08								455 780
100)													13C-OCDF 42 00.311067 53.4111866	4 130e+006
													Λ	
1														
°L								,					Lugit Tommer	min
	40 20	40 40	40 6	0	40.6	80	41 00)	41 20		41 40	41	41 60 42 00 42 20 42 40 42 60 42 80 43.00 43 20 43 40 43 60 43 80 44 00	
Ready				_			_		_				2 2007072.14	CAP NUM
· +-	+	2	è in											1

Quantify Sam		Page 169 of 18
Dataset:	Untitled	
ast Altered: Printed:	Wednesday, July 08, 2020 6:54:00 AM Pacific Daylight Time Wednesday, July 08, 2020 6:55:34 AM Pacific Daylight Time	
Name: 200707	7R2_14, Date: 07-Jul-2020, Time: 22:53:30, ID: 2001155-01 PDI-1175SC-A-01-02-200522 11.08, Description: PDI-1175SC-A-01-02-200522	
PFK1 200707R2_14		F1:Voltage SIR,E
100 19.5 %	54 19.94 20.4220.48 21.38 21.51 21.90 22.41 22.52 22.82 23.16 ^{23.57} 23.86 24.07 24.64 25.02 25.17 25.71 25.93 26.41 26.77 27.23;1.39e4;117136	28.16 316.982
0 ⁻¹	50 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27.50	28.00 rei
PFK2 00707R2_14		F2:Voltage SIR,EI 32.37 366.979
100 28.66 %	29.02;5.41e4;206440 29.45 29.57 29.71 29.92 30.09 30.15 30.29 30.58;2.38e4;155286 30.86 31.02 31.16 31.42 31.51 31.65 31.77 31.82 32.08 28.77	Z222e+00
0 ⁻¹ 28.50	28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 32.00 3	32.25 32.50
PFK3 200707R2_14 100⊣	32.90 32.97 33.11 33.19;6.24e3;158525 33.71 34.09 34.30 34.87 35.30;1.47e5;730784 35.	F3:Voltage SIR,EI 74 380.976 3.267e+00
% 32.65		
0- ¹	32.80 33.00 33.20 33.40 33.60 33.80 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.40 35.60	35.80 36.00
PFK4 00707R2_14	36.76;1.22e5;614448 ^{37.14} 37.23 37.51 37.56 ^{37.88} 37.97 38.28 38.41 38.78 ^{39.06} 39.20 39.39 39.64 3	F4:Voltage SIR,EI 9.84 430.972 2:467e+00
% 0		
PFK5 00707R2_14	43.95	F5:Voltage SIR,E
100 40.29;1.33e	e5;582848 40.77.40.81.40.97 41.34 41.57.41.60 41.98 42.26 42.39 42.45 42.74 42.98 43.16 43.41 43.86 43.86	454.972 1.511e+00
0 ^{_1} , , , , , , , , , , , , , , , , , , ,	5 40.50 40.75 41.00 41.25 41.50 41.75 42.00 42.25 42.50 42.75 43.00 43.25 43.50 43.75 44.00 44.25 44.50	44.75 45.00

Quantify Sam Vista Analytica	aple Summary Report al Laboratory	MassLynx 4.1 SCN815
Dataset:	U:\VG12.PRO\Results\200	0628R1\200628R1-9.qld
Last Altered: Printed:		16:49 PM Pacific Daylight Time 17:20 PM Pacific Daylight Time

GRB 07/06/2020 C7 07/09/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

5		A New	RA	n/y	RRF	Wive	Padat	1. 13	HARRE				Antes and a	(the second second
	1 2,3,7,8-TCDD			NO	0.888	10.133	26.501		1.001				0.206	[
	2 1,2,3,7,8-PeCDD			NO	0.908	10.133	31.457		1.001				0.277	
1. A	3 1,2,3,4,7,8-HxCDD	6.12e2	1.41	NO	1.03	10.133	34.835	34.93	1.000	1.003	0.55195		0.304	0.552
	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.133	34.921		1.000				0.287	
a starting and	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.133	35.220		1.000				0.357	
	6 1,2,3,4,6,7,8-HpCDD	3.10e4	0.99	NO	0.864	10.133	38.767	38.77	1.000	1.000	34.693		0.626	34.7
	7 OCDD	2.09e5	0.87	NO	0.914	10.133	41.748	41.76	1.000	1.000	256.50		1.84	257
	8 2,3,7,8-TCDF	7.52e2	0.78	NO	0.751	10.133	25.596	25.60	1.001	1.001	0.49254	(0387)	0.144	0.493
6	9 1,2,3,7,8-PeCDF	1.14e3	1.76	NO	0.893	10.133	30.175	30.18	1.001	1.001	0.60305	`	0.122	0.603
and in the	10 2,3,4,7,8-PeCDF	7.40e2	1.74	NO	0.935	10.133	31.161	31.15	1.001	1.000	0.38977		0.114	0.390
	11 1,2,3,4,7,8-HxCDF	1.43e3	1.10	NO	0.884	10.133	33. 9 41	33.96	1.000	1.001	1.1067		0.151	1.11
	12 1,2,3,6,7,8-HxCDF	5.61e2	1.10	NO	0.889	10.133	34.07 9	34.09	1.000	1.001	0.33141		0.143	0.331
44 S	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.133	34.690		1.001				0.144	
	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.133	35.571		1.000				0.233	
8	15 1,2,3,4,6,7,8-HpCDF	2.55e3	1.06	NO	0.873	10.133	37.386	37.37	1.001	1.001	2.3168		0.259	2.32
	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.133	39.299		1.000				0.336	
	17 OCDF	5.90e3	0.80	NO	0.806	10.133	41.940	41.95	1.000	1.000	7.0485		0.474	7.05
1	18 13C-2,3,7,8-TCDD	3.34e5	0.78	NO	1.16	10.133	26.491	26.47	1.026	1.026	104.72	53.1	0.335	
	19 13C-1,2,3,7,8-PeCDD	3.13e5	0.66	NO	0.849	10.133	31.674	31.43	1.227	1.218	133.37	67.6	0.485	
. Salar	20 13C-1,2,3,4,7,8-HxCDD	2.12e5	1.27	NO	0.779	10.133	34.819	34.83	1.014	1.014	109.81	55.6	0.861	
	21 13C-1,2,3,6,7,8-HxCDD	3.11e5	1.26	NO	1.02	10.133	34.932	34.92	1.017	1.017	123.70	62.7	0.659	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22 13C-1,2,3,7,8,9-HxCDD	2.68e5	1.29	NO	0.903	10.133	35.204	35.21	1.025	1.025	119.89	60.7	0.743	
	23 13C-1,2,3,4,6,7,8-HpCDD	2.04e5	1.05	NO	0.689	10.133	38.726	38.76	1.128	1.129	119.73	60.7	0.878	
	24 13C-OCDD	3.53e5	0.89	NO	0.652	10.133	41.748	41.75	1.216	1.216	218.54	55.4	1.28	
	25 13C-2,3,7,8-TCDF	4.01e5	0.77	NO	1.06	10.133	25.534	25.57	0.989	0.991	91.578	46.4	0.470	
	26 13C-1,2,3,7,8-PeCDF	4.18e5	1.56	NO	0.838	10.133	30.058	30.15	1.165	1.168	120.42	61.0	1.09	
dian Conta	27 13C-2,3,4,7,8-PeCDF	4.01e5	1.62	NO	0.817	10.133	31.011	31.13	1.202	1.206	118.59	60.1	1.12	
Alertan and a second	28 13C-1,2,3,4,7,8-HxCDF	2.87e5	0.50	NO	1.01	10.133	33.950	33. 9 4	0.989	0.989	115.25	58.4	0.761	
the the	29 13C-1,2,3,6,7,8-HxCDF	3.76e5	0.54	NO	1.17	10.133	34.074	34.07	0.992	0.992	130.14	65. 9	0.657	
	30 13C-2,3,4,6,7,8-HxCDF	3.45e5	0.51	NO	1.02	10.133	34.647	34.65	1.009	1.009	136.53	69.2	0.751	
	31 13C-1,2,3,7,8,9-HxCDF	2.55e5	0.49	NO	0.860	10.133	35.547	35.57	1.035	1.036	119.86	60.7	0.892	

Quantify San Vista Analytica	aple Summary Report al Laboratory	MassLynx 4.1 SCN815	
Dataset:	U:\VG12.PRO\Results\200)628R1\200628R1-9.qld	
Last Altered: Printed:		6:49 PM Pacific Daylight Time 7:20 PM Pacific Daylight Time	

			2. RA	nły	RRF			55				and the off		
Section 2	32 13C-1,2,3,4,6,7,8-HpCDF	2.49e5	0.43	NO	0.774	10.133	37.295	37.35	1.086	1.088	129.90	65.8	1.03	
14	33 13C-1,2,3,4,7,8,9-HpCDF	1.53e5	0.41	NO	0.521	10.133	39.324	39.30	1.145	1.145	118.36	60.0	1.54	
	34 13C-OCDF	4.09e5	0.87	NO	0.746	10.133	41.920	41.94	1.221	1.221	221.79	56.2	0.716	
	35 37CI-2,3,7,8-TCDD	1.34e5			1.04	10.133	26.522	26.48	1.028	1.026	46.897	59.4	0.114	
	36 13C-1,2,3,4-TCDD	5.45e5	0.79	NO	1.00	10.133	25.890	25.81	1.000	1.000	197.38	100	0.387	[
with assist	37 13C-1,2,3,4-TCDF	8.17e5	0.78	NO	1.00	10.133	24.360	24.13	1.000	1.000	197.38	100	0.498	
TE WERE	38 13C-1,2,3,4,6,9-HxCDF	4.89e5	0.55	NO	1.00	10.133	34.420	34.33	1.000	1.000	197.38	100	0.767	
	39 Total Tetra-Dioxins				0.888	10.133	24.620		0.000				0.136	
	40 Total Penta-Dioxins				0.908	10.133	29.960		0.000				0.125	
and the second second	41 Total Hexa-Dioxins				0.892	10.133	33.635		0.000		8.9026		0.327	8.90
	42 Total Hepta-Dioxins				0.864	10.133	37.640		0.000		85.425		0.626	85.4
	43 Total Tetra-Furans				0.751	10.133	23.610		0.000		0.64756		0.144	1.37
	44 1st Func. Penta-Furans				0.893	10.133	27.580		0.000		0.54748		0.0571	0.547
	45 Total Penta-Furans				0.893	10.133	29.275		0.000		1.8251		0.120	1.83
	46 Total Hexa-Furans				0.934	10.133	33.555		0.000		3.4042		0.156	3.40
	47 Total Hepta-Furans				0.873	10.133	37.835		0.000		8.0175		0.309	8.02

Page 2 of 2

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-9.qld

Last Altered:Monday, July 06, 2020 2:16:49 PM Pacific Daylight TimePrinted:Monday, July 06, 2020 2:17:20 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200628R1_9, Date: 28-Jun-2020, Time: 16:35:04, ID: 2001155-02 PDI-175SC-A-00-01-200522 11.02, Description: PDI-175SC-A-00-01-200522

Tetra-Dioxins

mt Height m2 Height m1 Resp. m2 Resp. m

Penta-Dioxins

mt Helphi m2 Helphi m2 Helphi m2 Reep . M2 Reep . M2 Reep . M4 Methods .

Hexa-Dioxins

			m2 Height		and a sources	5	1 ⁰ 1.	Citer and second	and the second	Sec. 1	terein Cita
Tetel Lieve Dission	33.32	4.610e4	3.687e4	2.602e3	2.176e3	1.20	NO	4.778e3	4.0087	4.0087	0.327
Total Hexa-Dioxins	33.88	7.303e3	5.743e3	4.096e2	3.066e2	1.34	NO	7.161e2	0.60084	0.60084	0.327
Total Hexa-Dioxins	34.13	2.607e4	1.957e4	1.997e3	1.630e3	1.23	NO	3.627e3	3.0431	3.0431	0.327
	34.24	6.463e3	5.177e3	4.431e2	3.888e2	1.14	NO	8.320e2	0.69801	0.69801	0.327
1,2,3,4,7,8-HxCDD	34.93	6.263e3	3.550e3	3.581e2	2.538e2	1.41	NO	6.119e2	0.55195	0.55195	0.304

Hepta-Dioxins

Total Hepta-Dioxins 1,2,3,4,6,7,8-HpCDD		HIR Halgha	112 Height	nat Real	n2 Reap	12112		t. Philadeline	enangger, merer Angelanden, en		
15 A March Total Hepta-Dioxins	37.76	2.215e5	2.328e5	2.271e4	2.265e4	1.00	NO	4.536e4	50.732	50.732	0.626
1,2,3,4,6,7,8-HpCDD	38.77	1.698e5	1.692e5	1.539e4	1.562e4	0.99	NO	3.102e4	34.693	34.693	0.626

Tetra-Furans

		A1 Height	m2 Height	mt Roop	m2 Resp	RA	Zoom Bape			
Total Tetra-Furans	21.47	1.581e3	1.840e3	1.248e2	1.394e2	0.90 YI	ES 0.000e0	0.00000	0.16163	0.144
Total Tetra-Furans	22.41	1.948e3	1.947e3	1.036e2	1.331e2	0.78	O 2.367e2	0.15502	0.15502	0.144
Total Tetra-Furans	24.67	5.726e3	5.903e3	4.467e2	4.844e2	0.92 YI	ES 0.000e0	0.00000	0.56164	0.144
Total Tetra-Furans Total Tetra-Furans Total Tetra-Furans Total Tetra-Furans 2,3,7,8-TCDF	25.60	4.986e3	4.700e3	3.297e2	4.222e2	0.78	NO 7.519e2	0.49254	0.49254	0.144

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-9.qld

Last Altered:	Monday, July 06, 2020 2:16:49 PM Pacific Daylight Time
Printed:	Monday, July 06, 2020 2:17:20 PM Pacific Daylight Time

.

Name: 200628R1_9, Date: 28-Jun-2020, Time: 16:35:04, ID: 2001155-02 PDI-175SC-A-00-01-200522 11.02, Description: PDI-175SC-A-00-01-200522

Penta-Furans function 1

1st Func. Penta-Furans		mit Height	m2 Height	mi Resp	h2Rest	RA					Same 1
1st Func. Penta-Furans	27.58	9.580e3	7.032e3	6.094e2	4.033e2	1.51	NO	1.013e3	0.54748	0.54748	0.0571

Penta-Furans

		mt Height	m2 Height	m1 Real	12 Resp	RAP	12		the line of the		
Total Penta-Furans	29.16	7.488e3	6.378e3	4.829e2	3.592e2	1.34	NO	8.421e2	0.45524	0.45524	0.120
1,2,3,7,8-PeCDF	30.18	1.180e4	5.702e3	7.263e2	4.123e2	1.76	NO	1.139e3	0.60305	0.60305	0.122
Total Penta-Furans	30.43	4.982e3	4.578e3	3.264 e 2	1.951e2	1.67	NO	5.214e2	0.28188	0.28188	0.120
2,3,4,7,8-PeCDF	31.15	8.429e3	4.767e3	4.692e2	2.703e2	1.74	NO	7.396e2	0.38977	0.38977	0.114
Total Penta-Furans	31.21	4.308e3	2.859e3	1.102e2	6.588e1	1.67	NO	1.761e2	0.095175	0.095175	0.120

Hexa-Furans

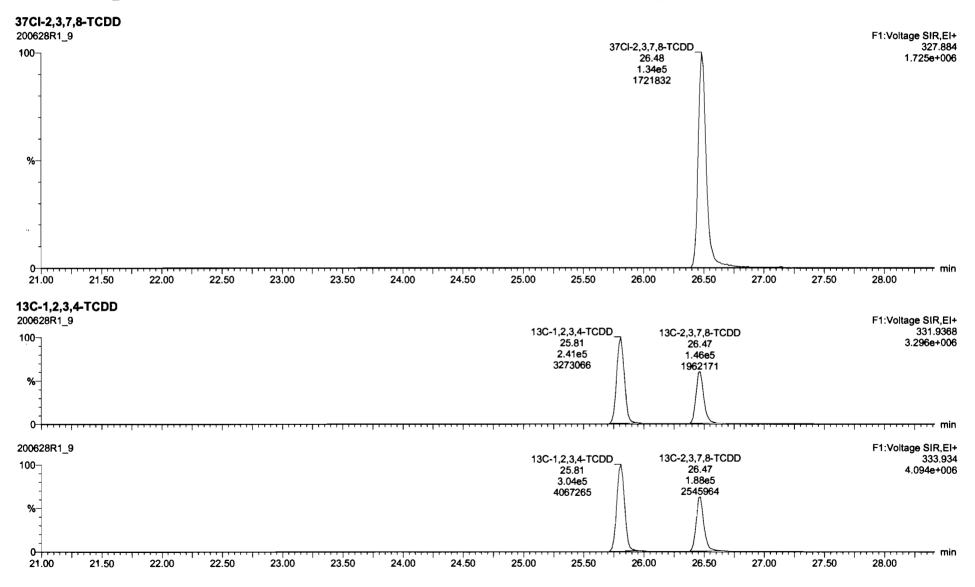
			In Height	m2 Helghi	IN VIRGID			ويد المراجعة	Activity	W.B. Son Charles and	Second Stand	
· · · ·	Total Hexa-Furans	32.79	2.902e3	2.083e3	1.259e2	9.302e1	1.35	NO	2.189e2	0.14642	0.14642	0.156
	Total Hexa-Furans	32.95	9.977e3	8.853e3	5.582e2	4.645e2	1.20	NO	1.023e3	0.683 94	0.68394	0.156
and and include	Total Hexa-Furans	33.49	1.691e4	1.217e4	9.099e2	7.883e2	1.15	NO	1.698e3	1.1357	1.1357	0.156
	1,2,3,4,7,8-HxCDF	33.96	1.248e4	1.279e4	7.471e2	6.785e2	1.10	NO	1.426e3	1.1067	1.1067	0.151
a	1,2,3,6,7,8-HxCDF	34.09	4.984 e 3	3.627e3	2.935e2	2.678e2	1.10	NO	5.613e2	0.33141	0.33141	0.143

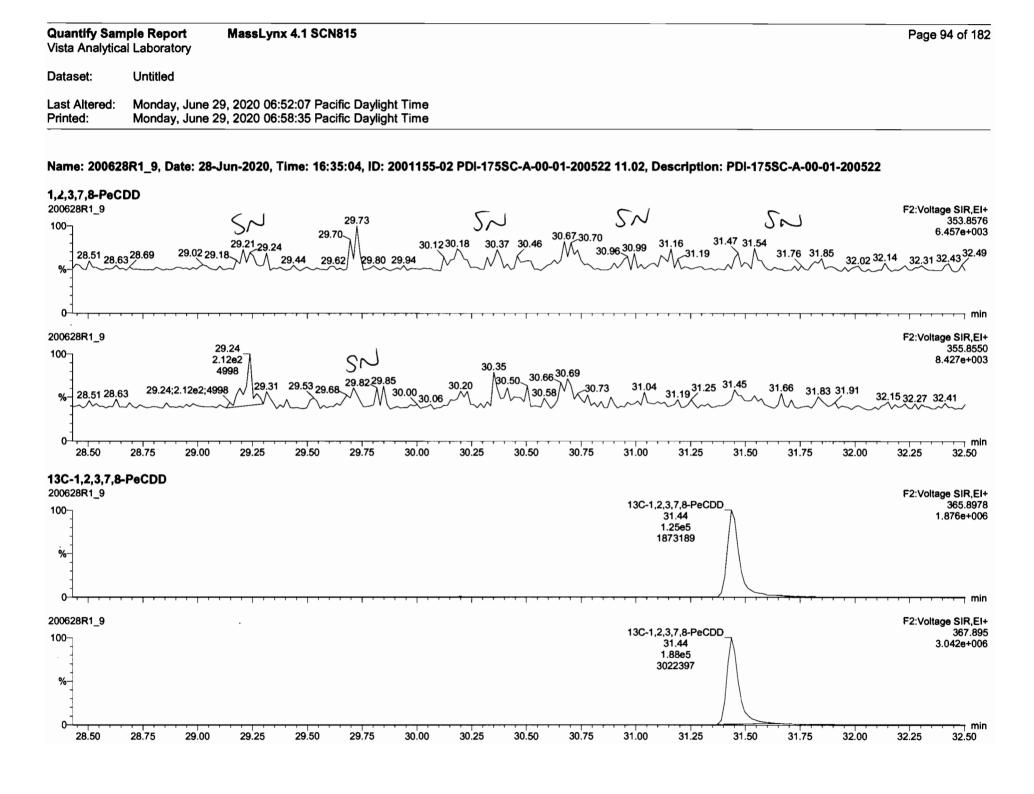
Hepta-Furans

, i		2,3,4,6,7,8-HpCDF stal Hepta-Furans		N Height	m2 Height	mi fiere			Date sile	In Enderthe St	Street In	A STATE A	
	1,2	2,3,4,6,7,8-HpCDF	37.37	1.793e4	1.688e4	1.312e3	1.241e3	1.06	NO	2.553e3	2.3168	2.3168	0.259
	То	tal Hepta-Furans	37.97	2.880e4	2.832e4	2.521e3	2.546e3	0.99	NO	5.066e3	5.7007	5.7007	0.309

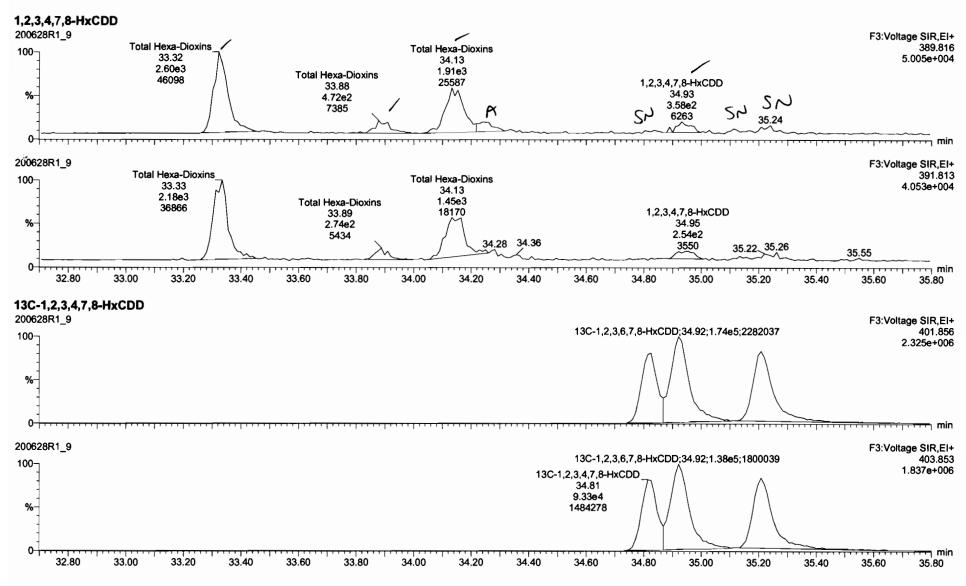
uantify Sam ista Analytica	aple Report al Laboratory	MassLyn	c 4.1 SCN815	;					Page 92 of
ataset:	Untitled								
ast Altered: rinted:		e 29, 2020 06:5 e 29, 2020 06:5							
	9P1 0 Data 2	8 Jun 2020 T	ima: 16:25:0/	A ID: 2001155 0		A 00 01 200522 11 0	2, Description: PDI-	17580 0 00 0	1 200522
3,7,8-TCDD		0-JUN-2020, 1	IIII6. 10.33.0	4,10.2001133-0	2 - 0 - 17 330-7			17555-A-00-0	-200322
		52		52	Sr	٢	SN25,99	5~	F1:Voltage SIR, 319.8
21.23 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	21.33 21.78 21.92 Mmhhhh	22.65 22.23 22.47	22.91 23.16	23.34 23.83 23.98 MMMMM	24.30 24.55 24 MMM	4.81 24.87 25.29 _{25.50}	SN 25.99 25.81 26.23 26.41 Min Martin	26.93 27.11 MMM	6.722e+ 27.58 27.97 28.25 _{28.} VMMMMMMM
0-++++++++++++++++++++++++++++++++++++									
			[, .] ,				. []]]		
_			· · · · · · · · · · · · · · · · · · ·	••••••••••••••••••••••••••••••••••••••					F1:Voltage SIR,
_	5 21.62 22.0	22.43 4 22.49	22.92 23.15	23.42 23.55 23.80	24.33 24	1.78 25.42 2 $1.7224.99$ 25.26 h \sim 1	2.96e2 2.9	.50 6e2 /46 	321. 7.035e+ 27: ⁴⁶ 27.76 28.06 28.38
0 21.14 ^{21.4} 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	21.50 22.00	4 	22.92 23.15 2 2 2 2 2 2 2 3.00	23.42 23.55 23.80 23.42 23.55 23.80 23.50 23.50 24.00	••	25.00 25.42 25.42 25.42 25.42 25.42 25.42 25.00 25.50	2.96e2 2.9 26.21 3746 37	6e2 /46	321. 7.035e+ 27.46 27.76 28.06 28.38
21.14 ^{21.4} 21.14 ^{21.4} 21.00 21.00 21.00 21.00 21.00 21.00	21.50 22.00	4 				25.00 25.50	2.96e2 2.9 26.21 3746 37 26.05 4 26.00 26.50	6e2 '46 26.83 27.08	321. 7.035e+ 27.46 27.76 28.06 28.38 27.50 28.00 F1:Voltage SIR
0 21.14 ^{21.44} %- 0 21.00 21.00 21.00 21.00 21.00 20 20 20 20 20 20 20 20 20 20 20 20 2	21.50 22.00	4 				25.00 25.50 13C-1,2,3,4-TCD 25.81	2.96e2 2.9 26.21 3746 37 26.05 26.05 26.50 26.00 26.50 D	6e2 '46 26.83 27.08	321. 7.035e+ 27.46 27.76 28.06 28.38 27.50 28.00 F1:Voltage SIR 331.9
21.14 ^{21.4} %	21.50 22.00	4 				25.00 25.50 13C-1,2,3,4-TCD	2.96e2 2.9 26.21 3746 37 26.05 26.05 26.00 26.50 26.00 26.50	6e2 '46 26.83 27.08	321. 7.035e+ 27.46 27.76 28.06 28.36 27.50 28.00 F1:Voltage SIR, 331.9
21.14 ^{21.4} 21.14 ^{21.4} %- 	21.50 22.00	4 				25.00 25.50 13C-1,2,3,4-TCD 25.81 2.41e5	2.96e2 2.9 26.21 3746 37 26.05 26.05 26.50 26.50 26.50 26.47 1.46e5	6e2 '46 26.83 27.08	321. 7.035e+ 27.46 27.76 28.06 28.38 27.50 28.00 F1:Voltage SIR 331.9
0 21.14 ^{21.4} % 0 21.14 ^{21.4} 0 21.00 21.00 30 30 30 30 4 4 4 4 4 4 4 4 4 4 4 4 4	21.50 22.00	4 				25.00 25.50 13C-1,2,3,4-TCD 25.81 2.41e5	2.96e2 2.9 26.21 3746 37 25.77 26.05 26.50 26.50 26.50 26.47 1.46e5 1962171	6e2 '46 26.83 27.08 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	321. 7.035e+ 27.46 27.76 28.06 28.36 27.50 28.00 F1:Voltage SIR 331.9 3.296e+ F1:Voltage SIR
21.14 ^{21.4} %	21.50 22.00	4 				25.00 25.50 13C-1,2,3,4-TCD 25.81 2.41e5 3273066 13C-1,2,3,4-TCD 25.81	2.96e2 2.9 26.21 3746 37 25.77 26.05 4 26.00 26.50 D 13C-2,3,7,8-TC 26.47 1.46e5 1962171 0 13C-2,3,7,8-TC 26.47	6e2 '46 26.83 27.08 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	321. 7.035e+ 27.46 27.76 28.06 28.36 27.50 28.00 F1:Voltage SIR, 331.9 3.296e+ F1:Voltage SIR, 333.9
00628R1_9 00 21.14 ^{21.4} % 10 21.00 3 C-2,3,7,8-T 00 3 C-2,3,7,8-T 00 0 0 0 0 0 0 0 0 0 0 0 0	21.50 22.00	4 				25.00 25.50 13C-1,2,3,4-TCD 25.81 2.41e5 3273066	2.96e2 2.9 26.21 3746 37 26.05 26.00 26.50 D 13C-2,3,7,8-TC D 13C-2,3,7,8-TC	6e2 '46 26.83 27.08 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	321. 7.035e+ 27.46 27.76 28.06 28.36

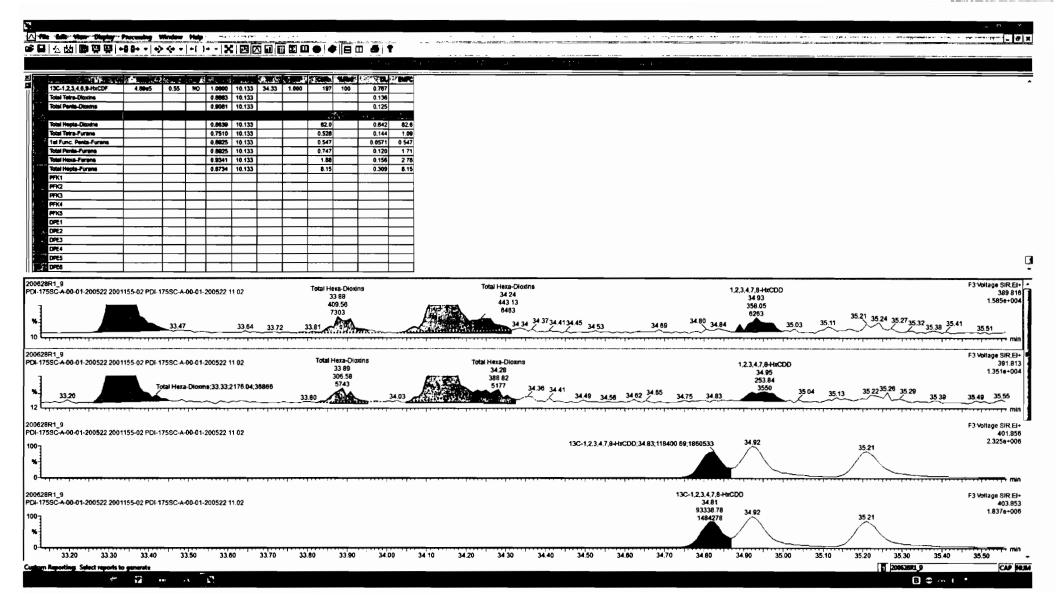
Quantify San		Page 93 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	



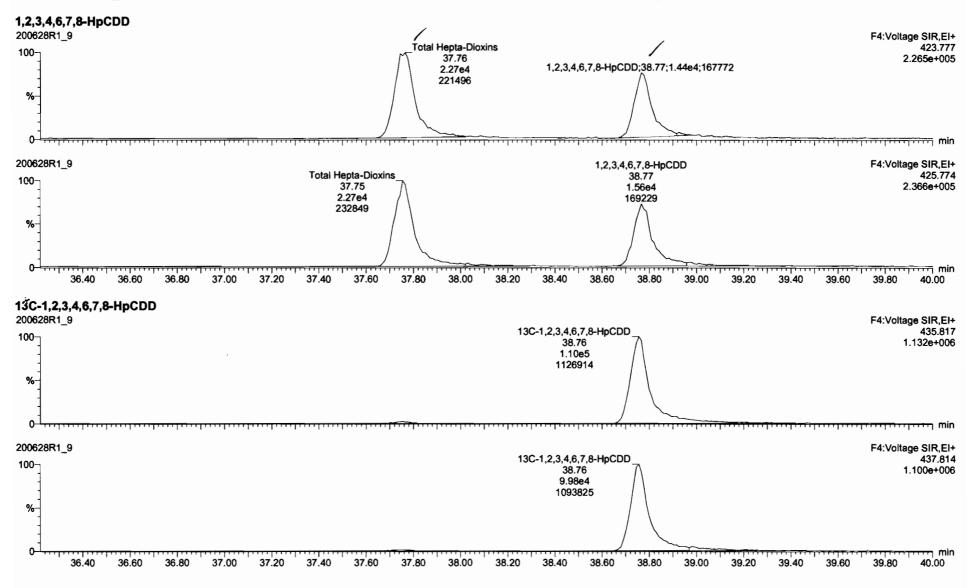


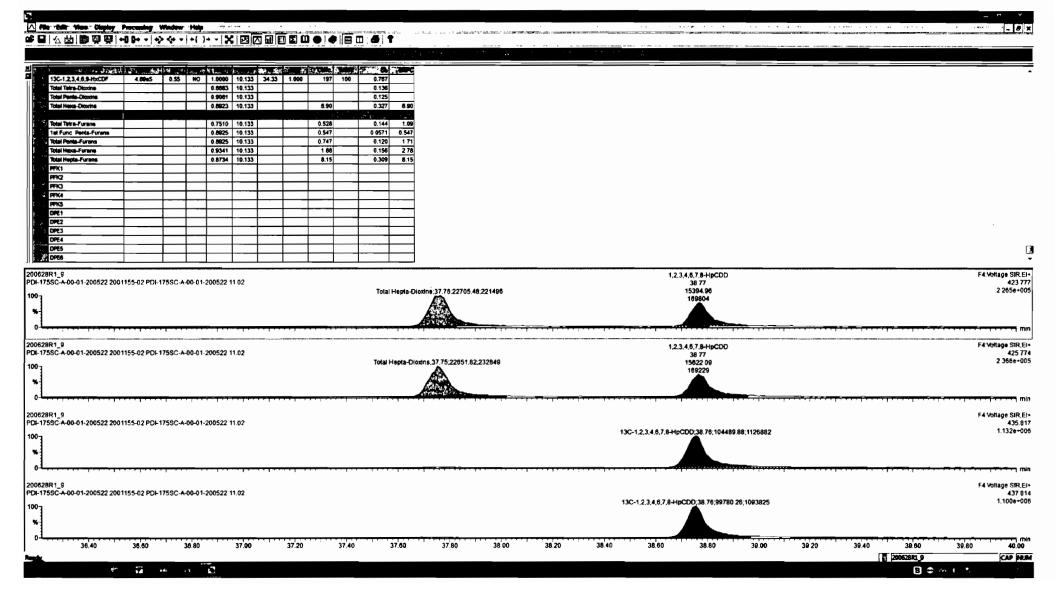
Quantify Sam Vista Analytica		Page 95 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	



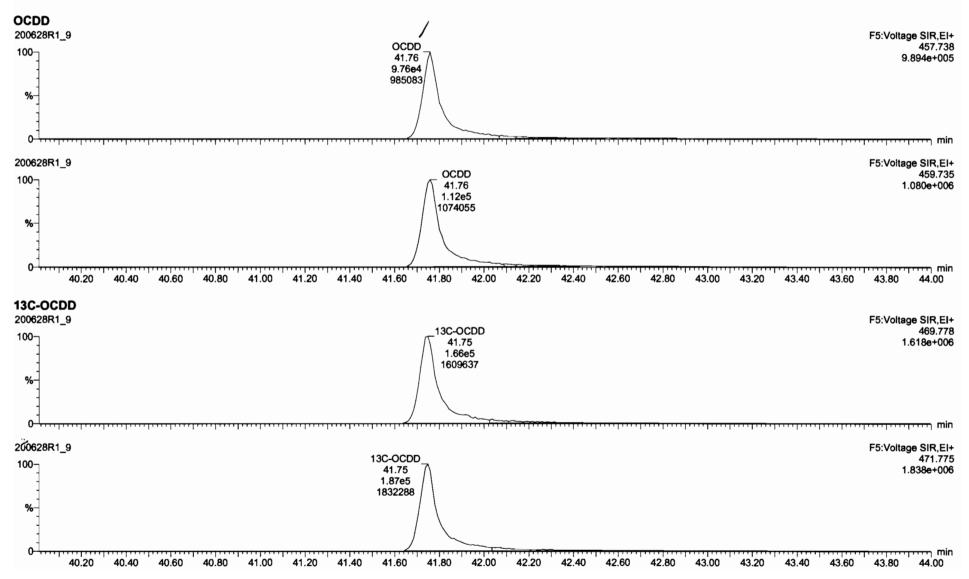


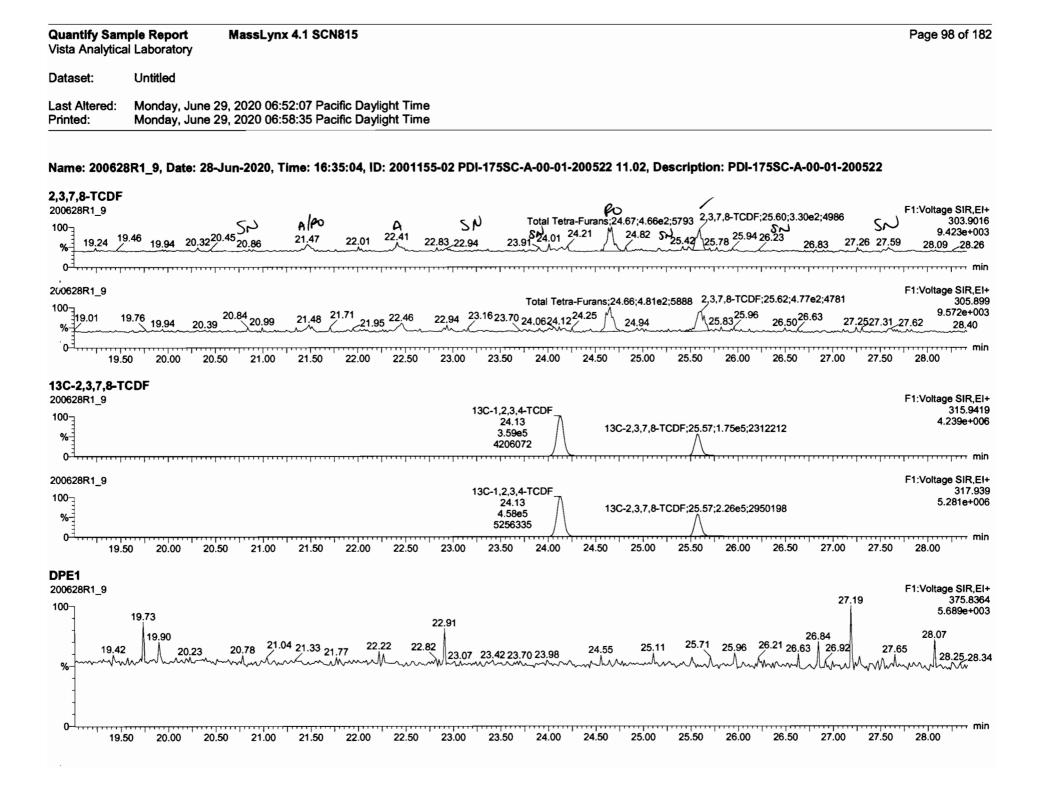
Quantify San Vista Analytica		Page 96 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	





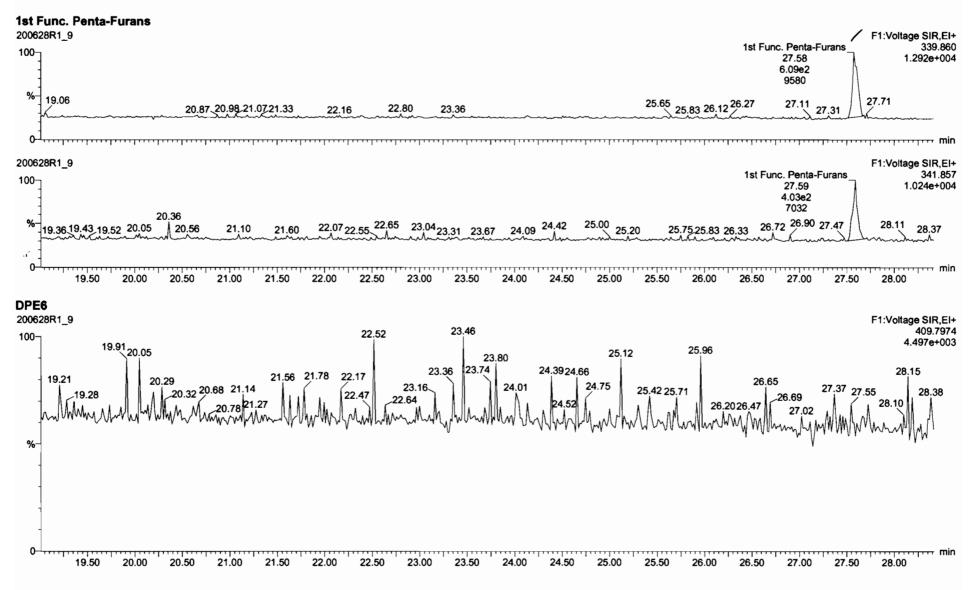
Quantify Sam Vista Analytica		Page 97 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	





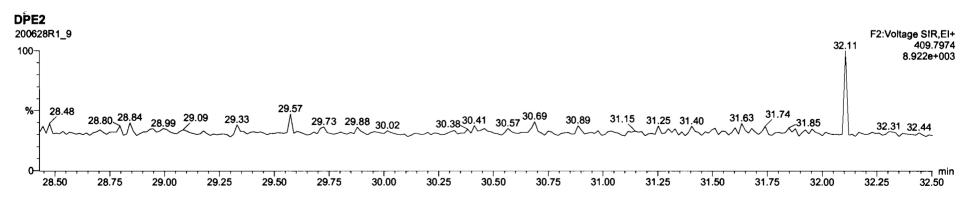
											بيستيعه حرافا الافراقير
Edit View Display, Processia											
☆は間心心をする	• • > <• • •{]→ - X							τ		
		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			i di	*****	-		* BIFC		
3C-1,2,3,4,6,9-HxCDF 4.89							100	0.767			
stal Tetra-Disxina								0.136			
stai Pents-Dicxins			10,133					0.125			
tel Hexa-Dioxina		0.8923	10.133			8.90		0.327	8 90		
tal Hepta-Dicodne		0.8539	10.133			85.4		0.626	85.4		
									1		
Func. Penta-Furans		0.8925				0.547		0.0571			
al Penia-Furans		0.8925				0.747		0.120			
el Hexa-Furans		0.9341				1.88		0.156			
al Hepts-Furans		0.8734	10.133			8.15		0.309	8.15		
8											
2											
3					<u> </u>						
5							\vdash		\vdash		
<u>.</u>		+ +						-	<u> </u>		
2											
3								-			
4											
ES							-				
56											
★-00-01-200522 2001155-02 1	PDI-175SC-A-00-0	1-200522 1	1 02	Tota	21.47	rans		2	Mra-Furar 22.41 03.56	Total Tetra-Furans;24.87,446.75;5726 2,3.7,8-TCDF;25.60;329.75;4986	F1:Votta 9.
							17722.01	2	2.41 03 56	Total Tetra-Furana.24.67.446.75.5726 2.3.7.8-TCDF;25.60:329.75.4986 22.94 23.27 23.37 23.7423.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 26.38 27.08 27.6	9.
9 24 19.45 19.73 19.94	20.11 20.32 20.	45_20.8120	86.20.90		21.47 124.82		1 7722.01	2	2.41 03 56	22.94 23.27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 28.23 28.38 28.59 26.83 27.08 27.3 2.37.8-TCDF	9.
9 24 19.45 19.73 19.94	20.11 20.32 20.	45_20.8120	86.20.90)	21.47 124.82 1581	21	17722.01	2 10 22.34	2.41 03 56 1948	22.94 23.27 23.37 23.7423.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 28.38 27.08 27.2 2.3.7.8-TCDF 25.62	9. 2 ⁶ 27.5527.5927.8528.0928 F1Vofla
9 24 19.45 19.73 19.94	20.11 20.32 20.	45_20.8120	86.20.90)	21.47 124.82 1581	21	1 7722 01	2 10 1 22.34 Total 1	2.41 03 56 1948 22 Tetra-Fur 22 46	22.94 23.27 23.37 23.7423.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.7825.94 25.99 26.23 20.38 26.59 26.83 27.08 27.4 2.3.7.8-TCDF 25.62 Total Tetra-Furance 24.66 444.415003 422.18	9. 2 ⁶ 27.55 ^{27.59} 27.85 28.09 28
9 4 9 4 00-01-200522 2001155-021	20.11 20.32 20.	45 20.8120 1-200522 1	1.02)	21.47 124.82 1581	21 	.71 21 95	2 10 1 22.34 Total 1	2.41 03 56 1948	22.94 23.27 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 26.38 27.08 27.2 2.3.7.8-TCDF 25.62 Total Tetra-Furans 24.66,484 41:5903 422 18 4700	9. 2 ⁶ 27.5527.5927.8528.0928 F1Vofla
9.24 19.45 19.73 19.94 9 4-00-01-200522 2001155-021 19.28 19.63 19.76 19.94	20.11 20.32 20 POI-175SC + 00-0 20.11 20.39 ²¹	45 20.8120 1-200522 1 0.63 20.84	86.20.90 1.02 20.99)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	22.94 23.27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 26.38 26.59 26.83 27.08 27.1 2.3.7.8-TCDF 25.62 422.18 4700 294 23.16 23.36 23.70.23.76 24.06.24.12 24.25 24.94 24.99 25.27 25.53 25.93 25.96 26.12 26.50 26.53 27.11 27.2 24.94 24.99 25.27 25.53 25.93 25.96 26.12 26.50 26.53 27.11 27.2 24.94 24.99 25.27 25.53 25.93 25.96 26.12 26.50 26.53 27.11 27.2 24.94 24.99 25.27 25.53 25.93 25.96 26.12 26.50 26.53 27.11 27.2 24.94 24.99 25.27 25.53 25.93 25.96 26.12 26.50 26.53 27.11 27.2 24.94 24.99 25.27 25.53 25.93 25.96 26.12 26.50 26.53 27.11 27.2 25.94 23.16 23.36 23.70.23.76 24.06.24.12 24.25 24.94 24.99 25.27 25.53 25.93 25.96 26.12 26.50 26.53 27.11 27.2 25.93 25.96 26.12 26.50 26.53 27.11 27.2 25.95 26.20 26.55 27.55 26.55 27.55	9 2 ⁶ 27 55 ^{27,59} 27.85 28.09 28 F1 Volta 9 25,27.31 27.6227 79.27 83 ²⁸ 04 F1 Volta F1 Volta
19.24 19.45 19.73 19.94 9 +00-01-200522 2001155-021 19.28 19.83 19.78 19.94	20.11 20.32 20 POI-175SC + 00-0 20.11 20.39 ²¹	45 20.8120 1-200522 1 0.63 20.84	86.20.90 1.02 20.99)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	22.94 23 27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 26.39 26.53 27.08 27.3 2.37.8-TCDF 25.62 Total Tetra-Furans.24.66.484 41:5903 422 18 4700 2.37.8-TCDF 25.62 24.92 23.16 23.36 23.70 23.76 24.06 24.12 24.25 24.99 25.27 25.53 25.83 25.96 26.12 26.50 26.63 27.11 27.2 13C-2.3.7.8-TCDF	9 26 27 55 27 59 27 85 28 09 28 F1 Volta 9 25 27.31 27 62 27 79 27 83 28 04 F1 Volta F1 Volta
9.24 19.45 19.73 19.94 9 4-00-01-200522 2001155-021 19.28 19.63 19.76 19.94	20.11 20.32 20 POI-175SC + 00-0 20.11 20.39 ²¹	45 20.8120 1-200522 1 0.63 20.84	86.20.90 1.02 20.99)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	22.94 23 27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 26.38 27.08 27.3 2.3.7.8-TCDF 25.62 422.18 4700 294 23.16 23.36 23.70.23.76 24.06.24.12 24.25 13C-2.3.7.8-TCDF 24.13 24.13 13C-2.3.7.8-TCDF 24.13 25.77 25.42 25.78 25.94 25.99 26.53 27.11 27.2 13C-2.3.7.8-TCDF	9 26 27 55 27 59 27 85 28 09 28 F1 Volta 9 25 27.31 27 62 27 79 27 83 28 04 F1 Volta F1 Volta
9.24 19.45 19.73 19.94 9 A-00-01-200522 2001155-021 19.28 19.63 19.76 19.94	20.11 20.32 20 POI-175SC + 00-0 20.11 20.39 ²¹	45 20.8120 1-200522 1 0.63 20.84	86.20.90 1.02 20.99)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 Tetra Fur 22 46 133.09	22.94 23 27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 26.39 26.53 27.08 27.3 2.37.8-TCDF 25.62 Total Tetra-Furans.24.66.484 41:5903 422 18 4700 2.37.8-TCDF 25.62 24.92 23.16 23.36 23.70 23.76 24.06 24.12 24.25 24.99 25.27 25.53 25.83 25.96 26.12 26.50 26.63 27.11 27.2 13C-2.3.7.8-TCDF	9. 26 27 55 27 59 27 85 28 09 28 F1 Volta 9 25 27.31 27 62 27 79 27 83 28 04 F1 Volta F1 Volta
9.24 19.45 19.73 19.94 9 A-00-01-200522 2001155-021 19.28 19.63 19.76 19.94	20.11 20.32 20 POI-175SC + 00-0 20.11 20.39 ²¹	45 20.8120 1-200522 1 0.63 20.84	86.20.90 1.02 20.99)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 Tetra Fur 22 46 133.09	22.94 23.27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 26.39 26.59 26.83 27.08 27.3 2.37.8-TCDF 25.62 25.62 25.62 27.08 28.08 27.08 28.	9 26 27 55 27 59 27 85 28 09 28 F1 Volta 9 25 27.31 27 62 27 79 27 83 28 04 F1 Volta F1 Volta
9.24 19.45 19.73 19.94 9 A-00-01-200522 2001155-021 19.28 19.63 19.76 19.94	20.11 20.32 20 POI-175SC + 00-0 20.11 20.39 ²¹	45 20.8120 1-200522 1 0.63 20.84	86.20.90 1.02 20.99)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 Tetra Fur 22 46 133.09	22.94 23.27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 26.39 26.59 26.83 27.08 27.3 2.37.8-TCDF 25.62 25.62 25.62 27.08 28.08 27.08 28.	9 26 27 55 27 59 27 85 28 09 28 F1 Volta 9 25 27.31 27 62 27 79 27 83 28 04 F1 Volta F1 Volta
9 4-00-01-200522 2001155-021 19.28 19.63 19.76 19.94 19.76 19.76 19.94 19.76	20.11 20.32 20 POI-175SC + 00-0 20.11 20.39 ²¹	45 20.8120 1-200522 1 0.63 20.84	86.20.90 1.02 20.99)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 Tetra Fur 22 46 133.09	22.94 23.27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 26.39 26.59 26.83 27.08 27.3 2.37.8-TCDF 25.62 25.62 25.62 27.08 28.08 27.08 28.	9. 2627 5527 59 27 85 28 09 28 F1 Volta 9 25-27.31 27 62 27 79 27 83 28 04 F1 Volta 4.
19 24 19 45 19 73 19 94 9 A 00-01-200522 2001155-021 19 28 19 63 19 76 19 94 	20.11 20.32 20. POI-175SC + 00-0 20.11 20.39 21 20.11 20.39 21 POI-175SC + 00-0	45 20 81 20 1-200522 1 	20.99 20.99 1.02)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 Tetra Fur 22 46 133.09	22.94 23 27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 20.38 26.59 26.83 27.08 27.1 2.3.7.8-TCDF 25.62 422 18 4700 294 23 16 23.36 23.70 23.76 24.06 24.12 24.25 24.93 13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF	9. 28 27 55 27 59 27 85 28 09 28 F1 Volta 9
19.24 19.45 19.73 19.94 9 A 00-01-200522 2001155-021 19.28 19.83 19.78 19.94 9 5 	20.11 20.32 20. POI-175SC + 00-0 20.11 20.39 21 20.11 20.39 21 POI-175SC + 00-0	45 20 81 20 1-200522 1 	20.99 20.99 1.02)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 Tetra Fur 22 46 133.09	22.94 23 27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 20.38 28.59 26.83 27.08 27.3 2.37.8-TCDF 25.62 422.18 4700 294 23.16 23.35 23.70 23.76 24.06 24.12 24.25 24.94 24.99 25.27 25.53 25.83 25.96 26.12 26.53 27.11 27.2 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF	9. 2027 55 27 59 27 85 28 09 28 F1 Volta 9 25 27 31 27 62 27 79 27 83 28 04 F1 Volta 4. F1 Volta
19.24 19.45 19.73 19.94 9 A 00-01-200522 2001155-021 19.28 19.83 19.78 19.94 9 	20.11 20.32 20. POI-175SC + 00-0 20.11 20.39 21 20.11 20.39 21 POI-175SC + 00-0	45 20 81 20 1-200522 1 	20.99 20.99 1.02)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 Tetra Fur 22 46 133.09	22.94 23.27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 20.38 28.59 26.83 27.08 27.3 2.37.8-TCDF 25.62 422.18 4700 294 23.16 23.35 23.70 23.76 24.06 24.12 24.25 24.94 24.99 25.27 25.53 25.83 25.96 26.12 26.53 27.11 27.2 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF	9. 2627 5527 59 27 85 28 09 28 F1 Volta 9 25-27.31 27 62 27 79 27 83 28 04 F1 Volta 4.
1924 19.45 19.73 19.94 9 A 00-01-200522 2001155-021 1928 19.63 19.76 19.94 1928 2001155-021 9 9 9 9 9 9 9 9 9 9 9 9 9	20.11 20.32 20. POI-175SC + 00-0 20.11 20.39 21 20.11 20.39 21 POI-175SC + 00-0	45 20 81 20 1-200522 1 	20.99 20.99 1.02)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 Tetra Fur 22 46 133.09	22.94 23 27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 26.38 27.08 27.3 2.3.7.8-TCDF 25.62 422.18 4700 294 23.16 23.36 23.70.23.76 24.06.24.12 24.25 24.93 24.99 25.27 25.53 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF	9. 2027 55 27 59 27 85 28 09 28 F1 Volta 9 25 27 31 27 62 27 79 27 83 28 04 F1 Volta 4. F1 Volta
19.24 19.45 19.73 19.94 9 A 00-01-200522 2001155-021 19.28 19.83 19.78 19.94 9 5 	20.11 20.32 20. POI-175SC + 00-0 20.11 20.39 21 20.11 20.39 21 POI-175SC + 00-0	45 20 81 20 1-200522 1 	20.99 20.99 1.02)	21.47 124.82 1581 21.48 139.41	21 		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 Tetra Fur 22 46 133.09	22.94 23.27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 20.38 28.59 26.83 27.08 27.3 2.37.8-TCDF 25.62 422.18 4700 294 23.16 23.35 23.70 23.76 24.06 24.12 24.25 24.94 24.99 25.27 25.53 25.83 25.96 26.12 26.53 27.11 27.2 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF	9. 2027 55 27 59 27 85 28 09 28 F1 Volta 9 25 27 31 27 62 27 79 27 83 28 04 F1 Volta 4. F1 Volta
19 24 19 45 19 73 19 94 9 A 00-01-200522 2001155-021 19 28 19 63 19 76 19 94 9 A 00-01-200522 2001155-021 9 A 00-01-200522 2001155-021	20.11 20.32 20. POI-175SC + 00-0 20.11 20.39 ²¹ POI-175SC + 00-0 POI-175SC + 00-0	45 20 81 20 1-200522 1 1-200522 1 1-200522 1 1-200522 1 1-200522 1	8520 99 20 99 20 99 102 102 1.02) 	2147 12482 1581 1581 21482 2148 13941 13941	21 urans 21.	.71 21 95	2 10 1 22.34 Total 1	22 41 03 56 948 22 46 133 09 1347	22.94 23.27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 20.38 26.59 26.83 27.08 27.1 2.3.7.8-TCDF 25.62 422.18 4700 294 23.16 23.36 23.70.23.76 24.06.24.12 24.25 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 24.13 13C-2.3.7.8-TCDF 25.57 25.53 25.96 26.12 26.50 26.53 27.11 27.2 13C-2.3.7.8-TCDF 25.57 25.57 25.53 25.97	9. 2027 55 27 59 27 85 28 09 28 F1 Volta, 9 25,27,31 27 6227 79,27 83 28 04 F1 Volta, 4. F1 Volta, 5.
19 24 19 45 19 73 19 94 9 + 00-01-200522 2001155-021 19 28 19 63 19 76 19 94 9 + 00-01-200522 2001155-021 9 + 00-01-200522 2001155-021 9 + 00-01-200522 2001155-021 9 + 00-01-200522 2001155-021	20.11 20.32 20. POI-175SC + 00-0 20.11 20.39 20 POI-175SC + 00-0 POI-175SC + 00-0 POI-175SC + 00-0 POI-175SC + 00-0	45 20 81 20 1-200522 1 1-200522 1 1-200522 1 1-200522 1 1-200522 1	20.99 20.99 1.02) 	21.47 124.82 1581 21.48 139.41	21 urans 21.		2 10 1 22.34 Total 1	2.41 03 56 1948 A 22 7 Tetra Fur 22 46 133.09	22.94 23 27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 20.38 28.59 26.83 27.08 27.3 2.37.8-TCDF 25.62 25.63 25.83 25.96 26.12 26.50 26.53 27.11 27.2 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 25.95 25.95 25.83 25.95 26.00 26.50 26.50 27.00	9. 2027 55 27 59 27 85 28 09 28 F1 Volta 9 25 27 31 27 62 27 79 27 83 28 04 F1 Volta 4. F1 Volta 5. 27 50 28 00
9 	20.11 20.32 20. POI-175SC + 00-0 20.11 20.39 20 POI-175SC + 00-0 POI-175SC + 00-0 POI-175SC + 00-0 POI-175SC + 00-0	45 20 81 20 1-200522 1 1-200522 1 1-200522 1 1-200522 1 1-200522 1	8520 99 20 99 20 99 102 102 1.02) 	2147 12482 1581 1581 21482 2148 13941 13941	21 urans 21.	.71 21 95	2 10 1 22.34 Total 1	22 41 03 56 948 22 46 133 09 1347	22.94 23 27 23.37 23.74 23.91 24.01 24.21 24.57 24.82 24.99 25.17 25.42 25.78 25.94 25.99 26.23 20.38 28.59 26.83 27.08 27.3 2.37.8-TCDF 25.62 25.63 25.83 25.96 26.12 26.50 26.53 27.11 27.2 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 13C-2.3.7,8-TCDF 24.13 25.95 25.95 25.83 25.95 26.00 26.50 26.50 27.00	9. 2027 55 27 59 27 85 28 09 28 F1 Volta, 9 25,27,31 27 6227 79,27 83 28 04 F1 Volta, 4. F1 Volta, 5.

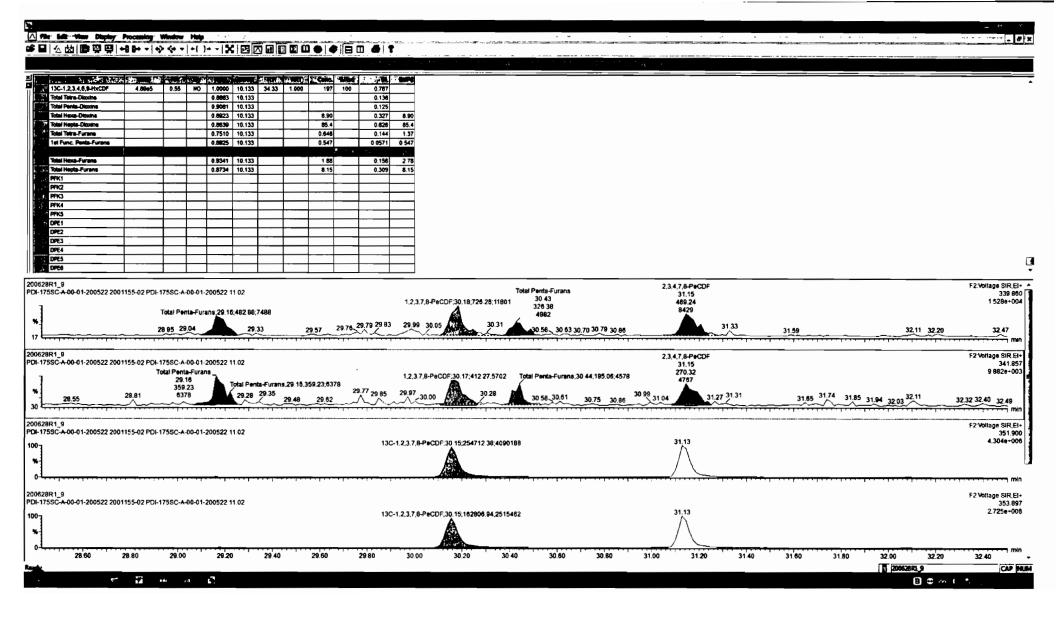
Quantify Sam Vista Analytica		Page 99 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	



Quantify San /ista Analytica		MassLynx 4.1	SCN815							Page 100 of 18
)ataset:	Untitled									
ast Altered: rinted:	Monday, June 29 Monday, June 29									
ame: 20062 2,3,7,8-PeC	8R1_9, Date: 28-J	un-2020, Time:	: 16:35:04, ID:	2001155-02 PDI	-175SC-A-00-0	1-200522 11.02, De	escription:	PDI-1758C-A-(0-01-200522	
2,3,7,6-F6C 00628R1_9		ns;29.16;4.83e2;74 29.33		2,3,7,8-PeCDF;30.18	1	2,3,4,7,8-PeCDF; 3_30.78	31.15;6.29e2;	8584 <u>31.59</u>	SN 32.11	F2:Voltage SIR,EI 339.86 1.528e+00 32.20 32.47 mi
0628R1_9	Total Penta-Fural 28.81 29.02	ns;29.16;3.59e2;63 29.28 ^{29.35} 2		2,3,7,8-PeCDF;30.17; 29.97	٨	2,3,4,7,8-PeCDF; 30.75 30.99 31.04	31.15;3.20e2;	4616 31.65 31.74	31.85 32.11	F2:Voltage SIR,EI 341.85 9.882e+00
0 1 ,,,,,,, 28.50	28.75 29.00	29.25 29	50 29.75	30.00 30.2	5 30.50	30.75 31.00	31.25	31.50 31.75	5 32.00	32.25 32.50
3C-1,2,3,7,8 00628R1_9 00⊣	-PeCDF			,3,7,8-PeCDF 30.15 2.55e5		13C-2,3,4,7,8-PeCDF_ 31.13 2.48e5	Λ			F2:Voltage SIR,El 351.90 4.304e+00

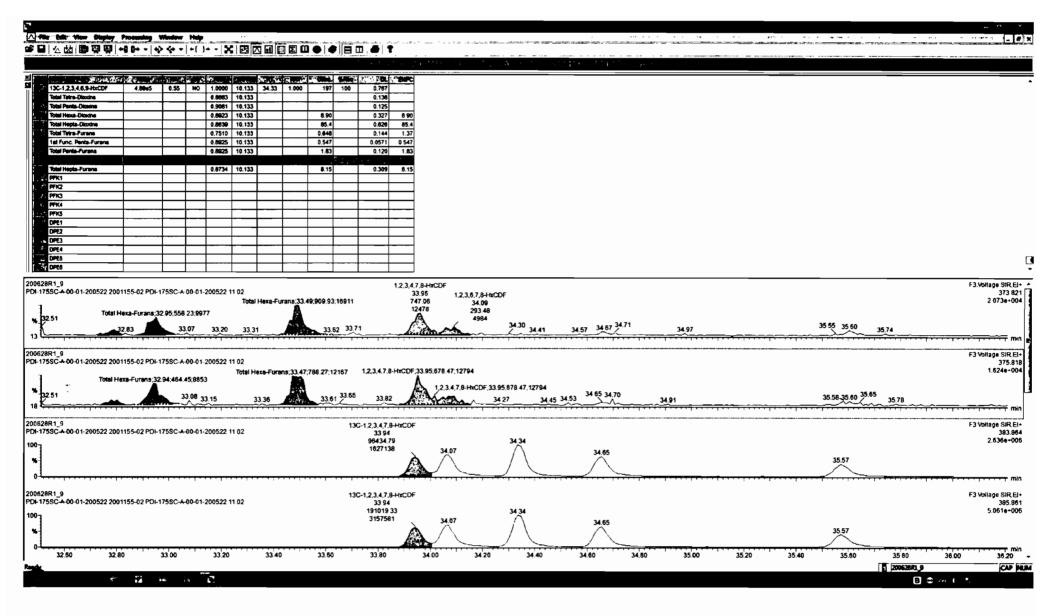
200628R1_9															F2:Volta	ige SIR,EI+
100 ₋₇						3,7,8-PeCDI	=			7,8-PeCDF_ .13	7					353.897 2.725e+006
%						0.15 63e5	\wedge			3e5	/ \					
						15462			2684	164 4 /						
0																min r
28.50	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.50



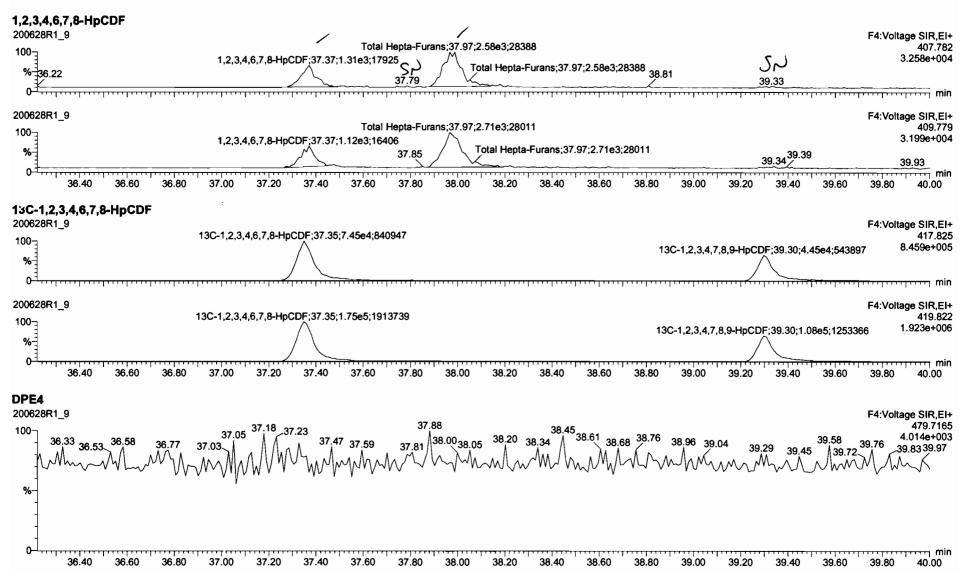


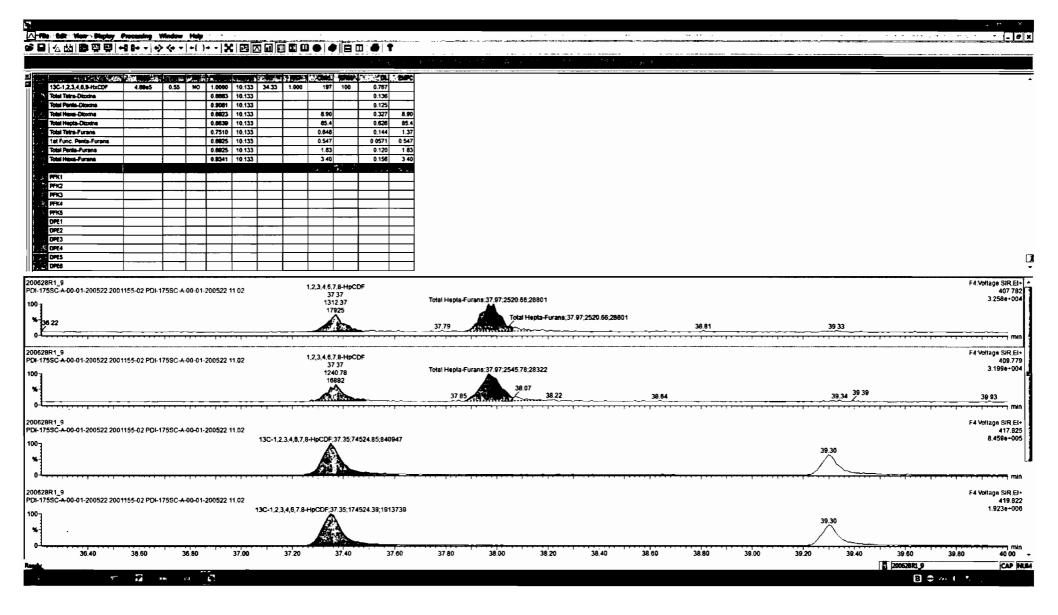
Quantify Sam Vista Analytica					Page 101 of 18
Dataset:	Untitled				
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time				
lame: 20062	8R1_9, Date: 28-Jun-2020, Time: 16:35:04, ID: 20011	55-02 PDI-175SC-A-00-01-20	0522 11.02, Des	cription: PDI-175SC-A-0	0-01-200522
,2,3,4,7,8-Hx 200628R1_9	CDF Total Hexa-Furans;33.49;9.85e2;17185 Hexa-Furans;32.95;5.58e2;997 7 32.79 33.07 33.20 33.71	1,2,3,4,7,8-HxCDF;33.96;6.47e2 34,09 34,20 34.30_34.35	2;11809 S J 34.67	34.97 SN	F3:Voltage SIR,E 373.82 S → 2.073e+00 35 <u>.</u> 60 35.74
0-1					
200628R1_9 100 %-32.51	Total Hexa-Furans;33.47;7.88e2;12167 1,2,3,4,7,8-HxCl 32.80 33.08 33.15 33.36 33.61 33.82	DF;33.95;6.30e2;12476 1,2,3,4,7,8-HxCDF;33.95;6.30	0e2;12476	~	F3:Voltage SIR,E 375.81 1.624e+00 35.60_35.65
0 ¹ 32.60	32.80 33.00 33.20 33.40 33.60 33.80	34.00 34.20 34.40	34.60 34.80	35.00 35.20 35.	40 35.60 35.80 36.00
3C-1,2,3,4,7, 00628R1_9	8-HxCDF	13C-1,2,3,4,6,9-HxCDF;34,34;1.74	4e5:2619409		F3:Voltage SIR,E 383.86
100				13C-1,2,3,7,8	2.636e+00 ,9-HxCDF;35.57;8.34e4;1043563
200628R1_9		13C-1.2.3.4.6.9-HxCDF;34.34;3.14	4e5:4940297		m F3:Voltage SIR,E 385.86
100- %		$\wedge \wedge \wedge$	\wedge	13C-1,2,3,7,8	5.061e+00 ,9-HxCDF;35.57;1.72e5;1972706
0 -1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	32.80 33.00 33.20 33.40 33.60 33.80	34.00 34.20 34.40	34.60 34.80	35.00 35.20 35.	40 35.60 35.80 36.00
DPE3 200628R1_9 100 ₇	32.77 32.84 33.19				F3:Voltage SIR,E 445.755 4.551e+00
32.57 32.61	33.37 33.44	88 34.06 ^{34.18} 34.29 34.32 34	9.44 34.67 34.8	5 ^{34.90} 35.12 35.27	35.49 35.55 35.58 35.77 35.92 35.98

0-34.00 34.20 34.40 34.80 35.00 35.20 35.40 35.60 32.60 33.00 33.40 33.60 33.80 34.60 33.20 32.80



Quantify Sam Vista Analytica		Page 102 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	





Quantify Sam Vista Analytica		Page 103 of 18
Dataset:	Untitled	
∟ast Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	
Name: 20062	R1_9, Date: 28-Jun-2020, Time: 16:35:04, ID: 2001155-02 PDI-175SC-A-00-01-200522 11.02, Description: PDI-175SC-A-00-01-200522	
DCDF 200628R1_9 100	OCDF;41.95;2.85e3;31456 42.18 42.32 42.60	F5:Voltage SIR,EI 441.74 3.553e+00
0 ¹ 200628R1_9 100 40.16	OCDF;41.95;3.27e3;37851 41.16 41.16	F5:Voltage SIR,EI 443.74 4.147e+00
40.2		44.75 45.00
3C-OCDF 200628R1_9	13C-OCDF;41.94;1.91e5;1954191	F5:Voltage SIR,EI 453.783 1.960e+00
0 ¹	13C-OCDF;41.93;2.19e5;2144831	F5:Voltage SIR,El 455.78 2.155e+00
0 ¹	40.50 40.75 41.00 41.25 41.50 41.75 42.00 42.25 42.50 42.75 43.00 43.25 43.50 43.75 44.00 44.25 44.50	44.75 45.00
DPE5 200628R1_9 100 40.11 40.1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	F5:Voltage SIR,El 513.677 3.910e+00 44.84

44.75 45.00 0-40.25 40.50 42.75 43.25 41.75 42.00 42.25 42.50 43.00 43.50 43.75 44.00 44.25 44.50 41.00 41.50 40.75 41.25

	e - Brit - View - Display	Proceeding	Window	Hale						- (· · · · · ·				·· ····	- # ×
a 🖬	12 H B Q Q I	+8 8+ - +	> <+ •	+{ }	+ - 5	¢ छ।		1 🖸			6 T																	
		in haarding of the second section of the second				n fre nær se m. 10 [°] sk	AT LACABLE LACE TIME			2°			11.1		A -				ές το Γες το				Contract and contract of a large			and the second sec		
z	and the second second	riller								A PROPERTY	S.T. BLS							_				_		_	_	_		_
ž.	2,3,7,8-TCD0	i i i i constante de la consta	se tal ef	NO	0.0003	10.133					0.206																	6
	1,2,3,7,8-PeCDD					10.133					0.277																	
	1,2,3,4,7,8-HxC00	6.1262	1,41		1.0334		34.93	1.003	0.552			0.552																
	1,2,3,6,7,8-HxC00				0.8923						0.267																	
	1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8-HpCDD	3.00+4	0.92			10.133	38.77	1 4 4 4 4	32.7		0.357	32.7																
	1,2,3,4,6,7,8-HpCUU 0C0D	2.09e5	0.92		0.9136				257		1.84	257																
	2,3,7,8-TCDF	8.07e2	0.69		0.7510			1 001	0.528			0 528																
	1.2.3,7,8-PeCDF	1.19e3	2.05					1.001	0.631	_		0 528																
1	2.3.4.7.8-Pecor	9.4942	1.96		0.8348		31.15		0.500			0.431																
	1,2,3,4,7,8-HbcOF	1.28e3	1.03		9.8845		33.96	1.001	0.991			0.907																
	1,2,3,6,7,8-HxCOF		<u> </u>			10.133			\rightarrow		0.143																	
	2.3,4,6,7,8-HxCDF 1.2,3,7,8,9-HxCDF				0.9341						0.144																	
	1,2,3,4,6,7,8-HpCDF	2.43e3	1.18					1.001	2.20			2.20																
	1.2.3.4.7.8.8-HeCDF		1			10.133		1			0.336																	
									المريد	1.1	يەقىرى ب	Sec. 2																
	13C-2,3,7,8-TCDD	3.3465	0.78				26 47			53 1	0.335																	
ļ	13C-1,2,3,7,8-PeCDD	3.1365	0.66				31.43			67.6	0.485																	
	13C-1.2,3,4,7,8-HxCDD 13C-1.2,3,6,7,8-HxCDD	2.1205	1.27				34.83 34.92			55.6 62.7	0.861																	_
11 1	130-1.2,3,0,7,8-10000	3.1103	1.20	-	1.0101	10.135	271.02	1.417	144	W2.1	0.000																	•
	8R1_9																										F5.Volta	ige SIR.EI+
PDI-17	75SC-A-00-01-200522 20	01155-02 PDI-	175SC-A	-00-01-	200522	11 02																						441.743 553e+004
100 7											OCDF	-,41.95;2	625.09;31	380													5	
												- A	a															
*												A.		42 18	42 32	42.60												
o-t															,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·····						·····		,,,,,,,,,,,,		·····		min
<u> </u>						-					_																	0.0.5
20062 PDI-17	8R1_9 /5SC-A-00-01-200522 20	1155.02 POL	17550-4	-00-01-	200522	11 02																					FD.VOHA	ige SIR,EI+ 443.740
											OCDF	F;41.95,3	270 10,38	017													4	147e+004
100													A															
x												A A	OCD OCD	F.41 95.327	0.10;38017													
	40.16		_			_	41.18							·^				42.99		43.35							_	
] "~									.,,														,					min ÷
20062	8R1_9																										F5/Volta	ge SIR,EI+
PDH17	59C-A-00-01-200522 20	01155-02 POF	175SC-A	-00-01	200522	11.02					-																	453 7831
100 -											13C-OCDF;	;41.94,1	90731.53:1	954191														.960e+008
												A	5															
*												44																
ᆘᄮ								,		• • • • • • • • •			1.110		+++++++++++++++++++++++++++++++++++++++	,		· · · · · · · · · · · · ·			• • • • • • • • • • • • • • • • • • •			, , , , , , , , , , , , , , , , , , , 	· , , 			min .
20062	8R1_9 /5SC-A-00-01-200522 20	1155 00 001	47500 4	00.01	200522	11 02																					F5.Volta	455 780
	55C-A-00-01-200522 20	11155-02 PDF	1/580-4	-00-01-	200522	11.02					IC-OCDF:	41 03:21	8666 38-2	144831													2	155e+006
1003												A	A															
												R																
~																												
0-4	40.20 40	40 40.	6 0	40.80		1.00	41.20		41.40	41,60	41.8	0	42.00	42,20	42.40	42.60	42.80	43.00	43.20	43.40	43.60	43.80	44.00	44.20	44,40	44,60	44.80	45.00
<u>ا</u>	40.20 40	40.		40.80			-1.20		- 1.40	41.00	-1.00	•	-2.00	42.20	-20	42.00	42.00	40.00	40.20	40.40	40.00	-0.00	44.00	44.20	200628			CAP NUM
Reger				-					_						_	_			_				_	_				COL MON
	e ⁱⁿ	*		r1																						B 🗢 🚈 (

Quantify Sam /ista Analytica		MassLynx 4.1	SCN815											Page 1	04 of 18
ataset:	Untitled														
ast Altered: rrinted:		29, 2020 06:52:07 29, 2020 06:58:35													
								4 00 D-							
lame: 200628 PrK1	3R1_9, Date: 28-	Jun-2020, Time:	16:35:04, ID: 2	2001155-02 PI	DI-1/38C-P	4-00-01-2	200522 1	1.02, De	scription	i: PDI-17	33C-A-U	0-01-200	U522		
00628R1_9														F1:Volta	ge SIR,E
100 19.4 %	8 19.81 20.20 20.2	29 20.65 21.27	21.78 22.32 2	2.44 22.80 23.1	0 23.48 23.7	76 24.06	24.55	25.18.25	29 25.65	26.23.26	.51_26.60	27.07	27.52 2	7.61	316.982 - 5686 +00
0 ⁻¹	0 20.00 20.	50 21.00 21.	50 22.00	22.50 23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00	m
FK2 00628R1_9														F2:Volta	ge SIR,E
_	9e4;635077 29.18;	9.69e4;547822 29.41	;1.89e4;463202	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	30.43;9.01e3;1	121867		31.2	28;5.74e4;3	07839	\sim	32.09;	2.84e4;26	3595	366.97
% <u>28.43</u>								~~~~	<u> </u>		<u> </u>				.4026+00
0- ⁻¹ 28.50	28.75 29.00	29.25 29.	50 29.75	30.00 30	0.25 30.	.50 3	0.75	31.00	31.25	31.50	31.75	5 32.	00 3	32.25	32.50
FK3														E2.\/alta	
00628R1_9	.87;1.26e6;3353944	33.	13	33.91	34.21	34.41	34.57		34.95	35	.22 35.7	1;1.40e5;1	046531		ge SIR,E 380.976
%							~~~~~								7.9 42e +00
0	-														
32.60	32.80 33.00	33.20 33.40	33.60	33.80 34.00	34.20	34.40	34.60	34.80) 35.0	0 35.2	20 35	5.40 3	5.60	35.80	36.00
PFK4 00628R1_9				27.0	1;1.11e5;7568	902								F4:Volta	ge SIR,E
100 ₃	36.88;7.90e5;7836	83 37.05 37.17	37.45;1.38e5;1103	3612 57.0		38.29	38.	52 38.	73	39.03	39.44;	4.47e5;178	80265	39.78 6	430.972 6.816e+00
%															
0 [±] ,			····		28.00	29.20	29.40	29.60	38.80	20.00		20.40	20.60		m 40.00
36.40	36.60 36.8	0 37.00 37.2	0 37.40 3	7.60 37.80	38.00	38.20	38.40	38.60	30.00	39.00	39.20	39.40	39.60	39.80	40.00
00628R1_9														F5:Volta	ige SIR,E
100-3 40.58;1.22	2e5;879167	41.07;1.73 <u>e</u> 4;356429	41.47 41.65	41.93 42.10	42.5			0e5;983490	, 43.41	43.73		44.21 <u>a</u>	4.42	3	454.972 3.943e+00
% 40.01			41.47 41.05				w.			43.73	^				
0		<u></u>	, , , , , , , , , , , , , , , , , , , ,	_{[1}								-• •			
40.2	5 40.50 40.75	41.00 41.25	41.50 41.7	5 42.00 4	2.25 42.5	0 42.75	43.00	43.25	43.50	43.75	44.00	44.25	44.50	44.75	45.00

Quantify San Vista Analytica	aple Summary Report al Laboratory	MassLynx 4.1 SCN815	
Dataset:	U:\VG12.PRO\Results\20	00628R1\200628R1-10.qld	
Last Altered: Printed:		:48:01 PM Pacific Daylight Time :00:18 PM Pacific Daylight Time	

GPB 07/06/2020

Method: Untitled 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200628R1_10, Date: 28-Jun-2020, Time: 17:21:16, ID: 2001155-03 PDI-175SC-A-01-02-200522 11.03, Description: PDI-175SC-A-01-02-200522

	Rep	RA	- hy - '	RRF	W/VOI	Tred RT			Sec. interested	The succession of the second	K		and a start and a start
1 2,3,7,8-TCDD		, -	NO	0.888	10.017	26.501		1.001				0.146	
2 1,2,3,7,8-PeCDD			NO	0.908	10.017	31.473		1.001				0.155	
3 1,2,3,4,7,8-HxCDD			NO	1.03	10.017	34.835		1.000				0.198	ļ
4 1,2,3,6,7,8-HxCDD	7.84e2	1.26	NO	0.892	10.017	34.932	34.94	1.000	1.000	0.45197		0.197	0.452
5 1,2,3,7,8,9-HxCDD			NO	0.887	10.017	35.230		1.000				0.241	
6 1,2,3,4,6,7,8-HpCDD	1.68e4	0.94	NO	0.864	10.017	38.767	38.78	1.000	1.001	16.590		0.490	16.6
7 OCDD	1.19e5	0.83	NO	0.914	10.017	41.759	41.77	1.000	1.000	142.40		1.13	142
8 2,3,7,8-TCDF	8.45e2	0.76	NO	0.751	10.017	25.596	25.60	1.001	1.001	0.44843		0.120	0.448
9 1,2,3,7,8-PeCDF	3.33e3	1.75	NO	0.893	10.017	30.175	30.17	1.001	1.000	1.3286		0.127	1.33
10 2,3,4,7,8-PeCDF	1.20e3	1.40	NO	0.935	10.017	31.154	31.16	1.000	1.000	0.47363		0.113	0.474
11 1,2,3,4,7,8-HxCDF	2.61e4	1.22	NO	0.884	10.017	33.952	33.96	1.000	1.000	16.363		0.262	16.4
12 1,2,3,6,7,8-HxCDF	1.14e4	1.20	NO	0.889	10.017	34.079	34.08	1.000	1.000	5.8385		0.233	5.84
13 2,3,4,6,7,8-HxCDF	1.59e3	1.19	NO	0.934	10.017	34.700	34.68	1.001	1.000	0.87356		0.271	0.874
14 1,2,3,7,8,9-HxCDF	6.58e2	1.19	NO	0.871	10.017	35.571	35.61	1.000	1.001	0.49648		0.450	0.496
15 1,2,3,4,6,7,8-HpCDF	1.50e4	1.03	NO	0.873	10.017	37.386	37.37	1.001	1.001	12.082		0.323	12.1
16 1,2,3,4,7,8,9-HpCDF	2.36e3	0.96	NO	1.01	10.017	39.298	39.31	1.000	1.000	2.5943		0.402	2.59
17 OCDF	8.47e3	0.82	NO	0.806	10.017	41.950	41.96	1.000	1.000	9.7064		0.447	9.71
18 13C-2,3,7,8-TCDD	4.52e5	0.80	NO	1.16	10.017	26.491	26.47	1.026	1.026	146.50	73.4	0.357	
19 13C-1,2,3,7,8-PeCDD	4.10e5	0.66	NO	0.849	10.017	31.674	31.45	1.227	1.219	180.86	90.6	0.458	
20 13C-1,2,3,4,7,8-HxCDD	2.74e5	1.27	NO	0.779	10.017	34.830	34.83	1.014	1.014	147.78	74.0	0.732	
21 13C-1,2,3,6,7,8-HxCDD	3.88e5	1.27	NO	1.02	10.017	34.944	34.93	1.017	1.017	160.50	80.4	0.561	
22 13C-1,2,3,7,8,9-HxCDD	3.52e5	1.28	NO	0.903	10.017	35.215	35.22	1.025	1.025	163.85	82.1	0.632	
23 13C-1,2,3,4,6,7,8-HpCDD	2.34e5	1.08	NO	0.689	10.017	38.739	38.76	1.128	1.128	142.72	71.5	0.544	
24 13C-OCDD	3.64e5	0.86	NO	0.652	10.017	41.761	41.76	1.216	1.216	234.62	58.8	1.19	
25 13C-2,3,7,8-TCDF	5.01e5	0.78	NO	1.06	10.017	25.534	25.57	0.989	0.991	118.51	59.4	0.496	
26 13C-1,2,3,7,8-PeCDF	5.60e5	1.60	NO	0.838	10.017	30.058	30.15	1.165	1.168	167.41	83.8	0.981	
27 13C-2,3,4,7,8-PeCDF	5.41e5	1.59	NO	0.817	10.017	31.011	31.15	1.202	1.207	166.09	83.2	1.01	
28 13C-1,2,3,4,7,8-HxCDF	3.60e5	0.51	NO	1.01	10.017	33.961	33.95	0.989	0.988	150.28	75.3	0.967	
29 13C-1,2,3,6,7,8-HxCDF	4.40e5	0.51	NO	1.17	10.017	34.085	34.07	0.992	0.992	158.47	79.4	0.835	
30 13C-2,3,4,6,7,8-HxCDF	3.90e5	0.52	NO	1.02	10.017	34.659	34.67	1.009	1.009	160.38	80.3	0.954	
31 13C-1,2,3,7,8,9-HxCDF	3.04e5	0.50	NO	0.860	10.017	35.558	35.57	1.035	1.036	148.69	74.5	1.13	

Page 1 of 2

Quantify Sam Vista Analytica	ple Summary Report Laboratory	MassLynx 4.1 SCN815
Dataset:	U:\VG12.PRO\Results\2006	28R1\200628R1-10.qld
Last Altered: Printed:		01 PM Pacific Daylight Time 18 PM Pacific Daylight Time

				т.	ARRE			2		a shirt as a		in the state	na.	ng Berling ang ting ang
	32 13C-1,2,3,4,6,7,8-HpCDF	2.83e5	0.42	NO	0.774	10.017	37.307	37.35	1.086	1.087	153.65	77.0	0.924	
	33 13C-1,2,3,4,7,8,9-HpCDF	1.79e5	0.42	NO	0.521	10.017	39.336	39.30	1.145	1.144	144.51	72.4	1.37	
	34 13C-OCDF	4.32e5	0.87	NO	0.746	10.017	41.933	41.95	1.221	1.221	243.59	61.0	0.749	
	35 37CI-2,3,7,8-TCDD	1.70e5			1.04	10.017	26.522	26.50	1.028	1.027	61.266	76.7	0.127	
the second second	36 13C-1,2,3,4-TCDD	5.33e5	0.78	NO	1.00	10.017	25.890	25.81	1.000	1.000	199.67	100	0.412	
	37 13C-1,2,3,4-TCDF	7.97e5	0.79	NO	1.00	10.017	24.360	24.12	1.000	1.000	199.67	100	0.526	
	38 13C-1,2,3,4,6,9-HxCDF	4.75e5	0.51	NO	1.00	10.017	34.420	34.35	1.000	1.000	199.67	100	0.974	
	39 Total Tetra-Dioxins				0.888	10.017	24.620		0.000				0.0887	
	40 Total Penta-Dioxins				0.908	10.017	29.960		0.000				0.0732	
	41 Total Hexa-Dioxins				0.892	10.017	33.635		0.000		4.2978		0.221	4.30
	42 Total Hepta-Dioxins				0.864	10.017	37.640		0.000		38.999		0.490	39.0
	43 Total Tetra-Furans				0.751	10.017	23.610		0.000		1.4623		0.120	1.46
	44 1st Func. Penta-Furans				0.893	10.017	27.580		0.000		0.95916		0.0414	0.959
1. 19 M	45 Total Penta-Furans				0.893	10.017	29.275		0.000		3.2334		0.123	3.23
	46 Total Hexa-Furans				0.934	10.017	33.555		0.000		27.360		0.281	27.4
	47 Total Hepta-Furans				0.873	10.017	37.835		0.000		20.175		0.378	20.2

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-10.qld

Last Altered: Monday, July 06, 2020 2:48:01 PM Pacific Daylight Time Printed: Monday, July 06, 2020 3:00:18 PM Pacific Daylight Time

Method: Untitled 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200628R1_10, Date: 28-Jun-2020, Time: 17:21:16, ID: 2001155-03 PDI-175SC-A-01-02-200522 11.03, Description: PDI-175SC-A-01-02-200522

Tetra-Dioxins

mines to a second se

Penta-Dioxins

mit Height m2 Height m2 Resp m2 Resp RA my Resp

Hexa-Dioxins

Total Hexa-Dioxins Total Hexa-Dioxins 1,2,3,6,7,8-HxCDD		HOUR	fit Height	mi Fiest	m2 tot			Tr. Sector Sala			
Total Hexa-Dioxins	33.33	2.946e4	2.492e4	1.568e3	1.440e3	1.09	NO	3.008e3	1.9926	1.9930	0.221
Total Hexa-Dioxins	34.15	2.152e4	1.624e4	1.594e3	1.204e3	1.33	NO	2.798e3	1.8532	1.8530	0.221
1,2,3,6,7,8-HxCDD	34.94	5.571e3	4.009e3	4.374e2	3.463e2	1.26	NO	7.837e2	0.45197	0.45200	0.197

Hepta-Dioxins

Total Hepta-Dioxins 1,2,3,4,6,7,8-HpCDD				m Reep	nia Real			an Sirin an a		Contraction in	an a star
Total Hepta-Dioxins	37.76	1.189e5	1.262e5	1.1 64e 4	1.104e4	1.05	NO	2.268e4	22.410	22.410	0.490
1,2,3,4,6,7,8-HpCDD	38.78	9.827e4	9.475e4	8.155e3	8.632e3	0.94	NO	1.679e4	16.590	16.590	0.490

Tetra-Furans

Total Tetra-Furans		NI Height	#2 Height	mrt Resp	m2 Resp	RAS		al Ali and the state	1		1993 (A. 1997) 1993 (A. 1997) 1994 (A. 1997)
Total Tetra-Furans	21.47	1.985e3	3.022e3	2.116e2	2.763e2	0.77	NO	4.880e2	0.25899	0.25900	0.120
Total Tetra-Furans	22.44	2.739e3	4.464e3	2.047e2	2.935e2	0.70	NO	4.983e2	0.26446	0.26400	0.120
Total Tetra-Furans	24.66	4.650e3	6.491e3	4.145e2	5.096e2	0.81	NO	9.240e2	0.49041	0.49000	0.120
Total Tetra-Furans Total Tetra-Furans 2,3,7,8-TCDF	25.60	5.866e3	6.401e3	3.642e2	4.807e2	0.76	NO	8.449e2	0.44843	0.44800	0.120

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-10.qld

Last Altered:	Monday, July 06, 2020 2:48:01 PM Pacific Daylight Time
Printed:	Monday, July 06, 2020 3:00:18 PM Pacific Daylight Time

Name: 200628R1_10, Date: 28-Jun-2020, Time: 17:21:16, ID: 2001155-03 PDI-175SC-A-01-02-200522 11.03, Description: PDI-175SC-A-01-02-200522

Penta-Furans function 1

		Hereit	The second				. A2	een operationen Verstaanse statue van d	a de secondo	Commentary	
1st Func. Penta-Furans	27.59	2.363e4	1.561e4	1.366e3	9.954e2	1.37	NO	2.361e3	0.95916	0.95900	0.0414

Penta-Furans

		ni Heigh	M2 Helph	m1 Resp	ma Resp			P. F	a state a	den specific A	A.A.S. to
Total Penta-Furans	29.19	1.689e4	1.332e4	1.163e3	8.163e2	1.42	NO	1.979e3	0.80399	0.80400	0.123
Total Penta-Furans	29.76	3.824e3	4.407e3	3.095e2	2.323e2	1.33	NO	5.418e2	0.22008	0.22000	0.123
1,2,3,7,8-PeCDF	30.17	3.460e4	2.187e4	2.118e3	1.208e3	1.75	NO	3.326e3	1.3286	1.3290	0.127
Total Penta-Furans	30.44	7.269e3	4.739e3	4.118e2	2.950e2	1.40	NO	7.068e2	0.28711	0.28700	0.123
2,3,4,7,8-PeCDF	31.16	1.482e4	1.339e4	6.999e2	5.005e2	1.40	NO	1.200e3	0.47363	0.47400	0.113
Total Penta-Furans	31.19	7.082e3	6.522e3	1.741e2	1.214e2	1.43	NO	2.955e2	0.12005	0.12000	0.123

Hexa-Furans

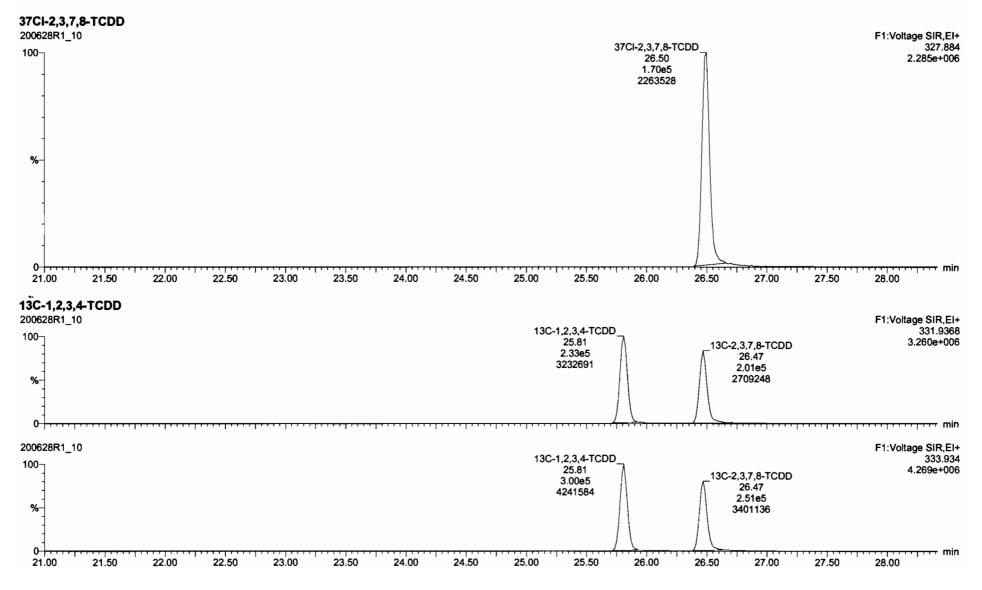
			AT Height	m2 Height	mil Rep.	m2.Resp.	154					
T 🕅 🖓 🖓 T	otal Hexa-Furans	32.79	9.491e3	5.829e3	3.753e2	3.174e2	1.18	NO	6.927e2	0.39661	0.39700	0.281
Т	otal Hexa-Furans	32.95	3.013e4	2.454e4	1.667e3	1.267e3	1.32	NO	2.934e3	1.6797	1.6800	0.281
Т	otal Hexa-Furans	33.49	2.879e4	1.957e4	1.382e3	1.080e3	1.28	NO	2.462e3	1.4095	1.4090	0.281
1	,2,3,4,7,8-HxCDF	33.96	2.408e5	2.052e5	1.432e4	1.178e4	1.22	NO	2.610e4	16.363	16.363	0.262
1	,2,3,6,7,8-HxCDF	34.08	8.604e4	7.718e4	6.240e3	5.194e3	1.20	NO	1.143e4	5.8385	5.8390	0.233
2	,3,4,6,7,8-HxCDF	34.68	1.253e4	1.121e4	8.654e2	7.272e2	1.19	NO	1.593e3	0.87356	0.87400	0.271
1	,2,3,7,8, 9-H xCDF	35.61	8.301e3	6.294e3	3.574e2	3.006e2	1.19	NO	6.579e2	0.49648	0.49600	0.450
T	otal Hexa-Furans	35.63	9.650e3	5.752e3	3.053e2	2.226e2	1.37	NO	5.279e2	0.30225	0.30200	0.281

Hepta-Furans

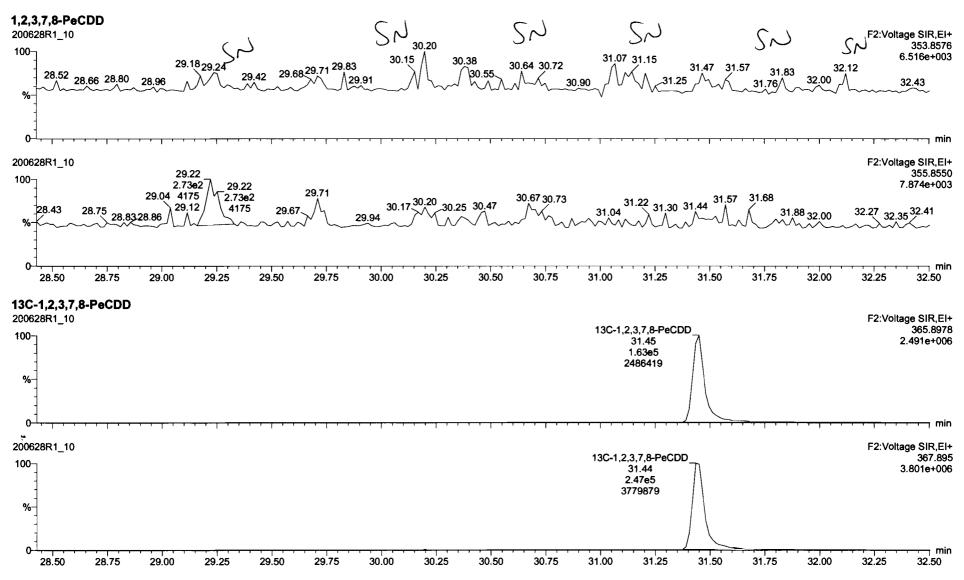
1,2,3,4,6,7,8-HpCDF total Hepta-Furans 1,2,3,4,7,8,9-HpCDF		nit Height	m2 fillight	mi Reep	In 2 Rept			a line of the	and the second	. Antipelie	1. S. S.
1,2,3,4,6,7,8-HpCDF	37.37	8.624e4	9.237e4	7.58 9e 3	7.365e3	1.03	NO	1.49 5e 4	12.082	12.082	0.323
Total Hepta-Furans	37.97	2.950e4	3.132e4	2.670e3	2.887e3	0.93	NO	5.557e3	5.4994	5.4990	0.378
1,2,3,4,7,8,9-HpCDF	39.31	1.825e4	1.451e4	1.152e3	1.204e3	0.96	NO	2.356e3	2.5943	2.5940	0.402

-	n ple Report al Laboratory	MassLynx 4.1 SCI	N815				Page 105 of 1
ataset:	Untitled						
ast Altered: rinted:		29, 2020 06:52:07 Pa 29, 2020 06:58:35 Pa					
ame: 20062	8R1 10. Date: 28	3-Jun-2020. Time: 17	7:21:16, ID: 2001155-03 PDI	-175SC-A-01-02-200522 11.	03. Description	: PDI-175SC-A-01-0	2-200522
3,7,8-TCDD)		~ .				
0628R1_10		SN	SrJ	SN		SAT SN	SN F1:Voltage SIR,E 319.89
21.29 %	21.74 22.08 21 21.39 21.39	2.34 22.52 22.89 ²	SN 24.10 3.0923.40 23.49 23.82 MM M M M M M M M M M M M M M	24.51.24.57 25.11 ^{25.38} 25.6; MmmmMmMMM	2 25.8426.21 26.30	126.56 126.83 26.89 27.01 27	7.38 27.44 ^{27.71} 28.07 28.19
0++++++++++++++++++++++++++++++++++++++		• • • • • • • • • • • • • • • • • • • •					n
0628R1_10					26.48	26.48	F1:Voltage SIR, 321.8
-					2.61e2 5255	2.61e2 5255	9.051e+0
21 30			24.30	24.64 24.79	25.80 25.94 26.20	26.80	27.46 27.65
 	21.69.21.77 22.1	4 22.41 22.49 22.73 2 22.50 23.00	24.30 23.37 23.48 23.8324.04 23.50 24.00	24.64 24.79 25.41.25.47 24.50 25.00 25.50	25.80 25.94 26.20	26.50 27.00	27.46 27.65 28.14 28.23
0 21.00 3C-2,3,7,8-1	21.50 22.00	• • • • • • • • • • • • • • • • • • • •	*****		25.80 25.94 26.20	<u></u>	
0 21.00 3C-2,3,7,8-1 00628R1_10	21.50 22.00	• • • • • • • • • • • • • • • • • • • •	*****	24.50 25.00 25.50 13C-1,2,3,4-TCD	25.80 25.94 26.20	26.50 27.00	7.50 28.00 F1:Voltage SIR,I 331.93
0 21.00 3C-2,3,7,8-1 00628R1_10	21.50 22.00	• • • • • • • • • • • • • • • • • • • •	*****	24.50 25.00 25.50 13C-1,2,3,4-TCD 25.81 2.33e5	25.80 25.94 26.20	26.50 27.00 13C-2,3,7,8-TCDD √ 26.47	77.50 28.00 F1:Voltage SIR,J 331.93
0 21.00 3C-2,3,7,8-1 00628R1_10	21.50 22.00	• • • • • • • • • • • • • • • • • • • •	*****	24.50 25.00 25.50 13C-1,2,3,4-TCD 25.81	25.80 25.94 26.20	26.96 _26.50 27.00 	77.50 28.00 F1:Voltage SIR,J 331.93
3C-2,3,7,8-1 00628R1_10	21.50 22.00	****	*****	24.50 25.00 25.50 13C-1,2,3,4-TCD 25.81 2.33e5	25.80 25.94 26.20	26.50 27.00 13C-2,3,7,8-TCDD	7.50 28.00 F1:Voltage SIR, 331.93
3C-2,3,7,8-1 00628R1_10	21.50 22.00	****	*****	24.50 25.00 25.50 13C-1,2,3,4-TCD 25.81 2.33e5	25.80 25.94 26.20	26.50 27.00 13C-2,3,7,8-TCDD	7.50 28.00 F1:Voltage SIR, 331.93
0 21.00 3 C-2,3,7,8-1 00628R1_10	21.50 22.00	****	*****	24.50 25.00 25.50 13C-1,2,3,4-TCD 25.81 2.33e5	25.80 25.94 26.20	26.50 27.00 13C-2,3,7,8-TCDD	<pre>////////////////////////////////////</pre>
3C-2,3,7,8-1 21.00 3C-2,3,7,8-1 20628R1_10	21.50 22.00	****	*****	24.50 25.00 25.50 13C-1,2,3,4-TCD 25.81 2.33e5 3232691	25.80 25.94 26.20	26.50 27.00 13C-2,3,7,8-TCDD 26.47 2.01e5 2709248	<pre>V ************************************</pre>
0 21.00 3 C-2,3,7,8-1 00628R1_10 % 0	21.50 22.00	****	*****	24.50 25.00 25.50 13C-1,2,3,4-TCD 25.81 2.33e5 3232691 13C-1,2,3,4-TCD 25.81 3.00e5	25.80 25.94 26.20	26.96 13C-2,3,7,8-TCDD 26.47 2.01e5 2709248 13C-2,3,7,8-TCDD 13C-2,3,7,8-TCDD 26.47	<pre>////////////////////////////////////</pre>
0 21.00 3 C-2,3,7,8-1 00628R1_10 % 0	21.50 22.00	****	*****	24.50 25.00 25.50 13C-1,2,3,4-TCD 25.81 2.33e5 3232691 	25.80 25.94 26.20	26.50 27.00 13C-2,3,7,8-TCDD 26.50 27.00 13C-2,3,7,8-TCDD 2709248	<pre>////////////////////////////////////</pre>
0 21.00 3 C-2,3,7,8-1 00628R1_10 0 00628R1_10	21.50 22.00	****	*****	24.50 25.00 25.50 13C-1,2,3,4-TCD 25.81 2.33e5 3232691 13C-1,2,3,4-TCD 25.81 3.00e5	25.80 25.94 26.20	26.50 27.00 13C-2,3,7,8-TCDD 26.47 2.01e5 2709248 13C-2,3,7,8-TCDD 13C-2,3,7,8-TCDD 26.47 2.51e5	·········
0 21.00 3 C-2,3,7,8-1 00628R1_10 0 00628R1_10	21.50 22.00	****	*****	24.50 25.00 25.50 13C-1,2,3,4-TCD 25.81 2.33e5 3232691 13C-1,2,3,4-TCD 25.81 3.00e5	25.80 25.94 26.20	26.50 27.00 13C-2,3,7,8-TCDD 26.47 2.01e5 2709248 13C-2,3,7,8-TCDD 13C-2,3,7,8-TCDD 26.47 2.51e5	У ч./

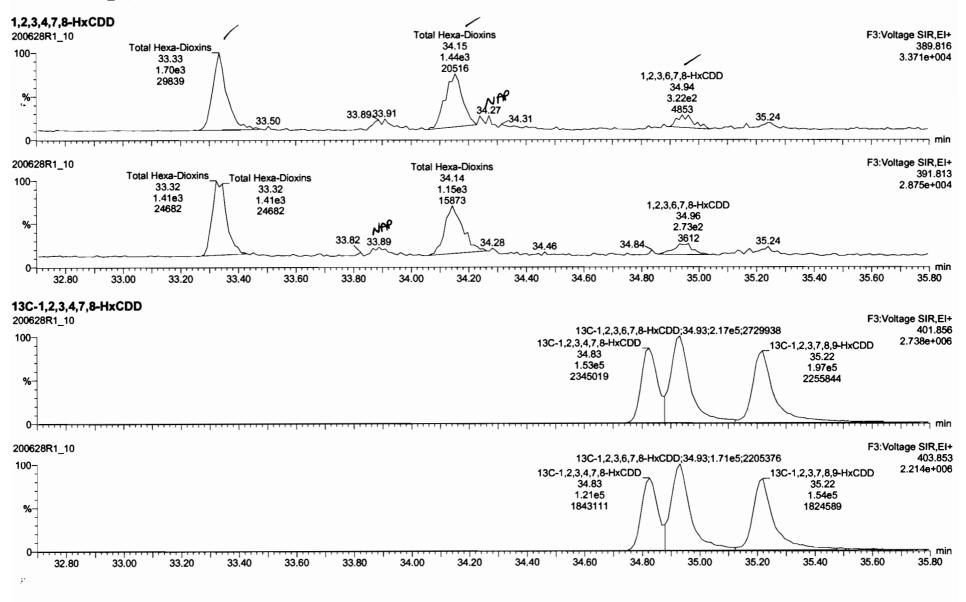
Quantify Sam Vista Analytica	· · ·	Page 106 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	

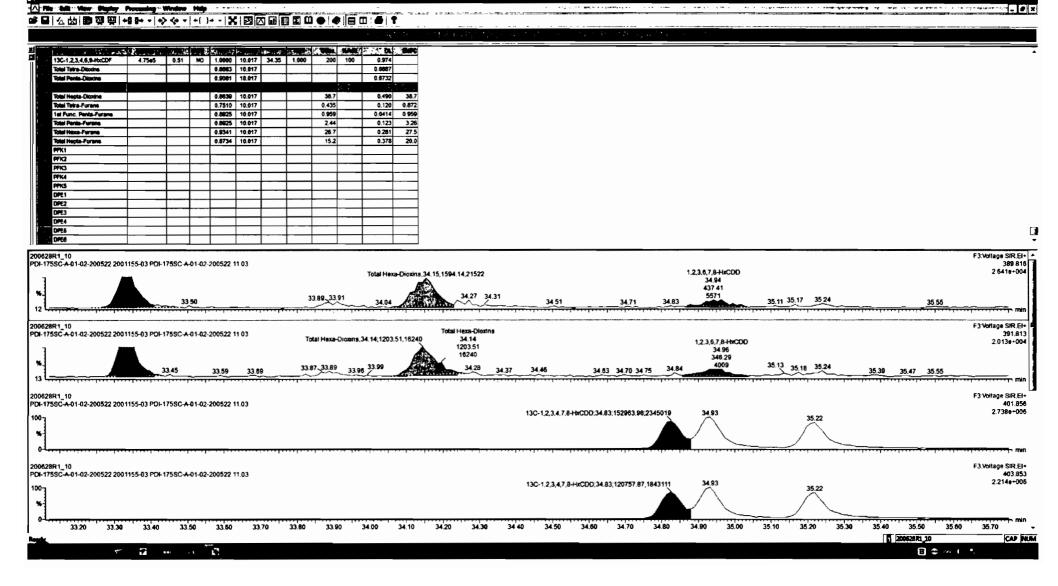


Quantify San Vista Analytica		Page 107 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	
*	•	

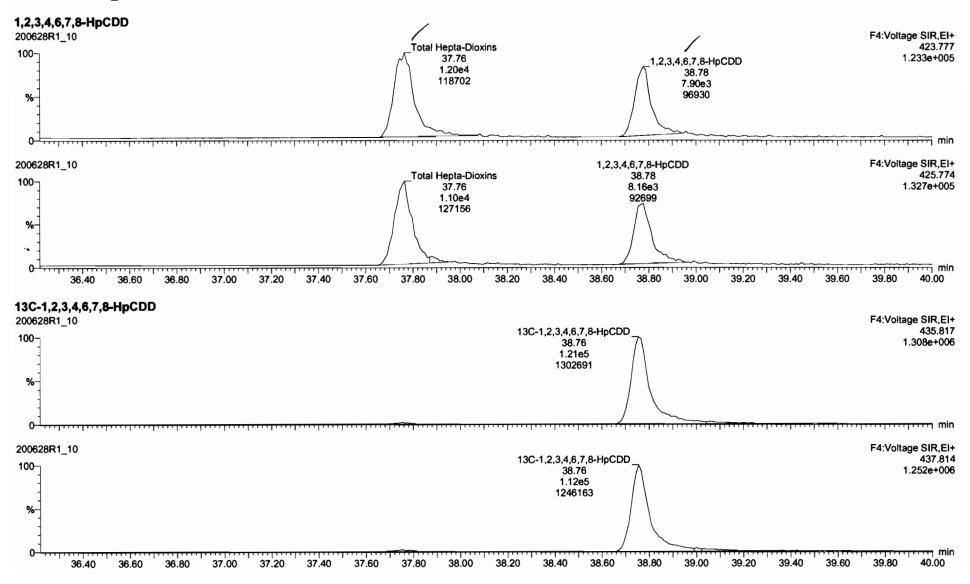


Quantify Sam Vista Analytica		Page 108 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	

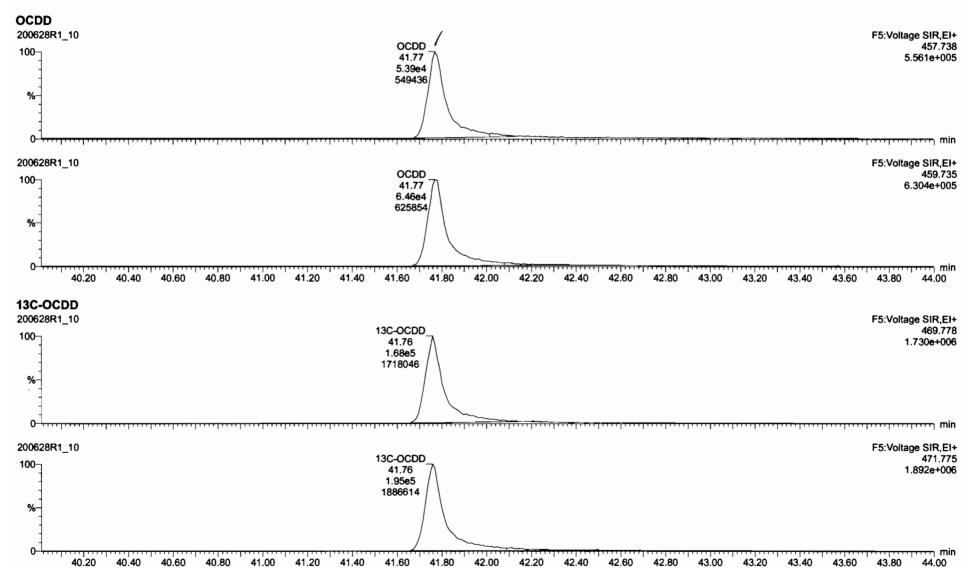


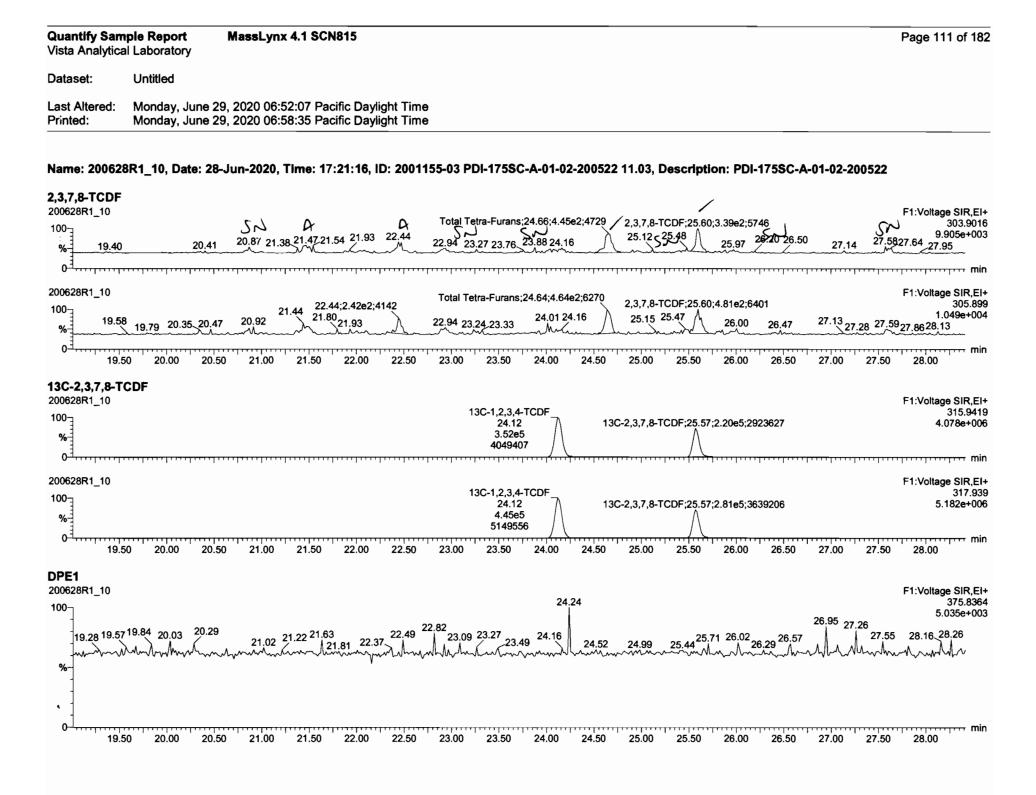


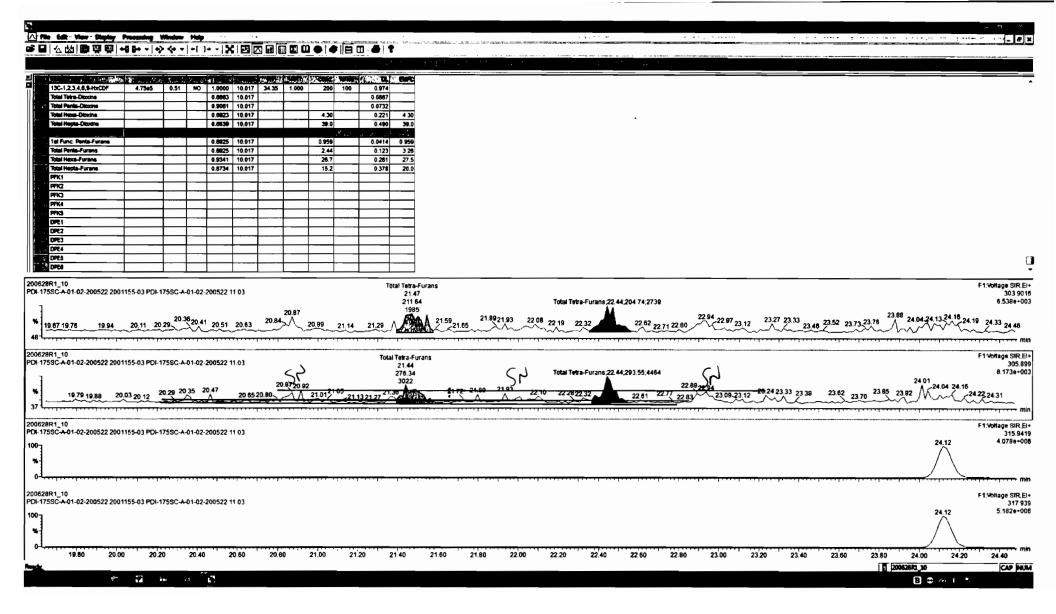
Quantify Sam Vista Analytica		Page 109 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	

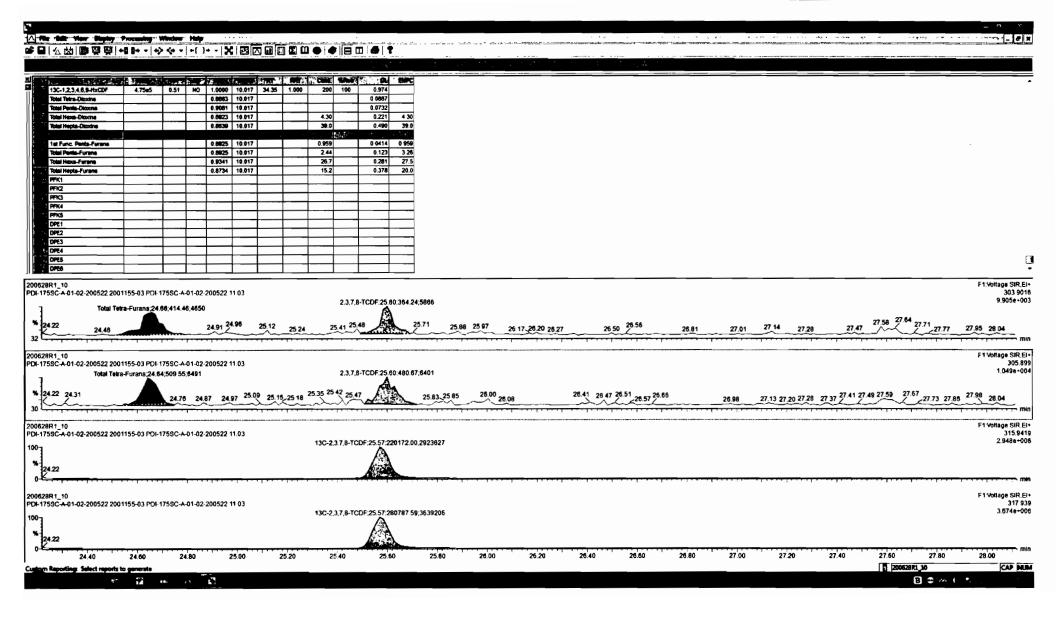


Quantify Sam Vista Analytica		Page 110 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	

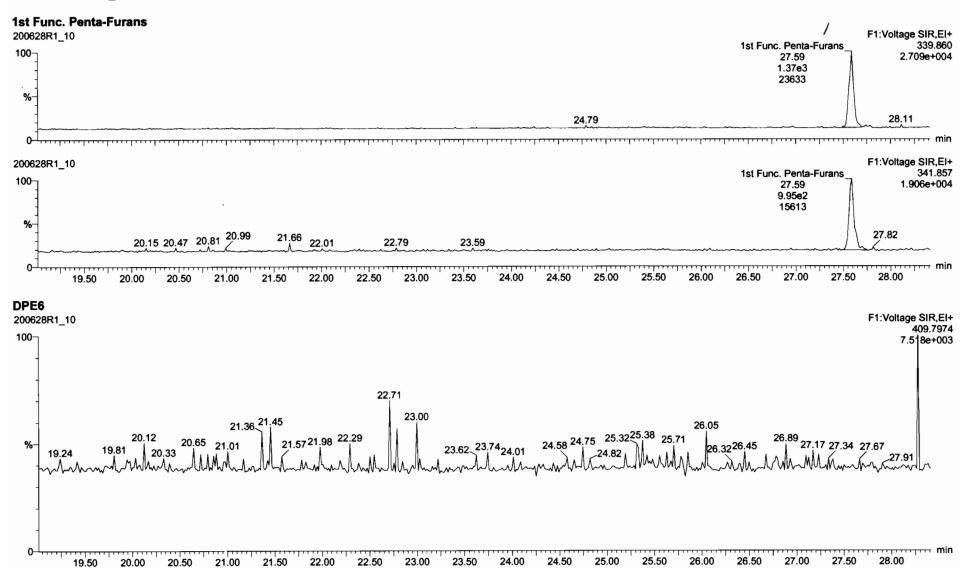




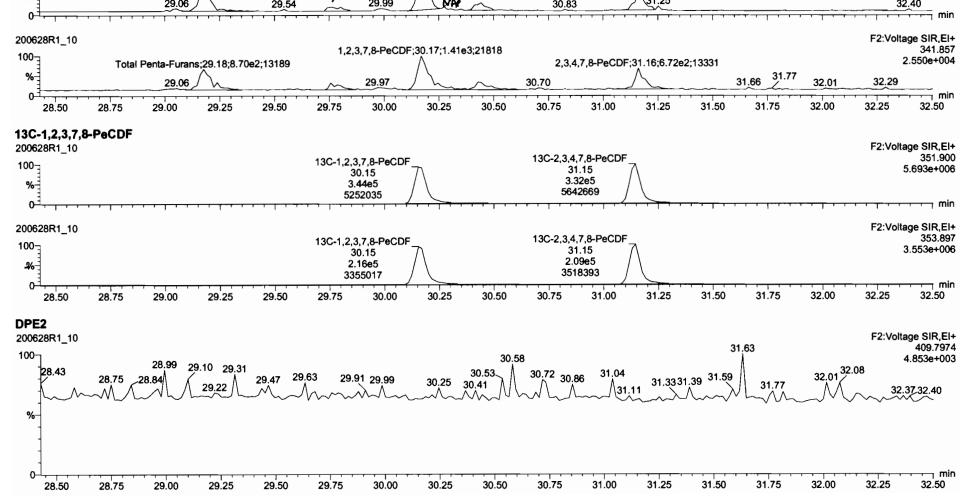




Quantify Sam Vista Analytica		MassLynx 4.1 SCN815	Page 112 of 182
Dataset:	Untitled		
Last Altered: Printed:		29, 2020 06:52:07 Pacific Daylight Time 29, 2020 06:58:35 Pacific Daylight Time	

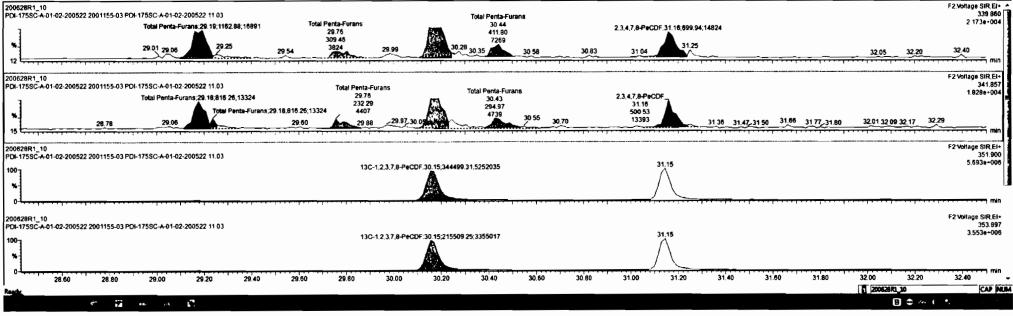


Quantify Sam Vista Analytica	• • •	15		Page 113 of 182
Dataset:	Untitled			
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacifi Monday, June 29, 2020 06:58:35 Pacifi			
		1:16, ID: 2001155-03 PDI-175SC-A-01	-02-200522 11.03, Description: PDI-175SC-A-01-	-02-200522
1,2,3,7,8-PeC 200628R1_10	DF	/		F2:Voltage SIR,EI
100-	/	1,2,3,7,8-PeCDF;30.17;1.97e3;33601	51	339.86
-	Total Penta-Furans;29.19;1.26e3;16660	/ 20.28	2,3,4,7,8-PeCDF;31.16;8.37e2;14580	3.835e+00
% -	29.06 / 29.54	29.99	30.83 31.25	32 40



Work Order 2001155

Men and the second with the	in annall	-d [4]		A.A.L.	She would	w	Bee			<u>7</u>	BIT
13C-1.2,3,4.6,9-HxCDF	4.7565	0.51	₽	1.0000	10.017	34.35	1.000	200	100	0.974	
Total Tetra-Dixxine				0.8683	10.017					0.6687	
Total Penis-Ditoxins				0.9061	10.017		_			0 0732	
Total Have-Ditxine				0.6923	10.017			4.30		0.221	4 30
Total Hepta-Dicxins				0.8639	10.017			39.0		0.490	39.0
Total Tetra-Furana				0.7510	10.017			1.46	_	0.120	1.46
1st Func. Penta-Furans				0.8825	10.017			0.959		0.0414	0.959
											*
Total Haxa-Farana				0.9341	10.017			267		0.281	27.5
Total Hepta-Furans				0.8734	10.017			15.2		0.378	20.0
PFK1										_	
PFK2											
PFK3							_		_		
S PFK4											
PFK5											
OPE1											
0922											
DPE3											
DPE4											
DPE5											
DPE8											



.....

-

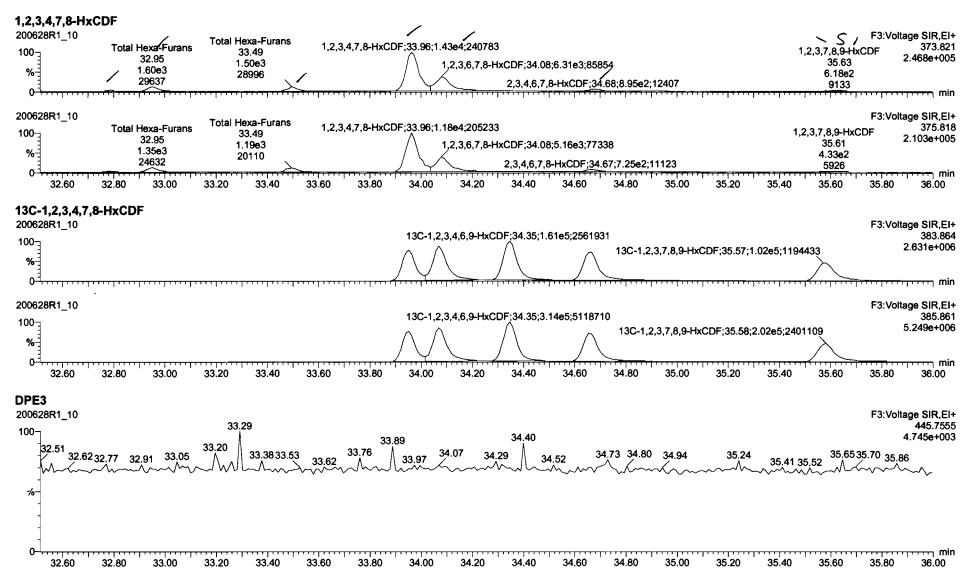
.....

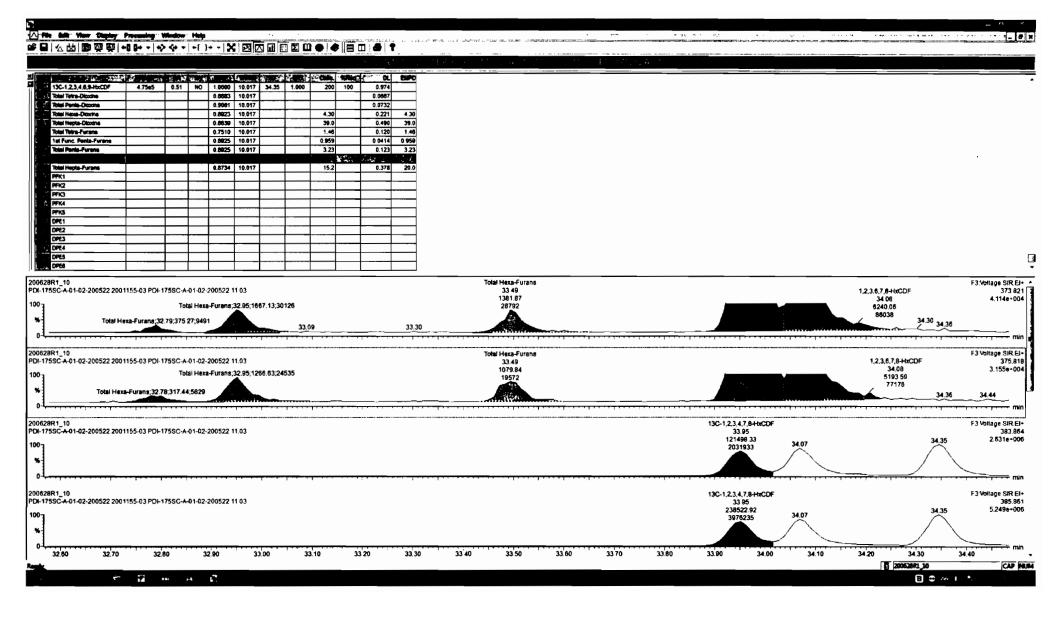
16¹**...**

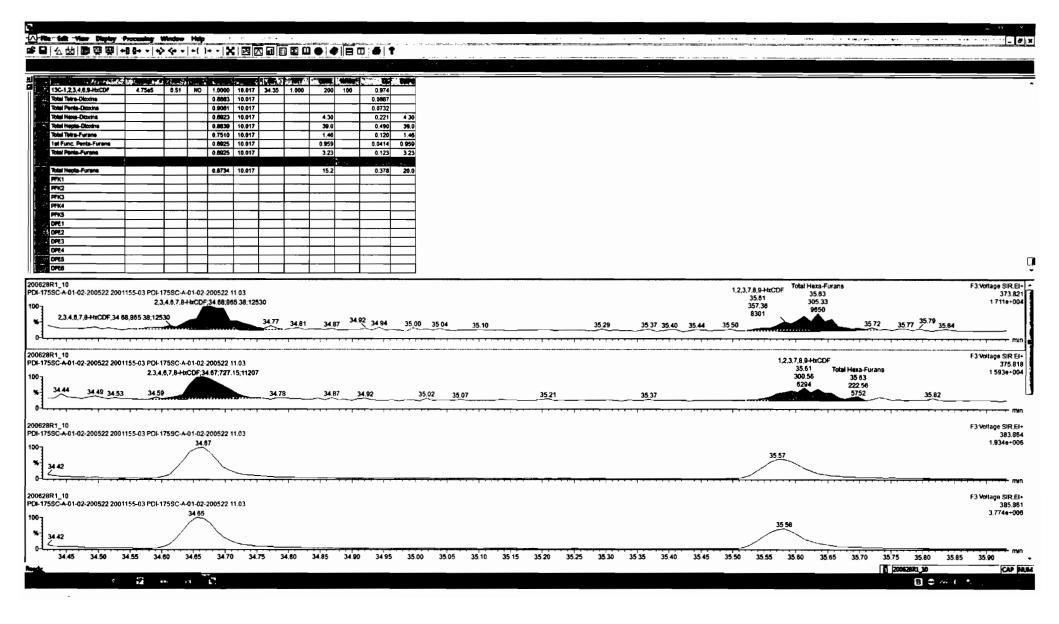
-- # ×

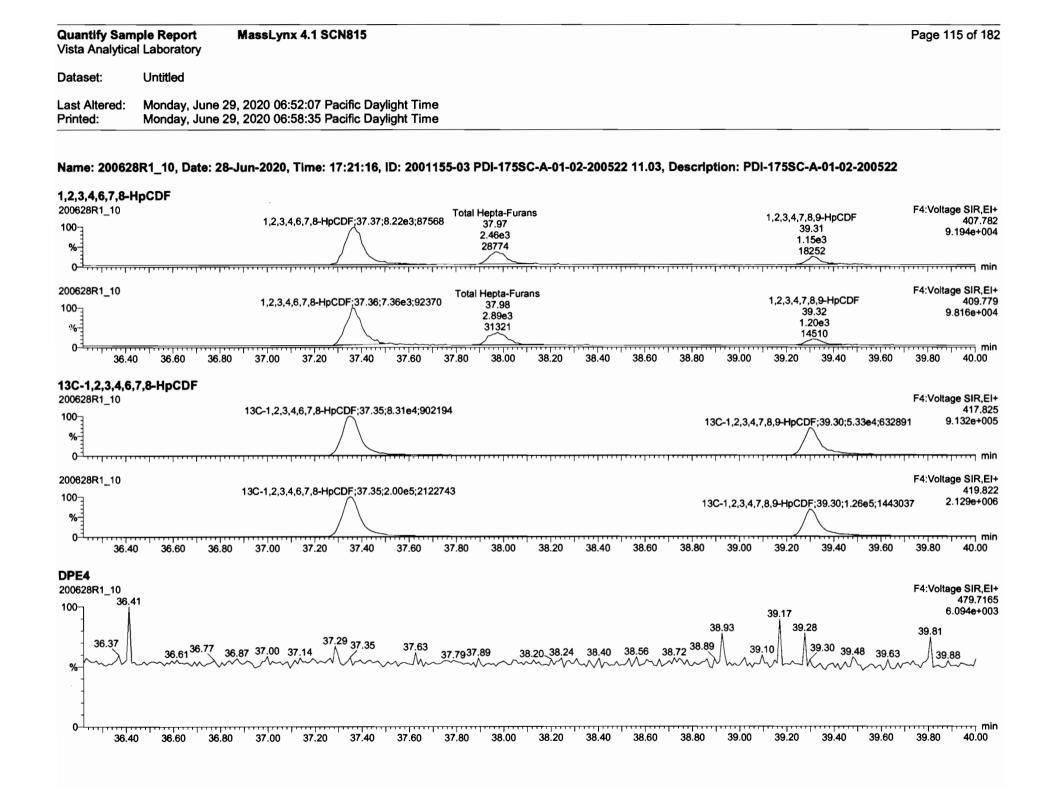
Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Image: Comparison of
Dataset: Untitled

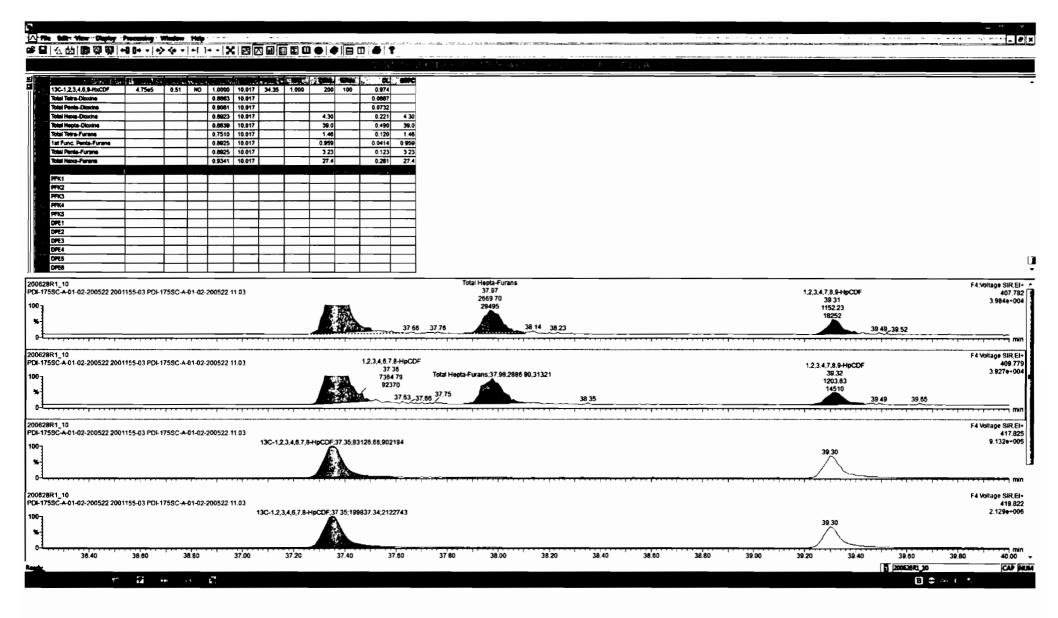
Last Altered: Monday, June 29, 2020 06:52:07 Pacific Daylight Time Printed: Monday, June 29, 2020 06:58:35 Pacific Daylight Time



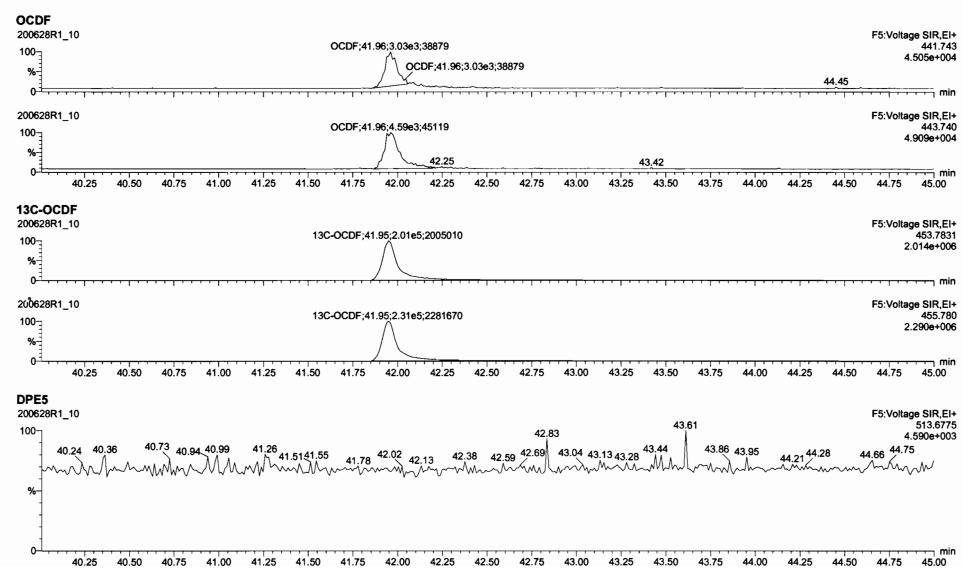








Quantify Sam Vista Analytica		MassLynx 4.1 SCN815	Page 116 of 182
Dataset:	Untitled		
Last Altered: Printed:		29, 2020 06:52:07 Pacific Daylight Time 29, 2020 06:58:35 Pacific Daylight Time	
	Monday, June		



· · · · · · · · · · · · · · · · · · ·	soloy Processing	Window	r Halp	,												÷ • •			·· •• · ·	• •	, . .		al	والمعاودية المراجع الأطرار ولا	
		>	1+1	1+ - 13	1 23						· · · · · · · · · · · · · · · · · · ·	17 . INC. 1992													
			<u></u> ,						1											NY LOADS OF COMPANY					
						_														_		_			
	##	M. Sugar	<u>`</u>		1 Yak	Beck	The wint	3h		2752 0 L	تمستانية														÷
2,3,7,8-TCDD 1,2,3,7,8-PeCDD		+		0.8963					-	0.146															Ł
1.2.3.4.7.8-HbcDD				1.0334			-	l		0,198															
1,2,3,6,7,8-HxC00	5.9542	1.18				34.94	1.000	0.343		0.197	0 343														
1.2.3.7.8.9-HxCOD			HO	0.8889	10.017	7				0.241															
1,2,3,4,6,7,8-HpCD0		0.97		0.8639			1.001	15.9		0.490	15.9														
0000	1.19e5	0.84		0.9136	_	_	1.000	142		1.13	142														
2,3,7,8-TCDF	8.2042	0.71	_	0.7510	_		1.001	0.435		0.120	0.435														
1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF	3.38e3 1.51e3	1.40	_	0.8625	10.017		1.000	1.35		0.127	1 35 0.543														
1.2.3.4.7.8-tbcDF	2.61e4	1.22		0.8845				16.4		0.262	16.4														
1.2.3.6.7.8-HxCDF	1.15e4	1.22				34.08		5.86		0.233	5.86														
2.3,4,6,7,8-HxCDF	1.62e3	1.23	_		_	34.68		0.889		0.271	0.889														
1,2,3,7,8,9-HxCDF	1.05e3	1.43		0.8707				0.794		0.450	0.733														
1,2,3,4,6,7,8-HpCD		1.12		0.8734			1.001	12.6		0.323	12.6														
1.2,3,4,7,8,9-HpCD	2.36e3	0.96	NO	1.0128	10.017	39.31	1.000	2.59		0.402	2.59														
			4.0	1 4 6 6 6 1	10.047	24.43	4 000	1 1 1	22.4	0.357	1.121														
13C-2,3,7,8-TC00 13C-1,2,3,7,8-PeCD	4.52e5 0 4.10e5	0.80				28.47		18/	73.4 90.6	0.357															
13C-1,2,3,4,7,8 Hot		1.27				34.83			74.0	0.732															
13C-1,2,3,6,7,8-Hbd		1.27				34.83			80.4	0.561															
																_									
200628R1_10		47500																							F5:Vollage SIR,EI 441 743
PDI-175SC-A-01-02-2005	22 2001155-03 PU	-1/580-4	A-01-02	-200522	1103					00		5;3805.56,41293	2												4 505e+00
100										00		A	5												
%											1		1.96;380	5.56;41293											
1 1											Á									_				44 45	
0-1		*****		***	.,,	1	· · · · · · · · · · · · · · · · · · ·		.	,,,,,,, ,					,,	******	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	····		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· , , , , , , , , , , , , , , , , , , ,	••••••••••••••••••••••••••••••••••••••
																									F5:Voltage SIR,EI
200628R1_10 PDI-1759C-A-01-02-2005	22 2001155-03 PDI	175SC-/	A-01-02	-200522	11.03																				443.74
										00	DF:41.96	3:4660.46:45815	5												4.909e+004
100 -												A													
x																									
												and the second	42.25	~~~~~					43_42						
0-6	*****					1									1										
20062881 10									Transaki kada sa sanga s																F5 Voltage SIR,EI
PDI-175SC-A-01-02-2005	22 2001155-03 PD	-175SC-/	A-01-02	-200522	11.03																				453.783
1007										13C-0CC	DF;41.95	200953.25:200	5010												2.014e+00
											1	A.													
%												-3													
													_		-										
• • • • • • • • • • • • • • • • • • • •		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		11.11.						1						1	,			
200628R1_10																									F5.Vollage SIR EI
PDI-1759C-A-01-02-2005	22 2001155-03 PDI	-1758C-	A-01-02	-200522	11 03																				455 78 2.290e+00
100-										13C-0C	DF:41.95	230935 88;228	1670												2.2908+00
												23													
*												100													
0 ¹																*****			·····	· · · · · · · · · · · · · · · · · · ·					mi
40.20	40.40 40	.60	40.8	0 4	41.00	41.2	0	41.40	41.60	41	80	42.00	42.20	42.40	42.60	42.80	43.00	43.20	43.40	43.60	43.80	44 00	44.20	44.40 44.60	44.80 45.00
Custom Reporting: Select	eports to generate																						_	200628/1 15	CAP NU
		194																						🗉 C 🗠	1 .
		4.3		·																					

$\frac{17.72}{19.50} = 20.47 = 22.00 = 20.50 = 21.00 = 21.50 = 22.00 = 22.50 = 23.00 = 23.50 = 24.03.1224.21.2460 = 24.6124.67 = 25.69.6.4363.122836 = 26.51 = 26.65 = 27.00 = 27.7427.88 = 316.5 = 15.4414 = 19.50 = 20.00 = 20.50 = 21.00 = 21.50 = 22.00 = 22.50 = 23.00 = 23.50 = 24.00 = 24.50 = 25.00 = 26.50 = 26.50 = 27.00 = 27.50 = 28.00 = 27.75 = 28.00 = 28.75 = 29.00 = 29.25 = 29.50 = 29.75 = 30.05 = 30.26 = 30.40 = 30.69 = 30.99.31.04 = 31.28 = 31.39 = 31.50 = 31.77 = 31.88 = 31.92 = 32.34 = 128.29 = 28.69 = 28.69 = 27.78 = 29.00 = 29.25 = 29.50 = 29.75 = 30.00 = 30.26 = 30.40 = 30.69 = 30.99.31.04 = 31.28 = 31.50 = 31.77 = 31.88 = 31.92 = 32.34 = 128.29 = 28.69 = 28.75 = 29.00 = 29.25 = 29.50 = 29.75 = 30.00 = 30.25 = 30.50 = 30.75 = 31.00 = 31.25 = 31.50 = 31.75 = 32.00 = 32.24 = 128.29 = 28.69 = 28.75 = 29.00 = 29.25 = 29.50 = 29.75 = 30.00 = 30.25 = 30.50 = 30.75 = 31.00 = 31.25 = 31.50 = 31.75 = 32.00 = 32.24 = 128.29 = 28.69 = 28.75 = 29.00 = 29.25 = 29.50 = 29.75 = 30.00 = 30.25 = 30.50 = 30.75 = 31.00 = 31.25 = 31.50 = 31.75 = 32.00 = 32.24 = 38.69 = 32.60 = 32.60 = 32.60 = 32.60 = 32.60 = 32.60 = 32.60 = 33.30 = 33.40 = 33.60 = 34.40 = 34.40 = 34.60 = 34.80 = 34.80 = 35.00 = 35.20 = 35.40 = 35.80 = 36.60 = 35.80 = 35.80 = 36.60 = 36.58 = 51.495709 = 37.10 = 37.33 = 37.73 = 38.00 = 38.29 = 38.50 = 39.20 = 39.40 = 39.60 = 39.40 =$	sta Analytica	a ple Report Al Laboratory	MassLynx 4.1 S(CN815								Page 117 of 7
Inted: Monday, June 29, 2020 06:58:35 Pacific Daylight Time Imme: 200628R1_10, Date: 28-Jun-2020, Time: 17:21:16, ID: 2001155-03 PDI-175SC-A-01-02-200522 11.03, Description: PDI-175SC-A-01-02-200522 K1 SK1 K1 K1 K1 K1 K1 K2 K2 K2 K2 K2 K2 K2 K2 K2 K2 K2 K3 K2 K3 K2 K3 K2 K3 K2 K3 K2 K3 K2 K3 K3 K3 K3 K3 K3 K3 K4	itaset:	Untitled										
$ \frac{10}{19.772440} = \frac{21}{19.727140340} = \frac{21}{12.72140341} = \frac{21}{19.342} = \frac{21}{21.83} = \frac{22.04}{22.52} = \frac{24.03.3}{12.64.212460} = \frac{24.6124.67}{25.666.43631722836} = \frac{25.7}{26.66} = \frac{27.74}{27.78} $												
$ \frac{10}{19.772440} = \frac{21}{19.727140340} = \frac{21}{12.72140341} = \frac{21}{19.342} = \frac{21}{21.83} = \frac{22.04}{22.52} = \frac{24.03.3}{12.64.212460} = \frac{24.6124.67}{25.666.43631722836} = \frac{25.7}{26.66} = \frac{27.74}{27.78} $,											
$\begin{aligned} \begin{array}{c} & & & & & & & & & & & & & & & & & & &$	me: 20062	8R1_10, Date: 28-	Jun-2020, Time: 1	17:21:16, ID: 20	01155-03 PC	0I-175SC-A-0 ⁻	1-02-200522 1 [.]	1.03, Descrip	tion: PDI-1	175SC-A-(01-02-200522	2
$ \begin{array}{c} 19.767.72463,203768_{20.45} & 21.72,16364(193441_{21.93},22.042,252_{22.86},24.03,31224212460 \\ 19.50 & 20.00 & 20.50 & 21.00 & 21.50 & 22.00 & 22.50 & 23.00 & 23.50 & 24.00 & 24.50 & 25.00 & 25.50 & 26.00 & 26.50 & 27.00 & 27.50 & 28.00 \\ \hline 19.50 & 20.00 & 20.50 & 21.00 & 21.50 & 22.00 & 22.50 & 23.00 & 23.50 & 24.00 & 24.50 & 25.00 & 25.50 & 26.00 & 26.50 & 27.00 & 27.50 & 28.00 \\ \hline 19.50 & 20.01, 7.0224,316047 & 29.18 & 29.34 & 29.48 & 29.67.28.79 & 30.05 & 30.26 & 30.40 & 30.60 & 30.69 & 30.99,31.04 & 31.28 & 31.39 & 31.50 & 31.77 & 31.88.31.92 & 32.34 & 396.5 \\ \hline 19.26 & 20.47, 52.24,316047 & 29.18 & 29.34 & 29.48 & 29.67.28.79 & 30.05 & 30.26 & 30.40 & 30.60 & 30.69 & 30.99,31.04 & 31.28 & 31.50 & 31.77 & 31.88.31.92 & 32.34 & 36.56 \\ \hline 22.60 & 26.75 & 29.00 & 29.25 & 29.50 & 29.75 & 30.00 & 30.25 & 30.50 & 30.75 & 31.00 & 31.25 & 31.50 & 31.75 & 32.00 & 32.26 & 32.5 \\ \hline 22.60 & 26.75 & 29.00 & 29.25 & 29.50 & 29.75 & 30.00 & 30.25 & 30.50 & 30.75 & 31.00 & 31.25 & 31.50 & 31.75 & 32.00 & 32.26 & 32.5 \\ \hline 32.60 & 32.60 & 33.00 & 33.20 & 33.40 & 33.60 & 33.80 & 34.00 & 34.20 & 34.40 & 34.60 & 34.80 & 35.00 & 35.20 & 35.40 & 35.60 & 35.80 & 36.60 \\ \hline 32.60 & 32.60 & 32.80 & 33.00 & 33.20 & 33.40 & 33.60 & 33.80 & 34.00 & 34.20 & 34.40 & 34.60 & 34.80 & 35.00 & 35.20 & 35.40 & 35.60 & 35.80 & 36.60 \\ \hline 32.60 & 32.60 & 35.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 & 38.80 & 38.00 & 39.20 & 39.40 & 39.60 & 39.80 & 40.0 \\ \hline 34.60 & 36.60 & 36.60 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 & 38.40 & 38.60 & 38.80 & 39.00 & 39.20 & 39.40 & 39.60 $												
$K_{2} = \frac{1950}{1950} 20.00 \ 20.50 \ 21.00 \ 21.50 \ 22.00 \ 22.50 \ 23.00 \ 23.50 \ 24.00 \ 24.50 \ 25.50 \ 25.50 \ 25.00 \ 26.50 \ 27.00 \ 27.50 \ 28.00 \ 20.60 \ 30.60 \ 30.60 \ 30.60 \ 30.60 \ 30.60 \ 30.60 \ 31.25 \ 31.00 \ 31.25 \ 31.50 \ 31.77 \ 31.88 \ 31.92 \ 32.24 \ 34.55 \ 35.00 \ 31.75 \ 32.00 \ 32.25 \ 32.20 \ 32.25 \ 32.50 \ 35.20 $	0628R1_10 019.78	;7.24e3;203768 20.45	21.72;1.63e4;19344	1 21.93 22.04 22.5	24.03 2 22.86	;3.12e4;212460	24.6124.	.67 25.69;6.4	3e3;122836	26.51 26.	.68 27.08 27	F1:Voltage SIR, 7.7427.88 316.98
$\begin{aligned} & \begin{array}{c} 19.50 & 20.00 & 20.50 & 21.00 & 21.50 & 22.00 & 22.50 & 23.00 & 23.50 & 24.00 & 24.50 & 25.50 & 26.00 & 26.50 & 27.00 & 27.50 & 28.00 \\ \hline \textbf{K2} \\ & \begin{array}{c} 0020871 & 10 \\ 0 & 28.49 & 28.49 & 29.18 & 29.34 & 29.48 & 29.67 & 29.79 & 30.05 & 30.26 & 30.40 & 30.60 & 30.69 & 30.99.31.04 & 31.28 & 31.39 & 31.77 & 31.88 & 31.32 & 32.34 & 30.68 \\ \hline \textbf{K2} \\ & \begin{array}{c} 0 & 28.49 & 28.69 & 28.75 & 29.00 & 29.25 & 29.50 & 29.75 & 30.00 & 30.25 & 30.50 & 30.75 & 31.00 & 31.25 & 31.50 & 31.75 & 32.00 & 32.25 & 32.5 \\ \hline \textbf{K3} \\ \hline \textbf{K4} \\ \hline \textbf{K4} \\ \hline \textbf{K4} \\ \hline \textbf{K4} \\ \hline \textbf{K6} \\ \hline \textbf{K6} \\ \hline \textbf{K5} \\ \hline \textbf{K6} \\ \hline \textbf$		St allows										
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} $		50 20.00 20.5	0 21.00 21.50	22.00 22.5	0 23.00	23.50 24.0	00 24.50	25.00 25.50	26.00	26.50	27.00 27.5	50 28.00
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0628R1 10						00.00	2	1 20	04 77		F2:Voltage SIR,
$K3$ $S=10^{-28.50} = 28.75 = 29.00 = 29.25 = 29.50 = 29.75 = 30.00 = 30.25 = 30.50 = 30.75 = 31.00 = 31.25 = 31.50 = 31.75 = 32.00 = 32.25 = 32.57 = 30.00 = 30.25 = 30.05 = 30.75 = 31.00 = 31.75 = 32.00 = 32.25 = 32.57 = 30.00 = 30.25 = 30.05 = 30.75 = 31.00 = 31.75 = 32.00 = 32.25 = 32.57 = 30.00 = 30.25 = 30.05 = 30.75 = 31.00 = 31.75 = 32.00 = 32.25 = 33.37 = 33.82 = 33.72 = 33.93 = 34.26 = 34.44 = 34.55 = 35.05 = 35.31 = 35.74 = 330.25 = 33.37 = 33.93 = 34.26 = 34.44 = 34.55 = 35.00 = 35.20 = 35.40 = 35.60 = 35.80 = 36.60 = 35.80 = 35.80 = 36.60 = 35.80 = 37.10 = 37.30 = 39.20 = 39.40 $	29	.04;7.82e4;316047	29.18 29.34 29.48	29.67 29.79	30.05 30.2	26 30.40 30.0	60 ^{30.69} 30.99	31.04 31.28	31.50	31.77	31.88 31.92	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	<u>~ 28.49 2</u>	8.69										
$\begin{array}{c} \textbf{K3} \\ \textbf{0} \\ \textbf$	<u>_</u>											
$\begin{array}{c} \text{F3:Voltage SIR} \\ \text{F3:Voltage SIR} \\ \text{F4:Voltage SIR} \\ \text{F5:Voltage SIR} \\ \text{F5:Voltage SIR} \\ \text{F5:Voltage SIR} \\ \text{F5:Voltage SIR} \\ \text{F4:Voltage SIR} \\$	• • • • • •	28,75 29.00	29.25 29.50	29.75 3	0.00 30.2	25 30.50	30.75 3	1.00 31.25	31.50	31.75	32.00	32.25 32.5
$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$	28.50	28.75 29.00	29.25 29.50	29.75 3	0.00 30.2	25 30.50	30.75 3	1.00 31.25	31.50	31.75	32.00	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	28.50				0.00 30.2		24.55	1.00 31.25			32.00	32.25 32.50 F3:Voltage SIR,
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	28.50 K3 0628R1_10		326	33 63			24.55	1.00 31.25			32.00	32.25 32.50 F3:Voltage SIR,
$\begin{array}{c} F4:Voltage SIR \\ F5:Voltage SIR \\$	28.50 FK3 0628R1_10 0		326	33 63			24.55	1.00 31.25			32.00	32.25 32.50 F3:Voltage SIR, 35.74 380.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	28.50 K3 0628R1_10 0 0 0 0 0 0 0 0 0 0 0 0 0	32.96;7.10e5;3176;	326 33.37	33.62 33.72	33.93	34.26	34.44 34.55		35.05	35.31		32.25 32.5(F3:Voltage SIR, 35.74 380.9 8:430e+(
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	28.50 K3 0628R1_10 0 	32.96;7.10e5;3176;	326 33.37	33.62 33.72	33.93	34.26	34.44 34.55		35.05	35.31		32.25 32.5(F3:Voltage SIR, 35.74 380.9 8:430e+(
$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$	28.50 K3 0628R1_10 0 	32.96;7.10e5;3176; 32.80 33.00	326 33.37 33.20 33.40	33.62 33.72 33.60 33.8	33.93	34.26 ,, 34.20 3.	<u>34.44</u> <u>34.55</u> 4.40 <u>34.60</u> 28.50		35.05	<u>35.31</u> 20 35.	40 35.60	32.25 32.5(F3:Voltage SIR, 35.74 380.9 8:430e+(35.80 36.0) F4:Voltage SIR,
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	28.50 K3 0628R1_10 0 32.60 K4 0628R1_10 0 32.60 K4 0628R1_10	32.96;7.10e5;3176; 32.80 33.00	326 33.37 33.20 33.40	33.62 33.72 33.60 33.8	33.93 0 34.00	34.26 ,, 34.20 3.	<u>34.44</u> <u>34.55</u> 4.40 <u>34.60</u> 28.50		35.05	<u>35.31</u> 20 35.	40 35.60	32.25 32.5(F3:Voltage SIR, 35.74 380.9 8:430e+(35.80 36.0) F4:Voltage SIR,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	28.50 FK3 0628R1_10 0 32.60 FK4 0628R1_10 0 36.36	32.96;7.10e5;3176; 32.80 33.00	326 33.37 33.20 33.40	33.62 33.72 33.60 33.8	33.93 0 34.00	34.26 ,, 34.20 3.	<u>34.44</u> <u>34.55</u> 4.40 <u>34.60</u> 28.50		35.05	<u>35.31</u> 20 35.	40 35.60	32.25 32.50 F3:Voltage SIR, 35.74 380.9 8:430e+0 35.80 36.00 F4:Voltage SIR, 55 39.81 430.9 55 39.81 6:474e+0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	28.50 K3 0628R1_10 0 32.60 K4 0628R1_10 0 32.60 K4 0628R1_10	32.96;7.10e5;3176 32.80 33.00 36.66;5.81e5;148970	326 <u>33.37</u> 33.20 33.40 37.10	33.62 33.72 33.60 33.8 37.3537.46	<u>33.93</u> 0 34.00 <u>37.73</u>	34.26 34.20 3 38.00	<u>34.44</u> <u>34.55</u> 4.40 <u>34.60</u> 38.29 <u>38.50</u>	34.80 3	<u>35.05</u> 5.00 35.	<u>35.31</u> 20 35. 39.22 3	40 35.60 39.39 ^{39.46} 39.5	32.25 32.50 F3:Voltage SIR, 35.74 380.9 8:430e+(35.80 36.00 F4:Voltage SIR, 55 39.81 430.9 55 39.81 6:474e+(
% 40.05 ·····	28.50 K3 0628R1_10 0 32.60 K4 0628R1_10 0 36.36 K5	32.96;7.10e5;3176 32.80 33.00 36.66;5.81e5;148970 0 36.60 36.80	326 33.37 33.20 33.40 37.10 37.00 37.20	33.62 33.72 33.60 33.80 33.8 37.3537.46 37.40 37.60	<u>33.93</u> 0 34.00 <u>37.73</u>	34.26 34.20 3 38.00	<u>34.44</u> <u>34.55</u> 4.40 <u>34.60</u> 38.29 <u>38.50</u>	34.80 3	<u>35.05</u> 5.00 35.	<u>35.31</u> 20 35. 39.22 3	40 35.60 39.39 ^{39.46} 39.5	32.25 32.50 F3:Voltage SIR, 35.74 380.9 8:430e+(35.80 36.00 F4:Voltage SIR, 55 39.81 6:474e+(39.80 40.00
	28.50 K3 0628R1_10 0 32.60 K4 0628R1_10 0 36.36 0 36.4 K5 0628R1_10	32.96;7.10e5;3176 32.80 33.00 36.66;5.81e5;1489709 0 36.60 36.80 40.45	326 33.37 33.20 33.40 37.10 37.00 37.20 41.06 6.75e4	33.62 33.72 33.60 33.8 37.3537.46 37.40 37.60 41.50 5.45e4	<u>33.93</u> 0 34.00 <u>37.73</u> 37.80	34.26 34.20 3 38.00 3 38.00 38.20	34.44 34.55 4.40 34.60 38.29 38.50 0 38.40 34	34.80 3 34.80 3 8.60 38.80	<u>35.05</u> 5.00 35.	<u>35.31</u> 20 35. 39.22 3	40 35.60 39.39 ^{39.46} 39.5	32.25 32.50 F3:Voltage SIR, 35.74 380.9 8:430e+0 35.80 36.0 F4:Voltage SIR, 430.9 55 39.81 6:474e+0 39.80 40.00 F5:Voltage SIR, 454.9
	28.50 K3 0628R1_10 0 32.60 K4 0628R1_10 0 36.4 K5 0628R1_10 0 36.4 K5 0628R1_10	32.96;7.10e5;31763 32.80 33.00 36.66;5.81e5;1489709 0 36.60 36.80 40.45 6.65e5	326 33.37 33.20 33.40 37.10 37.00 37.20 41.06 6.75e4	33.62 33.72 33.60 33.8 37.3537.46 37.40 37.60 41.50 5.45e4	<u>33.93</u> 0 34.00 <u>37.73</u> 37.80	34.26 34.20 3 38.00 3 38.00 38.20	34.44 34.55 4.40 34.60 38.29 38.50 0 38.40 34	34.80 3 34.80 3 8.60 38.80	35.05 5.00 35. 39.00	35.31 20 35. 39.22 3	40 35.60 39.39 39.46 39.39 39.46 39.40 39.60	32.25 32.50 F3:Voltage SIR, 35.74 380.9 8:430e+0 35.80 36.00 F4:Voltage SIR, 55 39.81 6:474e+0 39.80 40.00 F5:Voltage SIR, 454.9 4.290e+1

Quantify Sam Vista Analytica	ple Summary Report MassLynx 4.1 SCN815	Page 1 of 2
Dataset:	U:\VG12.PRO\Results\200628R1\200628R1-11.qld	
Last Altered: Printed:	Monday, July 06, 2020 3:09:39 PM Pacific Daylight Time Monday, July 06, 2020 3:11:16 PM Pacific Daylight Time	GPB_07/06/2020

Con U7/09/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200628R1_11, Date: 28-Jun-2020, Time: 18:07:28, ID: 2001155-04 PDI-175SC-A-02-03-200522 11.47, Description: PDI-175SC-A-02-03-200522

			RA	*ħ/y	RRF	-Wivel	Pred RT	7	PHO RRT	.				and second salars
	1 2,3,7,8-TCDD			NO	0.888	10.070	- 26.501		1.001				0.120	
	2 1,2,3,7,8-PeCDD			NO	0.908	10.070	31.473		1.001				0.0723	
A started	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.070	34.835		1.000				0.122	
	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.070	34.931		1.000				0.119	
	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.070	35.230		1.000				0.148	
	6 1,2,3,4,6,7,8-HpCDD			NO	0.864	10.070	38.778		1.000				0.210	
1.1.1	7 OCDD	5.47e2	0.83	NO	0.914	10.070	41.769	41.77	1.000	1.000	0.60839		0.226	0.608
S the state of the	8 2,3,7,8-TCDF			NO	0.751	10.070	25.612		1.001				0.0795	
A. 1974	9 1,2,3,7,8-PeCDF			NO	0.893	10.070	30.190		1.001				0.0560	
	10 2,3,4,7,8-PeCDF			NO	0.935	10.070	31.177		1.001				0.0516	
	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.070	33.952		1.000				0.0565	
	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.070	34.089		1.000				0.0508	
	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.070	34.700		1.001				0.0533	
and states	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.070	35.581		1.000				0.0871	
	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.070	37.397		1.001				0.0857	
·	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.070	39.309		1.000				0.101	
1.45	17 OCDF			NO	0.806	10.070	41.950		1.000				0.164	
	18 13C-2,3,7,8-TCDD	4.92e5	0.75	NO	1.16	10.070	26.491	26.47	1.026	1.026	166.84	84.0	0.326	
A.	19 13C-1,2,3,7,8-PeCDD	4.29e5	0.61	NO	0.849	10.070	31.674	31.45	1.227	1.219	197.91	99.6	0.780	
	20 13C-1,2,3,4,7,8-HxCDD	2.74e5	1.30	NO	0. 779	10.070	34.840	34.83		1.014	150.63	75.8	0.883	
	21 13C-1,2,3,6,7,8-HxCDD	4.19e5	1.37	NO	1.02	10.070	34.954	34.93	1.017	1.017	176.38	88.8	0.677	
	22 13C-1,2,3,7,8,9-HxCDD	3.62e5	1.39	NO	0.903	10.070	35.225	35.22	1.025	1.025	171.80	86.5	0.762	
1	23 13C-1,2,3,4,6,7,8-HpCDD	2.50e5	1.12	NO	0.689	10.070	38.750	38.77	1.128	1.128	155.10	78.1	0.764	
	24 13C-OCDD	3.91e5	0.88	NO	0.652	10.070	41.773	41.77	1.216	1.216	256.83	64.7	1.40	
	25 13C-2,3,7,8-TCDF	5.87e5	0.76	NO	1.06	10.070	25.534	25.59	0.989	0.991	148.32	74.7	0.523	
14 5 4 10 10	26 13C-1,2,3,7,8-PeCDF	5.84e5	1.53	NO	0.838	10.070	30.058	30.17	1.165	1.169	186.49	93.9	1.22	
	27 13C-2,3,4,7,8-PeCDF	5.96e5	1.60	NO	0.817	10.070	31.011	31.15	1.202	1.207	195.42	98.4	1.25	1
	28 13C-1,2,3,4,7,8-HxCDF	3.78e5	0.52	NO	1.01	10.070	33.971	33.95	0.989	0.988	160.54	80.8	1.02	
and she	29 13C-1,2,3,6,7,8-HxCDF	4.69e5	0.49	NO	1.17	10.070	34.095	34.08	0.992	0.992	172.24	86.7	0.881	
A starting of the	30 13C-2,3,4,6,7,8-HxCDF	4.37e5	0.51	NO	1.02	10.070	34.669	34.67	1.009	1.009	183.12	92.2	1.01	
	31 13C-1,2,3,7,8,9-HxCDF	3.43e5	0.50	NO	0.860	10.070	35.569	35.58	1.035	1.036	170.89	86.0	1.20	

Quantify Sam Vista Analytica	ple Summary Report Laboratory	MassLynx 4.1 SCN815
Dataset:	U:\VG12.PRO\Results\2006	28R1\200628R1-11.qld
Last Altered: Printed:		:39 PM Pacific Daylight Time :16 PM Pacific Daylight Time

Name: 200628R1_11, Date: 28-Jun-2020, Time: 18:07:28, ID: 2001155-04 PDI-175SC-A-02-03-200522 11.47, Description: PDI-175SC-A-02-03-200522

Line -			RA		RRF	-	Process.			States.	Sielatel and		Martin and Balance
	32 13C-1,2,3,4,6,7,8-HpCDF	3.09e5	0.43	NO	0.774	10.070	37.317	37.36	1.086	1.087	171.13	86.2	0.947
and the	33 13C-1,2,3,4,7,8,9-HpCDF	1.93e5	0.41	NO	0.521	10.070	39.348	39.31	1.145	1.144	158.28	79.7	1.41
	34 13C-OCDF	4.76e5	0.90	NO	0.746	10.070	41.945	41.95	1.221	1.221	273.39	68.8	0.821
	35 37CI-2,3,7,8-TCDD	2.09e5			1.04	10.070	26.522	26.50	1.028	1.027	79.215	99.7	0.125
ie na the to	36 13C-1,2,3,4-TCDD	5.07e5	0.78	NO	1.00	10.070	25.890	25.81	1.000	1.000	198.61	100	0.377
	37 13C-1,2,3,4-TCDF	7.42e5	0.79	NO	1.00	10.070	24.360	24.13	1.000	1.000	198.61	100	0.554
5.5	38 13C-1,2,3,4,6,9-HxCDF	4.64e5	0.51	NO	1.00	10.070	34.420	34.36	1.000	1.000	198.61	100	1.03
	39 Total Tetra-Dioxins				0.888	10.070	24.620		0.000				0.0823
	40 Total Penta-Dioxins				0.908	10.070	29.960		0.000				0.0314
	41 Total Hexa-Dioxins				0.892	10.070	33.635		0.000				0.0736
	42 Total Hepta-Dioxins				0.864	10.070	37.640		0.000				0.119
	43 Total Tetra-Furans				0.751	10.070	23.610		0.000				0.0356
No. Com	44 1st Func. Penta-Furans				0.893	10.070	27.580		0.000				0.0154
	45 Total Penta-Furans				0.893	10.070	29.275		0.000				0.0289
	46 Total Hexa-Furans				0.934	10.070	33.555		0.000				0.0259
and the second second	47 Total Hepta-Furans				0.873	10.070	37.835		0.000				0.0488

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-11.qld

Last Altered: Monday, July 06, 2020 3:09:39 PM Pacific Daylight Time Printed: Monday, July 06, 2020 3:11:16 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200628R1_11, Date: 28-Jun-2020, Time: 18:07:28, ID: 2001155-04 PDI-175SC-A-02-03-200522 11.47, Description: PDI-175SC-A-02-03-200522

Tetra-Dioxins

RT. THE Height In 2 Height m1 Rep. m2 Resp. RA (1998) Base (1998) A CORD. A CORD.

Penta-Dioxins

RT mittleight m2 Height m1 Resp m2 Resp RA hivite Resp Some Some Enror

Hexa-Dioxins

Hepta-Dioxins

Miner State RT MI Height M2 Height M2 Height AM2 Reight A

Tetra-Furans

PT IN Holden WE Holden mit Rogen me Rogen inder States in Anders and An

Penta-Furans function 1

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-11.qld

Last Altered: Monday, July 06, 2020 3:09:39 PM Pacific Daylight Time Printed: Monday, July 06, 2020 3:11:16 PM Pacific Daylight Time

Name: 200628R1_11, Date: 28-Jun-2020, Time: 18:07:28, ID: 2001155-04 PDI-175SC-A-02-03-200522 11.47, Description: PDI-175SC-A-02-03-200522

Penta-Furans

Hexa-Furans

Name a start of the second start of the

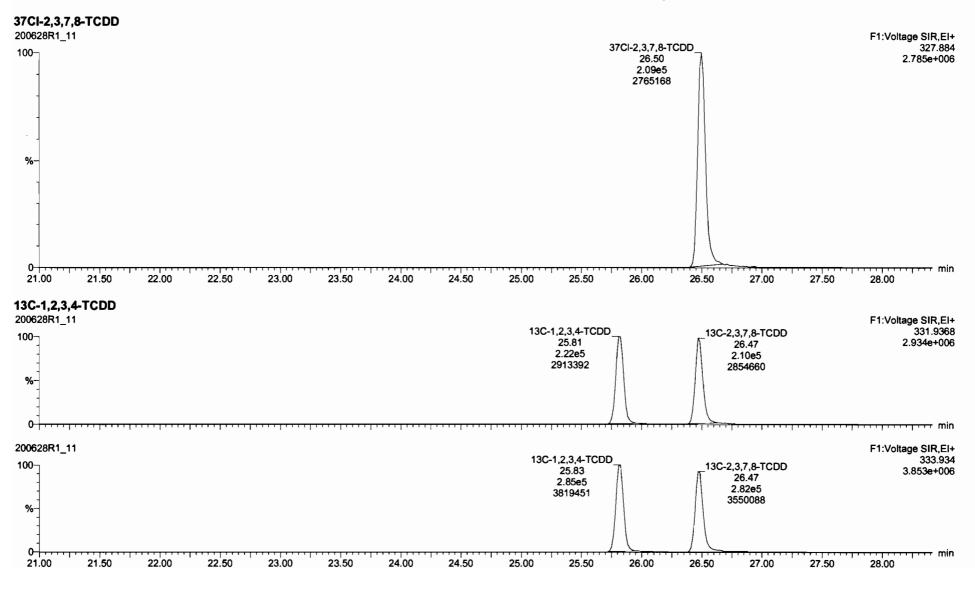
Hepta-Furans

RT MI Height M2 Height m1 Rep m2 Rest RA, marked Back Description Description Compared Back De

uantify Sam ista Analytica	al Laboratory	MassLynx	4.1 SCN815								Page 118 of 18
ataset:	Untitled										
ast Altered: rinted:			2:07 Pacific Dayli 3:35 Pacific Dayli								
ame: 200621	8R1_11, Date: 2	8-Jun-2020, T	ime: 18:07:28, II	D: 2001155-0	4 PDI-175SC	-A-02-03-200522	2 11.47, Descr	iption: PDI-17	5SC-A-02-03	3-200522	
	_					SN 25.36 ²¹ 24.82 MMMMM		-			F1:Voltage SIR,I 319.89
0	41 21.74 21.98 MWWMMMM	22.35 22.68	22.94 23.36	nMhm²	*21	24.82 MMMMMM	123.60 m	MMMM		27.61 28	.0028.20.5.079e+0
0628R1_11								26.50 2.38e2			F1:Voltage SIR,E 321.8 7.385e+0
21.02 ^{21.44}	21.54 21.93 22	.16 22.38 22.67	22.80 23.30 23	3.61 24.00 ²	24.15 24.52 <u>2</u> 4	1.60 25.12 25.23	25.68 26.03 m.M	3886 26.20 26.71	26.87 27.20	27.38 27.9 27.9	28.37
21.00 2	21.50 22.00	22.50	23.00 23.5	0 24.00	24.50	25.00 25	50 26.00	26.50	27.00	27.50	28.00
6 -2,3,7,8-T (0628R1_11 %-	CDD					13C-1,2,3,4 25.81 2,22e 291333	5		8,7,8-TCDD 6.47 10e5 54660		F1:Voltage SIR, 331.9 2.934e+(
0 + • • • • • • • •	••••••									· · · · · · · · · · · · · · · · · · ·	····
0628R1_11						13C-1,2,3,4 25.8: 2.85e 38194	5		8,7,8-TCDD 16,47 82e5 50088		F1:Voltage SIR, 333. 3.853e+(
0] 21.00 2	21.50 22.00	22.50	23.00 23.5	0 24.00	24.50	25.00 25	50 26.00	26.50	27.00	27.50	28.00

Quantify Sam Vista Analytica	· · ·	Page 119 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	

Name: 200628R1_11, Date: 28-Jun-2020, Time: 18:07:28, ID: 2001155-04 PDI-175SC-A-02-03-200522 11.47, Description: PDI-175SC-A-02-03-200522



Quantify Sam Vista Analytica	ple Report I Laboratory	MassLynx 4.1	SCN815						Page	e 120 of 18
ataset:	Untitled									
ast Altered: rinted:			7 Pacific Daylight Tin 5 Pacific Daylight Tin							
lame: 200628	3R1_11, Date: 28	-Jun-2020, Time	e: 18:07:28, ID: 200	1155-04 PDI-175SC	-A-02-03-20052	2 11.47, Descriptio	on: PDI-175	SC-A-02-03	-200522	
,2,3,7,8-PeCl 200628R1_11 100 28.60	28.83 28.98	Sr) 29.28 29.41	29.73 ^{29.82} 29.88	5N 30.17 30.14 30.25 30.34 3	^{30.60} 30.66	SN 31.16 31.02 31.2	7 31.45 31.5 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0	₩ F2:Vi	bitage SIR,E 353.857 4.944e+00 32.43
%	928.75 28.80 29.02	29.27 29.27 29.44	29.68 29.91	30.12 ^{30.18} 30.303430.40	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.92 31.15 31.27	31.56 31.6	····	32.3 1.97 32.09	mi bitage SIR,El 355.855 5 4.529e+00
28.50 3C-1,2,3,7,8-	28.75 29.00	29.25 29	.50 29.75 30).00 30.25 30	.50 30.75	31.00 31.25	31.50	31.75	32.00 32.25	32.50
200628R1_11						13C-1,2,3,7,8-PeC	_סכ		F2:V	oltage SIR,E 365.897
						31.45 1.62e5 2687978	\bigwedge			2.708e+00
100- 						31.45 1.62e5				
0		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · ·	<u>, , , , , , , , , , , , , , , , , , , </u>		31.45 1.62e5 2687978		 	•	
100 				, , , , , , , , , , , , , , , , , , , 		31.45 1.62e5			F2:V	2.708e+00

30.50

30.75

31.00

31.25

28.75

29.00

29.25

29.50

29.75

30.00

30.25

0-

28.50

32.25

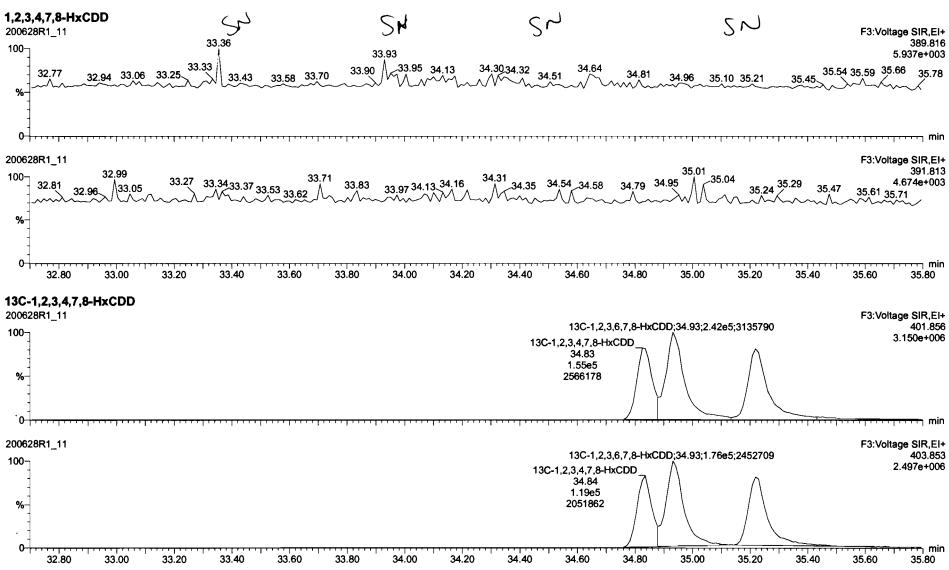
31.75

32.00

31.50

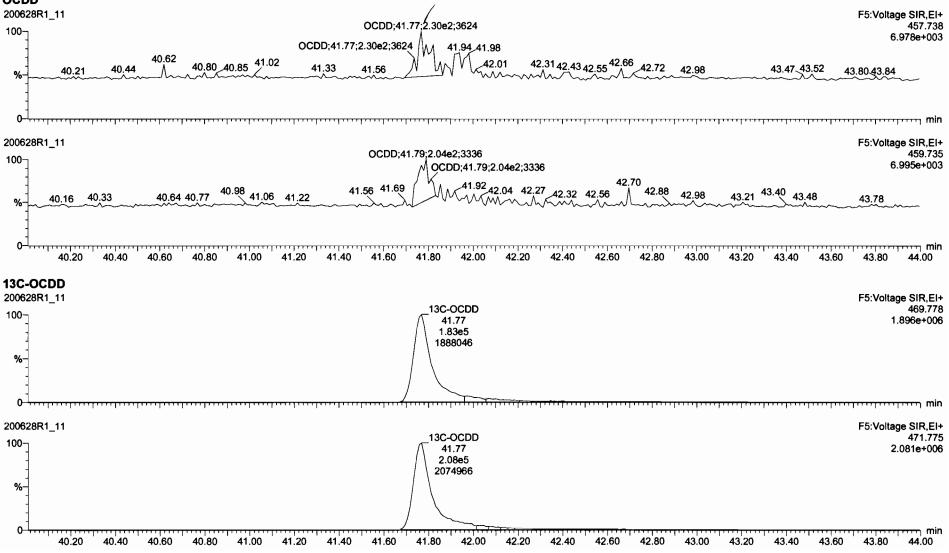
min 32.50

-	oratory	
Dataset: Untit	itled	
	nday, June 29, 2020 06:52:07 Pacific Daylight Time nday, June 29, 2020 06:58:35 Pacific Daylight Time	



Quantify Sam /ista Analytica		3CN815			Page 122 of 18
ataset:	Untitled				
ast Altered: rinted:	Monday, June 29, 2020 06:52:07 Monday, June 29, 2020 06:58:35				
ame: 20062	BR1_11, Date: 28-Jun-2020, Time	18:07:28, ID: 2001155-04 PDI-1	175SC-A-02-03-200522 11.47, De	scription: PDI-175SC-A-0	2-03-200522
2,3, 4,6 ,7,8-H		SN			
0628R1_11		37.72		52	F4:Voltage SIR,I 423.7
00 ₇		1		20.02	423.7 6.206e+0
36.22 %	42 36.66 36.8636.91 37.21	²⁴ 37.36 37.54 37.68 37.86	38.06 38.24 38.32 38.50 38.56 38.61	3.79 38.93 39.09 39.12 39.32	39.52 39.71 39.85
0					
0628R1_11					F4:Voltage SIR,
- 00			3	38.81 o 1 39.3	425.7
	1_36.47 36.6136.72 37.07 37.15 3	7.35.37.38 37.56 37.78 38.01	38.06 38.16 38.39 38.51 38.79	38.94 ^{38.99} 39.16 39.28	37 5.310e+0 39.39 39.65_39.69 39.92
%) 36.60 36.80 37.00 37.2		.00 38.20 38.40 38.60 3		.40 39.60 39.80 40.00
	7,8-HpCDD	51.40 51.00 51.00 50	.00 30.20 30.40 30.00 3	6.60 39.00 39.20 39	9.40 39.60 39.60 40.00
0628R1_11					F4:Voltage SIR,
00 -			13C-1,2,3,4,6,7,8-HpCDD 38.77	١	435.8 1.433e+0
-			1.32e5		1.4000
<u> </u>			1427738		
%					
-			/	\backslash	
0 ¹	╶╺╺╺╎╴╸╸╶┥╸╴╴╸╹		,		,
0628R1_11					E4:Voltago SIR
00-			13C-1,2,3,4,6,7,8-HpCDD 38.77		F4:Voltage SIR,I 437.8
			38.77 / 1.18e5 /		1.336e+0
-			1327477		
%					
-					
0 ¹					
36.40	0 36.60 36.80 37.00 37.20) 37.40 37.60 37.80 38	.00 38.20 38.40 38.60 3	8.80 39.00 39.20 39	9.40 39.60 39.80 40.

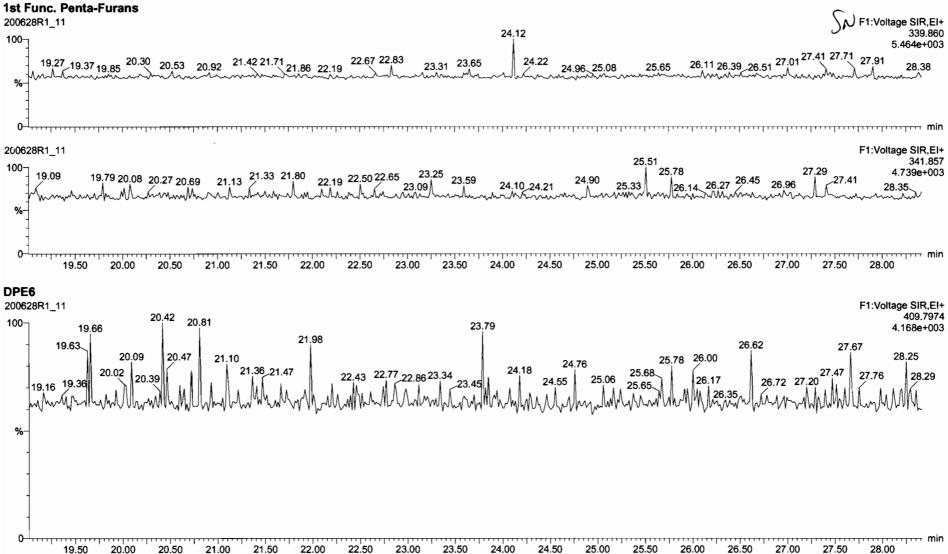
Quantify San Vista Analytica		Page 123 of 18
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	
Name: 20062	8R1_11, Date: 28-Jun-2020, Time: 18:07:28, ID: 2001155-04 PDI-175SC-A-02-03-200522 11.47, Description: PDI-175SC-A-02	2-03-200522
OCDD		



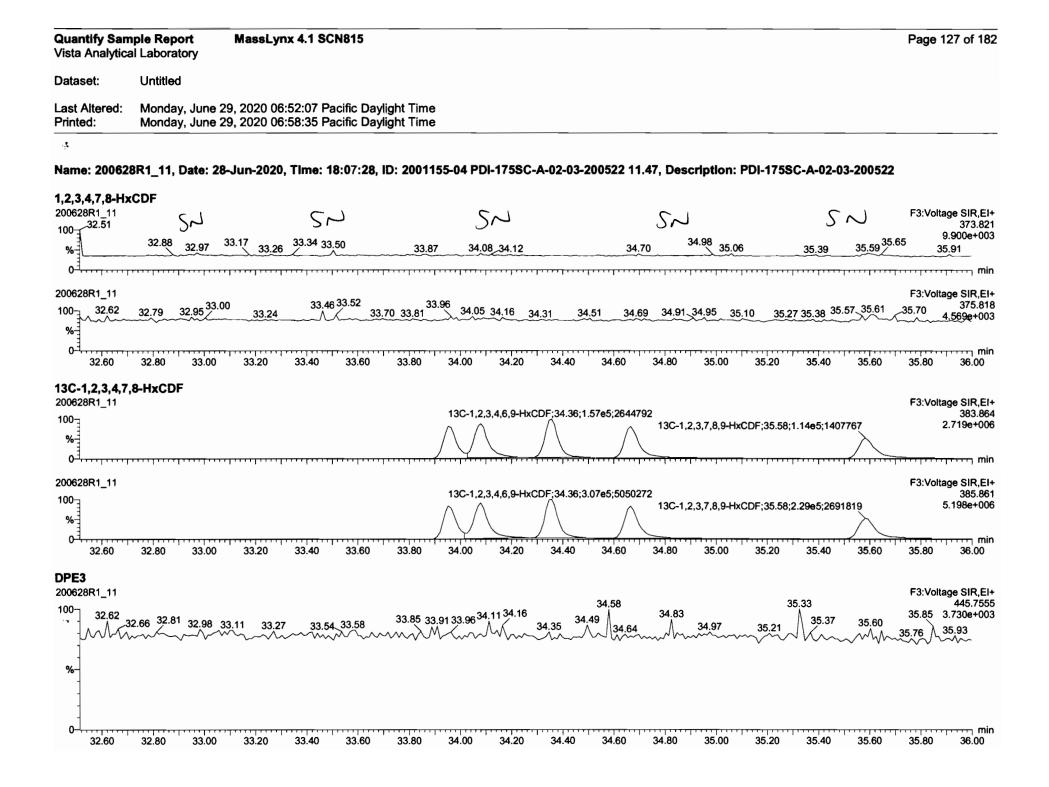
			_										_									_									×
14	公は 2021100	Trocusing	Window	- Help		• • •		×7 /							-	• • •							-	,			at satisfagayan a s		• · • • • • • • • • • • • • • • • • • •	-	# X
		•••••••••••••••••••••••••••••••••••••••	> <+ •	+{ }	+ - X	120																							_		
치	C2-20	· ·····					12 12		11		TTO OL										_	_			_						
Ξ.	2.3.7.8-TCD0	a Carlo and a second		HO	0.0003		d Landt.	. 6	C Colores	A 1000	0.120																				â
	1.2.3,7,8-PeCDD	-			0.9081						0.0723																				
; -	1.2.3.4.7.8-HorCOD			NO	1.0334	10.070					0.122																				
	1.2,3,6,7,8-HxC00				0.8923						0.119																				
	1,2,3,7,8,9-HxC00					10.070					0.148																				
	1,2,3,4,6,7,8-HpCDD			₩0	0.8639	10.070				,	0.210																				
11	2.3,7,8-TCDF			NO	0,7510	10 070				_	0 0795																				
	12378-Pecor				0.8925					<u> </u>	0.0560	-																			
i.	2,3,4,7,8-PeCDF				0.9348						0.0516																				
į.	1,2,3,4,7,8-HxCDF			ю	0.8845					-	0.0565																				
	1,2,3,6,7,8-HxCDF					10.070					0.0508																				
	2,3,4,6,7,8-HxCOF					10.070	<u> </u>	<u> </u>		<u> </u>	0.0533	_																			
	1,2,3,7,8,9-HxCDF 1,2,3,4,6,7,8-HpCDF	<u> </u>				10.070				-	0.0871	_																			
	1.2.3.4.7.8.9-HpCDF					10.070		<u> </u>		<u> </u>	0.101	-																			
	OCDF			110		10.070				<u> </u>	0.164	-																			
	13C-2,3,7,6-TC00	4.82e5	0.75	NO	1.1563	10.070	26 47	1 026	16	84.0	0.326																				
	13C-1,2,3,7,8-PeCDD	4.29e5	0.61	жo	9.8490	10 070	31.45	1.219	19	996	0.780																				
	13C-1,2,3,4,7,8-HbtCDD	2.7465	1.30	₩0		10.070		1.014		75.8	0.883																				
	13C-1,2,3,6,7,8-HbtCDD	4.1965	1.37	NO	1.0167	10.070	34.93	1.017	170	86.8	0.677																				•
	28R1_11 75SC + 02-03-200522 200 40.15 40.21 40.36 4						.08 41.		OCDD.41	.77;248.6		41.94_41	L98 42 01_42.12	42.31 4	2.43 42.55	42.66 42	42.8	9 42.98		43 30 43.47	43.52	4371.43	80.43.84	44.0;	3 44.13	H 25 44.3	0 44.40	44.61			57.738 9e+003
35					•••	,,	•••••			1				•••••••	•••••				1		··· · · · · · · · · · · · · · · · · ·				••••••		· · · · · · · · · · · · · · · · · ·				min T
2006	28R1_11													in to shall the lift ip to a rank in spo															F5	Voltage S	SIR EI+
PDI-1	75SC-A-02-03-200522 200	155-04 PDF	1758C-A-	02-03-2	200522 1	1.47																								45	59 735
1										0	CDD,41.79;29																			6.995	5e+003
												OCDD:4179	298 51,3897	42.27		42.70															
*	40.16 40.27 40.33	40.824	0 64 4	77	40.98	41.06	41.2	2 41.	39 41.45	41.56		man	42.16	hours	2.44 42.56		2.77 42.88	42.98 43.	43.21	43.40	43 48 43.5	59 43 73 .	43.78 43	943.91	44,10 44.2	44 37	4.43 44.54	44.61	44,75 44.	B4 44.91	1
33						, , ,							·····	····		,	·····				······				·····					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- mm
																														·	,
	28R1_11 75SC-A-02-03-200522 200	155.04 POL	17590-4	02.02.2	00622.1	1 47																							F5	Vollage S	
	1350-402-03-200522 200	133-04 FDF	1/380-44	02-03-2	00522 1					130-000	D:41.77;1825	5 39-188804	6																		69.778 5e+006
100												0.00,100004	•																		
%											A																				
0-4						,			,			- 1 - 1 - 1 - 1 - 1		,				•••••	1												T min
2006	28R1_11																												55	:Vollage S	
	75SC-A-02-03-200522 200	155-04 PDF	1759C-A-	02-03-2	200522 1	1.47																									71 775
100-										13C-OCD	D;41 77;2084	7 11;2074966	6																		e+006
											۵A																				
%											ASA.																				
											righter !	100		8.41. 108			_					_									_
ľ	40.20 40.4	0 40.0	50	40.80	41	.00	41.20		41.40	41.6	41 80	42 00	42.20	42.	40 42	60	42.80	43.00	43.20	43.40	43.	60	43.80	44.00	44.2	0	44.40	44.60	44.80	4	5.00
Rende																											200626R1_11		_		NUM
	÷	17			3											_		_			_				_			• • ~ •			-
	·			· .																							U	· ···			

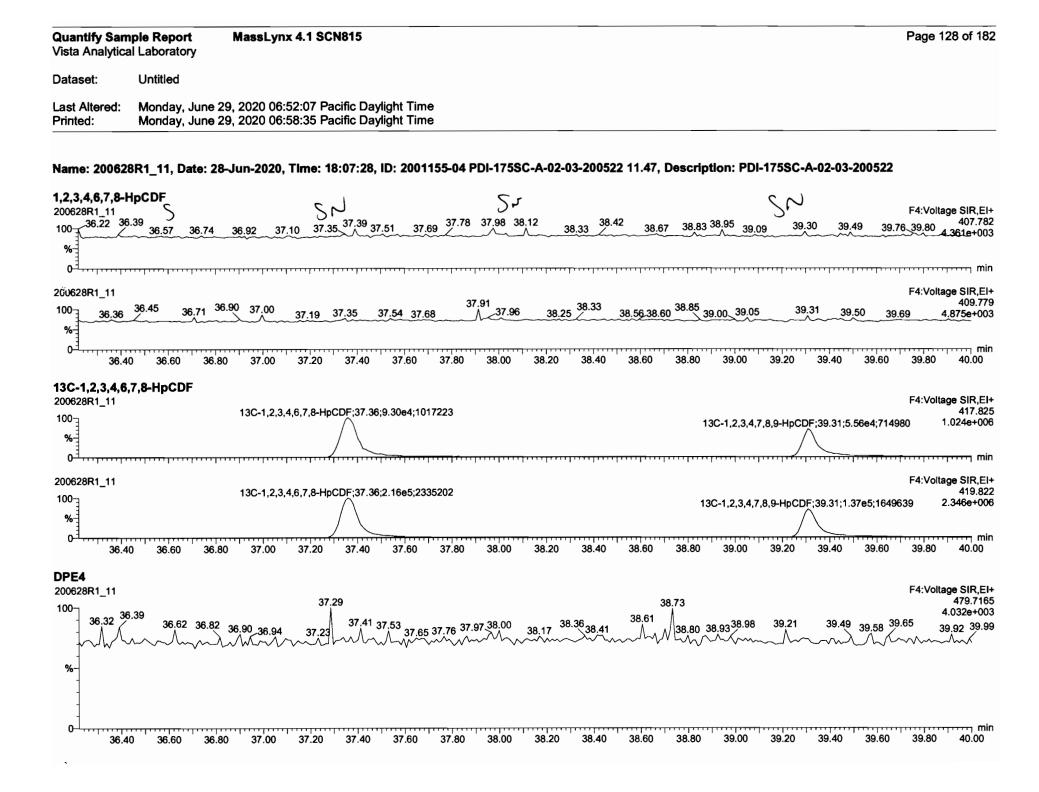
uantify Sam ista Analytica		MassLyn	x 4.1 SCI	N815												Page 124 of
ataset:	Untitled															
ast Altered: rinted:	Monday, June 2 Monday, June 2													_		
ame: 200628	R1_11, Date: 28	Jun-2020.	Time: 18	3:07:28, IC	D: 20011	55-04 P	DI-175SC	-A-02-03	-20052	22 11.47, D	escripti	on: PDI-	175SC-A	-02-03-2	00522	
3,7,8-TCDF	_	لر ٢		Sr	J		23.49 23.67	52		7 24.75		Sr	J		م 27.50	ر F1:Voltage SIR, 27.61 303.9
%	9 19.57 20.08 20.4	4 21.08 	3 21.81	21.92 	22.4322.7	0 22.98	~	24.09	24.5 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	hanne		25.85 26.1	5 20.00 	26.93		27.01
0 ⁻¹	19.99 20.48	21.2 20.63	26 21.39 2	21.81 22.16	22.61	23.19.2	3.28 23.58	24.1	24.33	24.97 25.	05 25.	72 26.09	26.17 ^{26.1}	71 27.04 2	27.34	F1:Voltage SIR 305. 27.82 4.817e+
0	····												,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
19.5		50 21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00
C-2,3,7,8-T(0628R1_11 %	JUF						13C-1,2,3,4- 24.13 3.27e5 365875	$ \land $		13C-2,3,7,8-1 25.59 2.53e5 3363476						F1:Voltage SIF 315.9 3.683e
0 ⁻¹ ····₁···· ₁ ····· ₁ ·				1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1		.		···· /···				1	F1:Voltage SIF
10 %							13C-1,2,3,4- 24.13 4.15e5 475503	\wedge		13C-2,3,7,8-1 25.59 3.33e5 4192018						317 4.78 9e (
0	0 20.00 20.	50 21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00
PE1 0628R1_11	19 _. 99															F1:Voltage SIR 375.8 6.476e+
007																
-	20.30 19.73	0,60 21,08	3 21.54	21.84 22.01	22,6	7 23	21 23.62 23	79_23.89	24,45	25.05 25.15	25.57	25,87	26.38_26.	50 _{27.01} 2	7,31 27	.68 27.83 28.25
	20.15	0.60 21.00	3 21.54 ² m	21.84 22.01	22.6	7 23. 	21 23.62 23	.79_23.89 	24.45 ~~~~~	25.05 25.15	25.57 hmm/hm	25.87 Ann M	26.38_26.4	50 27.01 ²	7.31 27 Ann	.68 ^{27.83} 28.25

Quantify Sam Vista Analytica		Page 125 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	
Name: 200628	8R1 11, Date: 28-Jun-2020, Time: 18:07:28, ID: 2001155-04 PDI-175SC-A-02-03-200522 11.47, Description: PDI-175SC-A-02-03-200522	



a Analytic	al Laborat	ory														
aset:	Untitled															
Altered: ted:), 2020 06:), 2020 06:													
ne: 20062	8R1_11, I	Date: 28-	Jun-2020,	Time: 18	:07:28, IC	D: 200115	5-04 PDI-1	175SC-A-0	2-03-2005	22 11.47,	Descripti	on: PDi-17	'5SC-A-02-	03-20052	2	
3,7,8-PeC	DF C	5			52			SN			Sr	J		Sn)	
28R1_11 28.49 28.6		20.04	9.15_29.19	29.602	29.73	29.96 30	.1830,21 30.	0	30.67 30.9	90 ^{30,99} 3	1.04 31.19	31.50 21 6	931.62_31.76	3 32.00	F2:VO	tage SII 339 5.021e
20.45 20.0			~~~~~	23.00	i h	23.30	~~~~~		~~~~~~	S.M_	h		1931.02 31.70	5 52.00		5.0216
<u> </u>			• • • • •	• • • • •		, , , , ,				, . ,	- , , , , .			• • • • • • • • • • • • • • • • • • • •		
28R1_11 28.48		28.00	29.3029	36 20 40 2	9.59	9.88 ^{29.94}	30.17 3		30.58		31 21 24	ae 31.60	31.77 31.9	2 21 08 00	F2:Vol	tage SII 34
	28.70 28.84	28.99 29.	21	~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		30.17 3	0.46_30.50	30.87	31.01_31.05	31.21 31	.30	$\sim\sim\sim\sim$	31.98 32	.12 32.35	\4.196e
28.50	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32
		, , , , , , , , , , , , , , , , , , , 				2,3,7,8-PeCl 30.17 3.53e5 5771801		, , , , , ,	3 3.	4,7,8-PeCDF 1.15 67e5 86490	\bigwedge	·····				6.133e
28R1_11												[F2:Vo	tage Sli
3						2,3,7,8-PeCl 30.17				4,7,8-PeCDF 1.15	7					353 3.938e
						2.31e5				29e5 97877						
28.50	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.
2																
28R1_11	2	8.92					30.	24						22.04	F2:Vol	tage Sli 409
28		1 2	9.15 29.28 2	9.36 29	.68 29.79	30.0			60 30,8	3 _{30 95} 31,0	7	od do 31.60	31.77 31.82	32.01 32.	17 32.23	3.785e
28.60 28.	hul		M	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	$-\lambda$	\sim	\sim	hm	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	\sim	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	31.40 ×	~	.89	MC	32.433 M~<
-																
-																
-																
1																





sta Analytica	i ple Report I Il Laboratory	MassLynx 4.1 S	0010												Page 1	29 of 7
ataset:	Untitled															
st Altered: inted:	Monday, June 29, Monday, June 29,															
ime: 20062	BR1_11, Date: 28-J	un-2020, Time:	18:07:28, ID:	2001155	-04 PDI-1	175SC-A-0	02-03-2	200522 1	1.47, De	escriptio	n: PDI-'	175SC-A	-02-03-	200522		
CDF 0628R1 11				52											F5:Volta	
	0.43 40.60 40.64	40.94 41.09 41.30	41.51	85 41.96	42.19 42	.25.42.40	42.71	42.83 43.06	43.25	43.41 43.62	43,74	43.87	44.20	44,42	11 93	441.
%-						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							~~~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
0 ¹ F0						•••••					, , , , , ,	· · · · · · ·			• • • • • • •	
0628R1_11	40.50	44 -	41.	84 41,9341.9	oc 42 16	10.10		12 98	40.00		43	.93 44.10	44 28		F5:Volta	ge SIR 443
40.15	40.43 40.50 40.74	40.94 41.14 41.3	36 41.73	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	96 42.10	42.46 42.	63	42.98 43.17	43.22	43.43 43	62 43	.93 44.10	44.20 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	44.42 4	4.62	.455e
6-1																
40.2	5 40.50 40.75	41.00 41.25	41.50 41.7	5 42.00	42.25	42.50	42.75	43.00	43.25	43.50	43.75	44.00	44.25	44.50	44.75	45.0
C-OCDF																
0628R1_11			120 0005	. 44 05-0 05											F5:Volta	oe SIR
						`										
0-]			13C-0CDF	-;41.95;2.25 /	e5;2347060)										453.
0			13C-0CDr	-;41.95;2.25	e5;2347060)										453.
0 6 				-;41.95;2.25	e5;2347060) 	• • • •	, , , , , , , , , , , , , , , , , , , 				.,,,,,,,,,,		• • • • • •	2	453. 2.357e
0 		 		;41.95;2.25	<u></u>		•••	, , , , , , , ,				-,, <u>,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-, , , , ,	•••		453.3 2.357e-
0 		· · · · · · · · · · · · · · · · · · ·			<u></u>		, , , , .	• • • • • •					.	•••	2 F5:Volta	453.7 2.357e- ge SIF 455
0 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1		•••			<u></u>		•••••••••	╷╶╌╌╴╴╴╴╸╸	· · · · · ·		· · · · · ·			· · · · · · ·	2 F5:Volta	453. 2.357e ge SIF 455 2.646e
0 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1	5 40.50 40.75	41.00 41.25		;41.95;2.51	e5;2640924		42.75	43.00	43.25	43.50	43.75		44.25	•••• 44.50	2 F5:Volta	453. 2.357e ge SIF 455 2.646e
0 6 6 6 6 6 28 8 1 11 0 	5 40.50 40.75	41.00 41.25	13C-OCDF	;41.95;2.51	e5;2640924	• • • • • • • • • •	42.75	43.00	43.25	43.50	+ + +	-, , , , , , , , , , , , , , , , , , ,	44.25	•••• ••• 44.50	2 F5:Volta 2	453. 2.357e ge SIF 455 2.646e
0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 40.50 40.75	41.00 41.25	13C-OCDF	;41.95;2.51	e5;2640924	• • • • • • • • • •	42.75	43.00		43.42	43.75	-, , , , , , , , , , , , , , , , , , ,	44.25		2 F5:Volta 2	453. 2.357e ge SIF 455 2.646e 45.
0 628R1_11 0 40.2 2 2 2 2 2 2 2 2 2 2 2 3 3 4 0 - - - - - - - - - - - - -			13C-OCDF 41.50 41.7	5 42.00	e5;2640924	4 42.50				43.42		44.05			2 F5:Volta 2 44.75 F5:Volta	453.5 2.357e- ge SIR 455 2.646e- 45.0 9e SIR 513.0
0 0 0 0 0 0 0 0 0 0 40.2 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2			13C-OCDF 41.50 41.7	5 42.00	e5;2640924	4 42.50				43.42		44.05			2 F5:Volta 2 44.75 F5:Volta	453.7 2.357e4 ge SIR 455 2.646e4 45.0 9 9 513.0 1.549e4
0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 40.50 40.75 40.35 40.66 40.71 ⁴⁰		13C-OCDF 41.50 41.7	5 42.00	e5;2640924	4 42.50				43.42		44.05			2 F5:Volta 2 44.75 F5:Volta	453.5 2.357e- ge SIR 455 2.646e- 45.0 9e SIR 513.0
0 628R1_11 0 40.2 2 2 2 2 2 2 2 2 2 2 2 3 3 4 0 - - - - - - - - - - - - -			13C-OCDF 41.50 41.7	5 42.00	e5;2640924	4 42.50				43.42		44.05			2 F5:Volta 2 44.75 F5:Volta	453.5 2.357e- ge SIR 455 2.646e- 45.0 9e SIR 513.0
0 6 6 1 0 0 0 0 0 0 0 0 0 0 0 0 0			13C-OCDF 41.50 41.7	5 42.00	e5;2640924	4 42.50				43.42		44.05			2 F5:Volta 2 44.75 F5:Volta	453.5 2.357e- ge SIR 455 2.646e- 45.0 9e SIR 513.0

Work Order 2001155

/ista Analytica	ple Report I Laboratory	MassLyn>	4.1 SCN8	815								Page 130 o
)ataset:	Untitled											
ast Altered: Printed:	Monday, June 29 Monday, June 29											
lama: 200629	3R1_11, Date: 28-	hun 2020 -	Time: 19:0	7.20 10. 200	1165 04 DDI	1759C A 02	02 200522 44	47 Deceda	tion: PDI 1	7680 4 02	02 200522	
FK1	5K1_11, Date. 20-	-Jun-2020,	1 me. 10.u	17.20, ID. 200	1155-04 PDI-	17336-A-02-	UJ-ZUUJZZ II	.47, Descrip		7556-4-02	-03-200322	
00628R1_11	20.02.20.11 20	.80.20.87 20.9	5 21.32 21.7	7 21.98 22.41	22.62 24.:	21;1.30e4;16362	8 25.59;2 24.42	.66e4;240546	25.94 26.12	26.24 27	7.19.27.26	F1:Voltage SI 28.01 316
%												
0-1,,,,,,,,,,,,,, 19.5	0 20.00 20.5	0 21.00	21.50	22.00 22.50	23.00	23.50 24.00	24.50 2	5.00 25.50	26.00	26.50 2	7.00 27.50) 28.00
FK2 00628R1_11 00⊐ 28.69·4.49		29.38	29 1.4	9.68 47e4		o oc 30 72:7	.12e3;183789 3 [,]	1.02 31.30	31.34 31.44	31.85;6.25e	4;467932 32	F2:Voltage SI 09 366 32.27 1.613e
% 28.69;4.4§	9e4;641323 29.02		.9.44 18	4077 30	.00_30.17_3	0.35 30.72;7	.1260,100709 3	1.02 31.30	51.34		n L	32.27 1.613
0 ⁻¹ 28.50	28.75 29.00	29.25	29.50	29.75 30	.00 30.25	30.50	30.75 31	.00 31.25	31.50	31.75	32.00	32.25 32
FK3 0628R1_11 00 ₇	33.05;7.52e5;	<u>3</u> 167605		33.75 33.81		34.19 34.44;3.1	7e4;521828		35.05	35.27	35.58	F3:Voltage SI 35.91380 7.8566
32.51 %												7.856
0 ⁻¹	32.80 33.00	33.20	33.40 3	33.60 33.80	34.00	34.20 34.·	40 34.60	34.80 3	5.00 35.	20 35.40	35.60	35.80 36
F K4)0628R1_11												F4:Voltage SI
	36.65;5.91e5;1467396	36.97	37.19	37.50	37.90	38.09	38.42 38.6	38.74	38.99	39.23 39	9.48 39.	400
% <u>-<u>36.32</u></u>		****			· · · · · · · · · · · · · · · · · · ·	****					····	
36.40	. '' ''			37.40 37.60		8.00 38.20	38.40 38.		39.00	39.20 39.		39.80 40
F K5 90628R1_11	40.44 4.55e5 40.44;4.55 998972	ie5;998972			42.04 42.26	42	.93;2.92e5;82613	0				F5:Voltage SI 454

40.25 40.50 40.75 41.00 41.25 41.50 41.75 42.00 42.25 42.50 42.75 43.00 43.25 43.50 43.75 44.00 44.25 44.50 44.75 45.00

Quantify Sam Vista Analytica	iple Summary Report al Laboratory	MassLynx 4.1 SCN815	
Dataset:	U:\VG12.PRO\Results\20	00628R1\200628R1-12B.qld	
Last Altered: Printed:		2:57:13 PM Pacific Daylight Time 2:57:56 PM Pacific Daylight Time	

Method: Untitled 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200628R1_12, Date: 28-Jun-2020, Time: 18:53:39, ID: B0F0086-DUP2 Duplicate 1,1.49, Description: Duplicate

	# Name	Resp	RA	n/y	RRF	GHD wt/vol	01/09	RT	Pred.RRT	RRT	Conc.	%Rec	- DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.888	+1.490-10.0	26.515		1.001				0.124	
2	2 1,2,3,7,8-PeCDD			NO	0.908	11.490	31.473		1.001				0.106	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	11.490	34.846		1.000				0.135	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	11.490	34,942		1.000				0.121	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	11.490	35.241		1.000				0.150	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.864	11.490	38.778		1.000				0.300	
7.	7 OCDD	1.83e3	0.86	NO	0.914	11.490	41.759	41.77	1.000	1.000	1.8948		0.307	1.89
8	8 2,3,7,8-TCDF			NO	0.751	11.490	25.612		1.001				0.0742	
9	9 1,2,3,7,8-PeCDF			NO	0.893	11.490	30.190		1.001				0.0473	••••
10	10 2,3,4,7,8-PeCDF			NO	0.935	11.490	31.192		1.001				0.0410	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	11.490	33.962		1.000				0.0613	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	11.490	34.089		1.000				0.0594	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	11.490	34.700		1.001				0.0639	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	11.490	35.581		1.000				0.0978	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	11.490	37.408		1.001				0.138	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	11.490	39.320		1.000				0.179	
17	17 OCDF			NO	0.806	11.490	41.950		1.000				0.159	
18	18 13C-2,3,7,8-TCDD	5.05e5	0.77	NO	1.16	11.490	26.507	26.48	1.026	1.025	164.70	83.1	0.321	
19	19 13C-1,2,3,7,8-PeCDD	4.52e5	0.66	NO	0.849	11.490	31.692	31.45	1.227	1.218	200.72	101	0.510	
20	20 13C-1,2,3,4,7,8-HxCDD	2.97e5	1.26	NO	0.779	11.490	34.840	34.84	1.014	1.014	156.64	79.0	1.19	
21	21 13C-1,2,3,6,7,8-HxCDD	4.25e5	1.17	NO	1.02	11.490	34.954	34.94	1.017	1.017	171.48	86.5	0.909	
22	22 13C-1,2,3,7,8,9-HxCDD	3.70e5	1.10	NO	0.903	11.490	35.225	35.23	1.025	1.025	168.34	84.9	1.02	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.57e5	1.07	NO	0.689	11.490	38.750	38.77	1.128	1.128	153.13	77.2	0.770	
24	24 13C-OCDD	4.19e5	0.92	NO	0.652	11.490	41.773	41.76	1.216	1.215	263.44	66.4	1.07	
25	25 13C-2,3,7,8-TCDF	5.68e5	0.77	NO	1.06	11.490	25.549	25.59	0.989	0.991	139.92	70.6	0.493	
26	26 13C-1,2,3,7,8-PeCDF	6.22e5	1.62	NO	0.838	11.490	30.076	30.17	1.165	1.168	193.76	97.7	0.786	
27	27 13C-2,3,4,7,8-PeCDF	6.50e5	1.60	NO	0.817	11.490	31.029	31.16	1.202	1.207	207.71	105	0.807	
28	28 13C-1,2,3,4,7,8-HxCDF	3.96e5	0.51	NO	1.01	11.490	33.971	33.96	0.989	0.989	161.31	81.4	1.04	
29	29 13C-1,2,3,6,7,8-HxCDF	4.72e5	0.52	NO	1.17	11.490	34.095	34.08	0.992	0.992	165.94	83.7	0.899	
30	30 13C-2,3,4,6,7,8-HxCDF	4.39e5	0.51	NO	1.02	11 yebo V	34.669	34.67	1.009	1.009	176.41	89.0	1.03	

Page 1 of 2

GRB 07/09/2020 C7 07/09/2020

٠,

۰.

Quantify Sample Summary Report MassLynx 4.1 SCN815 Vista Analytical Laboratory MassLynx 4.1 SCN815

Page 2 of 2

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-12B.qld

Last Altered:	Thursday, July 09, 2020 2:57:13 PM Pacific Daylight Time
Printed:	Thursday, July 09, 2020 2:57:56 PM Pacific Daylight Time

	_ /					GHD	07/09/	2020	•	•				
	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	3.52e5	0.50	NO	0.860	1149010	.0875.569	35.58	1.035	1.036	167.91	84.7	1.22	
32	32 13C-1,2,3,4,6,7,8-HpCDF	3.27e5	0.42	NO	0.774	11.490	37.317	37.37	1.086	1.088	173.02	87.3	0.985	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.11e5	0.45	NO	0.521	11.490	39.348	39.32	1.145	1.144	166.27	83.9	1.46	
34	34 13C-OCDF	5.06e5	0.84	NO	0.746	11.490	41.945	41.95	1.221	1.221	278.27	70.2	0.827	
35	35 37CI-2,3,7,8-TCDD	1.92e5			1.04	11.490	26.538	26.51	1.028	1.027	70.017	88.3	0.158	
36	36 13C-1,2,3,4-TCDD	5.26e5	0.79	NO	1.00	11.490	25.890	25.83	1.000	1.000	198.27	100	0.371	
37	37 13C-1,2,3,4-TCDF	7.60e5	0.80	NO	1.00	11.490	24.360	24.13	1.000	1.000	198.27	100	0.522	
38	38 13C-1,2,3,4,6,9-HxCDF	4.83e5	0.52	NO	1.00	11.490	34.420	34.36	1.000	1.000	198.27	100	1.05	
39	39 Total Tetra-Dioxins				0.888	11.490	24.620		0.000				0.0753	
40	40 Total Penta-Dioxins				0.908	11.490	29.960		0.000				0.0559	
41	41 Total Hexa-Dioxins				0.892	11.490	33.635		0.000		0.00000		0.0751	0.236
42	42 Total Hepta-Dioxins				0.864	11.490	37.640		0.000				0.179	
43	43 Total Tetra-Furans				0.751	11.490	23.610		0.000				0.0255	
44	44 1st Func. Penta-Furans				0.893	11.490	27.580		0.000				0.0175	
45	45 Total Penta-Furans				0.893	11.490	29.275		0.000				0.0207	
46	46 Total Hexa-Furans				0.934	11.490	33.555		0.000				0.0385	
47	47 Total Hepta-Furans				0.873	11.000	37.835		0.000				0.0815	

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-12B.qld

Last Altered:Thursday, July 09, 2020 2:57:13 PM Pacific Daylight TimePrinted:Thursday, July 09, 2020 2:57:56 PM Pacific Daylight Time

Method: Untitled 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200628R1_12, Date: 28-Jun-2020, Time: 18:53:39, ID: B0F0086-DUP2 Duplicate 11.49, Description: Duplicate

Tetra-Dioxins

Name	RT	m1 Height m2 Height	m1 Resp m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1									

Penta-Dioxins

Γ	Name	RT	m1 Height m2 Height	m1 Resp m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
ŀ	1									

Hexa-Dioxins

Name	RT	m1 Height m2 Height	m1 Resp m2 R	esp RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hexa-Dioxins	33.35	5.150e3 4.367e3	2.138e2 2.04	e2 1.0	5 YES	0.000e0	0.00000	0.23556	0.140

Hepta-Dioxins

Name	::: * RT	m1 Height m2 Height	m1 Resp m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1									

Tetra-Furans

Name	RT	m1 Height m2 Height	m1 Resp m2 Resp	RA r	n/y Resp	Conc.	EMPC	DL
1								

Penta-Furans function 1

Name	RT	m1 Height m2 Height	m1 Resp m2 Resp	RA n/y	Resp	Conc.	EMPC	DL
1								

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-12B.qld

Last Altered: Thursday, July 09, 2020 2:57:13 PM Pacific Daylight Time Thursday, July 09, 2020 2:57:56 PM Pacific Daylight Time

Name: 200628R1_12, Date: 28-Jun-2020, Time: 18:53:39, ID: B0F0086-DUP2 Duplicate 11.49, Description: Duplicate

Penta-Furans

Name	RT	m1 Height m2 H	leight m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1										

Hexa-Furans

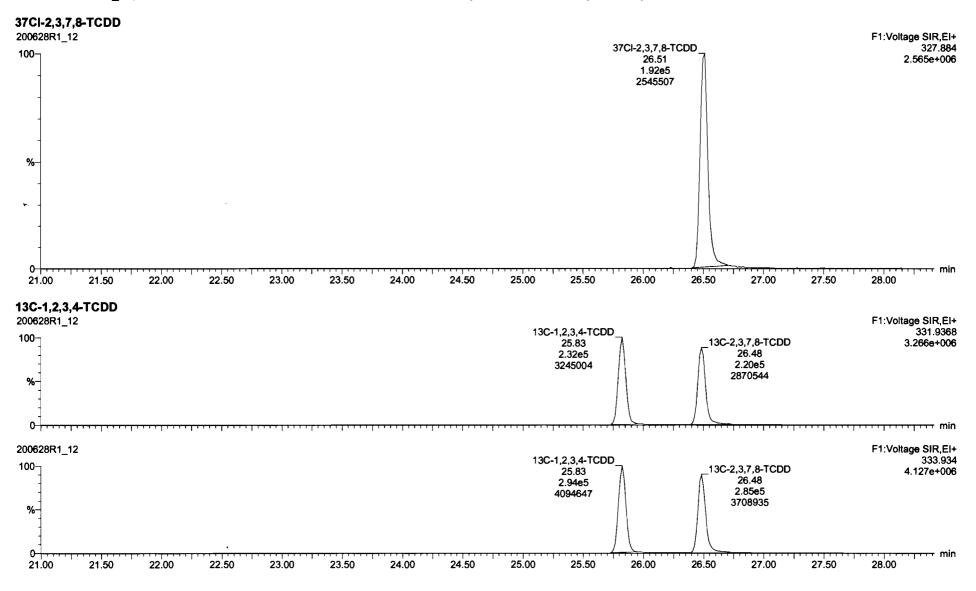
Name	RT	m1 Height m2 Height	m1 Resp m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1									

Hepta-Furans

Name	RT	m1 Height m2 Height	m1Respm2Re	p RA	n/y	Resp	Conc.	EMPC	DL
1									

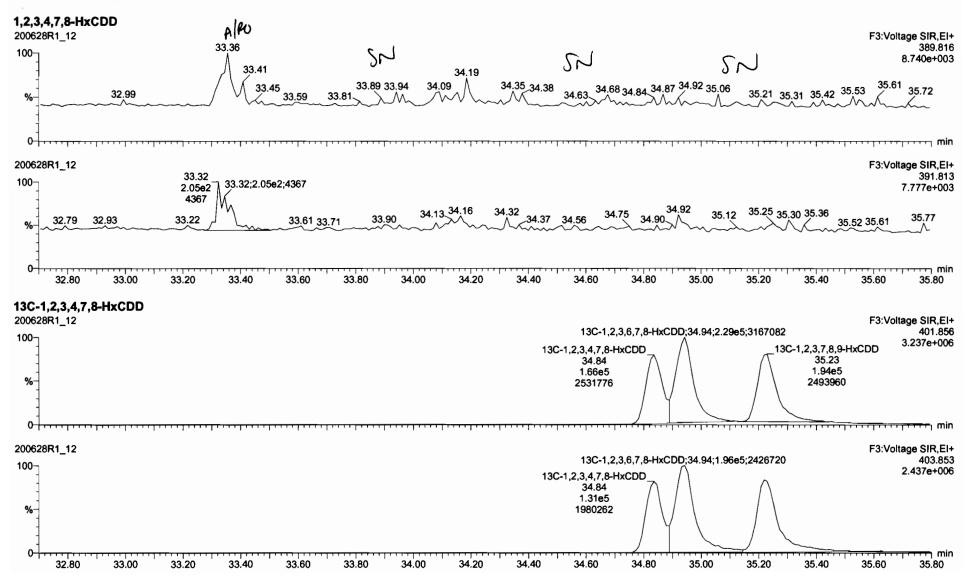
	n ple Report In Advised Advis	MassLynx 4.1 SC	5N815				Page 131 of 1
ataset:	Untitled						
ast Altered: inted:			acific Daylight Time acific Daylight Time				
ame: 20062	8R1_12, Date: 28-Ju	un-2020, Time: 1	8:53:39, ID: B0F008	6-DUP2 Duplicate 11	.49, Description: Dup	licate	
3,7,8-TCDD 0628R1_12	Sr	٢	\mathbf{S}	SN	SN	5 ، ۲۲	F1:Voltage SIR,I
21.04 21.33 %	5 ^{21.69} 21.83 22.07	22.41 · 22.73 23.0 MMMMMM	07 23.19 23.68 23.91	24.13.24.21 24.91	25.12 25.24 25.77 25.87	SN 5 27.02 26.27 26.50 26.72 26.27 26.50 26.72 27.11 27.11 27.56 27.56	⁶ 27.89 28.19 5.5936+0
0628R1_12							F1:Voltage SIR,I
00						26.53 2.75e2 5491	321.8 9.147e+0
0	1.56 21.81 21.93 22.2?	22.55 22.55 22.55 22.50 23.00	·····	·····	97 25.26 25.77 25.77 97 25.26 25.77 25.77 97 25.26 26.0 90 25.50 26.0	·····	27.79.27.86 ^{28.34}
	000						
3C-2,3,7,8-T 0628R1_12							F1:Voltage SIR,I
					13C-1,2,3,4-TCDD 25.83 2.32e5 3245004	13C-2,3,7,8-TCDD 26.48 2.20e5 2870544	F1:Voltage SIR,I 331.93 3.266e+0
0628R1_12	·····			•••••	25.83 2.32e5	26.48 2.20e5	331.93 3.266 0 +(
0628R1_12	·····		••••		25.83 2.32e5	26.48 2.20e5	331.93

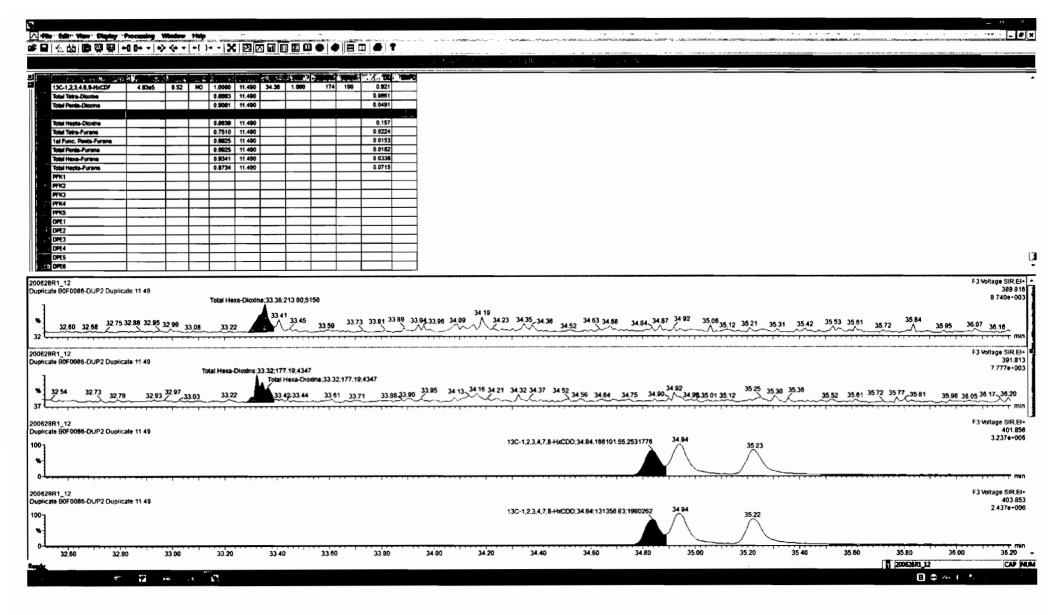
Quantify Sam Vista Analytica		Page 132 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	



uantify San ista Analytica	n ple Repo al Laborat	ort ory	MassLyn	x 4.1 SCN	1815										Page	133 OF 18
ataset:	Untitled															
ast Altered: rinted:					ific Dayligh											
ame: 20062	BR1_12, I	Date: 28-	Jun-2020,	Time: 18:	:53:39, ID:	B0F0086	5-DUP2 Du	uplicate 1 ⁴	1.49, Desc	cription: I	Duplicate					
2,3,7,8-PeC	DD		c				C									
0628R1_12			درک		Sr) 29.76	30.1	(5 7 ^{30.20}		SY	•	G 31,16	37 31.44	21			age SIR,I 353.85 5.502e+0
28.60 %-	28.8	9328.99 XA	29.22 	.38 29.57	2.73	29.92	J 30.23 -	30.41 30.47	30.69 30.7	8 30.98	/ <u>31.24</u> ³¹	13731.44 V/m	31.82 ^{31.8}	32.05	32.17 32.29	32.37
0					• • • • • •	· · · · · ·			· · · · · · · ·			· · · · · ·	.,, <u>,</u> ,,,			n
0628R1_12							30.25					31.47				age SIR,E 355.85
-	28.77 28	29.02	29.25	29.42 / 29.50	29.71 29.8	5 20.06	30.18 30.2	29 30.60	30 70 20 7	- 31.04	31.16 1 31.19		1.63 31.71 3	1.85 32	10	
28.5828.61	28.77 28	Å	29.25	29.42		5 30.06	30.18 30.2	29 30.60 /////	30.70 30.7	5 31.04	31.16 _{31.19}		1.63 31.71 3	91.85 32		
28.58 28.61	28.77 28	Å	29.25	٨		5 30.06 30.00	30.18 30.2	29 30.60	30.70 30.7 30.7 30.75	5 31.04 5 31.04 31.00	31.16 31.19 31.25		1.63 ^{31.71} 3	31.85 32 	10	5.795e+0 32.46
28.5828.61 0 28.50 3C-1,2,3,7,8	28.75		⁹ 29.25	29.5	9	30.06	30.18 30.2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~		~/\3	1.31		·····	32.38	32.46
28.5828.61 28.50 C-1,2,3,7,8 0628R1_12	28.75		⁹ 29.25	29.5	9	30.06	30.18 30.2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~	5 31.00 31.00	~/\3	1.31 31.50		·····	2.18 32.38 32.25 F2:Volt	32.46 32.50 32.50 age SIR,1 365.89
28.5828.61 28.50 C-1,2,3,7,8 0628R1_12	28.75		⁹ 29.25	29.5	9	30.06	30.18 30.2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~	5 31.00 31.00	31.25 ,2,3,7,8-PeCE 31.45 1.79e5	1.31 31.50		·····	2.18 32.38 32.25 F2:Volt	32.46 32.50 age SIR, 365.89 2.705e+(
28.58 ^{28.61} 28.50 C-1,2,3,7,8 0 C-1,2,3,7,8 0 0 0 0 0 0 0 0 0 0 0 0 0	28.75		⁹ 29.25	29.5	9	30.06	30.18 30.2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~	5 010,7 31.00 13C-1, 13C-1,	31.25 ,2,3,7,8-PeCE 31.45 1.79e5	1.31 31.50		·····	2.18 32.38 32.25 F2:Volt	32.46 32.5 age SIR, 365.8 2.705e+1 age SIR, 367.1
%- 0	28.75		⁹ 29.25	29.5	9	30.06	30.18 30.2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~	5 010,7 31.00 13C-1, 13C-1,	,2,3,7,8-PeCE 31.45 1.79e5 2698965 ,2,3,7,8-PeCE 31.45 2,3,7,8-PeCE 31.45 2,72e5	1.31 31.50		·····	2.18 32.38 32.25 F2:Volt	32.46

Quantify Sam Vista Analytica		Page 134 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	





	nple Report MassLynx 4.1 SCN815 al Laboratory	Page 135 of 182
Dataset:	Untitled	
ast Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	
	8R1_12, Date: 28-Jun-2020, Time: 18:53:39, ID: B0F0086-DUP2 Duplicate 11.49, Description: Duplicate	
l ,2,3,4,6,7,8-1 200628R1_12	10P	F4:Voltage SIR,EI+
36.22	$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$	423.777 7.089e+003 9.56 ^{39.63} 39.79 39.82
%-~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
%-{		
%-{~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	37.76;3.24e2;3752 √€€	

13C-1,2,3,4,6,7,8-HpCDD

36.40

36.60

36.80

37.20

37.00

TTTTT

37.40

77777777

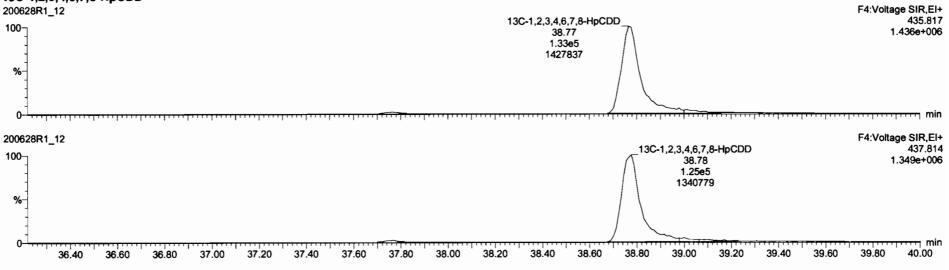
37.60

....

37.80

38.00

0-



.....

38.40

38.60

38.80

39.00

39.20

38.20

39.60

39.80

40.00

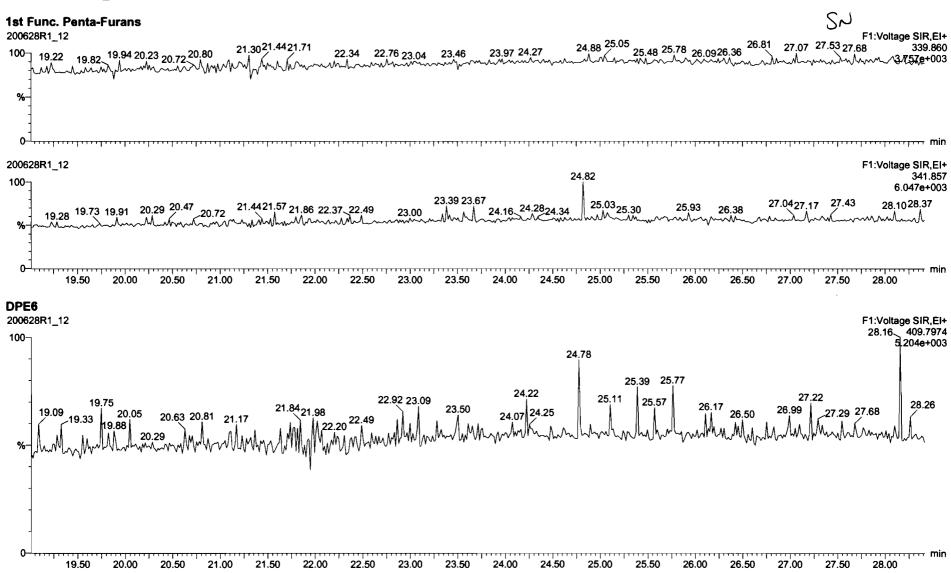
39.40

	nple Report al Laboratory	MassLynx 4.1 SCN815					Page 136 of 1
ataset:	Untitled						
ast Altered: rinted:		29, 2020 06:52:07 Pacific I 29, 2020 06:58:35 Pacific I					
ame: 20062	8R1_12, Date: 2	8-Jun-2020, Time: 18:53::	39, ID: B0F0086-DUP2 Du	plicate 11.49, Descr	iption: Duplicate		
CDD 10628R1_12							
00- -			OCDD 41.77 7.14e2 10660	77 le2			F5:Voltage SIR,E 457.7 1.439e+0
% 40.	22		10650 106	42.00	2.47 42.57 42.79	43.02	43.56
0-4					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		۳ F5:Voltage SIR,I
00 1 1 8		40.87	OCDD 41.78 5.65e2 8153 41.78 15.65e2 8153	2	⁴ 42.57 42.76 42.83		459.7 1.376e+0
40.2 0				42.00 42.20 42.40	····	43.05 43.23 4 3.00 43.20 43.40	13.55 43.60 43.80 44.00
0628R1_12							EE:Voltage SIR
%-]			13C-OCDD_ 41.76 2.01e5 1922313				F5:Voltage SIR,E 469.7 1.931e+0
0 ⁻¹						·····	
00628R1_12			13C-OCDD_ 41.76 2.18e5 2036853				F5:Voltage SIR, 471.7 2.050e+0

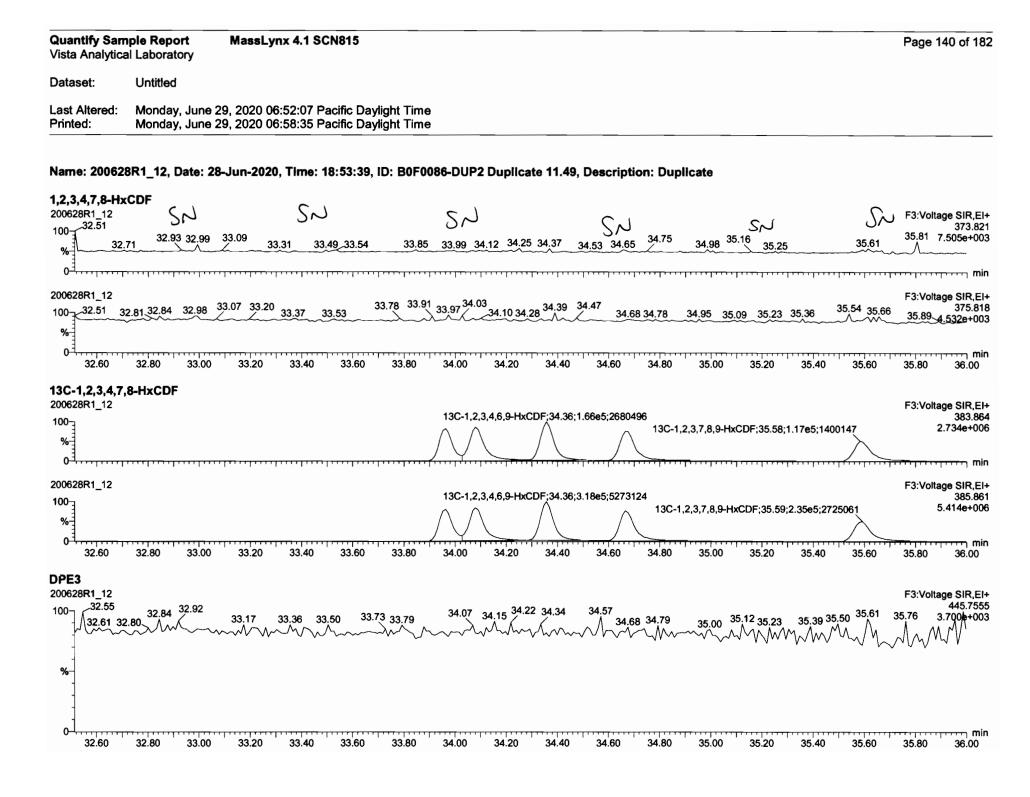
		A														., .								· · · · · · · · · · · · · · · · · · ·	
	Lada Deploy						i m										ial annual terr	·							- (# X
				<u>, , , , , , , , , , , , , , , , , , , </u>																					
						_								3 Mar - 14 -							_				
븹	San State State	Real States				Sailin .	A				PC .														
	2,3,7,6-TCD0	-		0.8863						0.109	_														
	1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD	+		0.9081						0.0927	-														
	1.2.3,6,7,8-HxC00	+ +								0.106	-														
	1,2,3,7,8,9-HxCDD		100	-	11.490					0.132															
	1,2,3,4,6,7,8-HpC00			0.8639						0.264															
		!						1.1.1	· · ·	i															
	2,3,7,8-TCDF			0.7510		\vdash				0 0651	-														
	1.2.3,7,8-PeCOF			0.8925			+			0.0415	-														
	1,2,3,4,7,8-HxC0F	+ -+								0.0538	-														
	1.2.3,6,7,8-HxCDF	+ +			11.490					0 0521	-														
1.2	2,3,4,6,7,8-HxCDF		NO		11.490					0 0561															
	1,2,3,7,8,9-HxCOF			0.8707	11.490					0 0859															
	1.2.3,4,6,7,8-HpCDF		HO		11.490					0.121	_														
	1,2,3,4,7,8.9-HpCDF OCDF		HO HO		11.490 11.490					0.157	-														
	13C-2,3,7,6-TCDD	5.05e5	0.77 HO		11.490	26 48	1 025	145	83.1	0.282	-														
	13C-12,3,7,8-PeC00		0 66 HO		11.490		1 218		101	0 448	-														
	13C-1.2,3,4,7,8-HbcDD		1.26 140				1.014	138		1.04															
	13C-1.2,3,6,7,8-HxCDD	4.2565	1.17 NO	1.0167	11.490	34.94	1.017	151	86.5	0.796															•
20062	28R1_12																		_						F5:Voltage SIR.EI+
Duplic	ate 80F0086-DUP2 Dupli	cale 11 49																							457.738
100]									OCDD:	1.77;844.47;															1.439e+004
11							OCD	DD;41.77;8	44 47:112	7 4 🛦 🛛 🔿	CDD,41.77;8	4 47, 11274													
*	40.22									Mark	m A		42.28	47 42.57	2.54 42.79 4	2.83 43.02			43,56			44.1844.20			44.89
1.0																		·····							min
																			· · · · · · · · · · · · · · · · · · ·						
	28R1_12 cate B0F0086-DUP2 Dupli	calo 11 40																							F5:Voltage SIR.EJ+ 459 735
		Cale 11.49							0000	1.78;983.92	10323														1.376e+004
1003										AL 00	DD;41.78;98	3.92:10323													
x				40.87			OCD	D;41.78;98	3 92,1032				42.	41 42 57	42.76 42.83	43.05	43.23		43.55			44.21		44.55	
1.1	40.21	40.57		_^						10.200.30	- mail	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-inh												
ᆘᅆ		····								1						1	····	1	· · · · · · · · · · · · · · · ·	,					tuiu
20062	28R1_12																								F5 Voltage SIR EI+
	ate BOF0086-DUP2 Dupli	cate 11 49																							469 778
1007								130	-OCDD;41	.76;201176.6	9:1922313														1.931e+006
										A															
*																									
له ا																									nin
	28R1_12 cate B0F0086-DUP2 Dupli	cole 11 40																							F5 Voilage SIR,EI+ 471 775
								130	-OCDD:41	76:217618 6	3,2036853														2.0500+006
100										A	-,														
										162.															
1 1										A.5.															
1 0-1	40.20 40	40 40.60	40.80	0 4	1.00	41.20	41	1.40	41.60	41.80	42.00	42.20	42.40	42.60	42.60	43.00	43 20	43.40	43.60	43.80	44.00	44.20	44.40	44.60	44.60 45.00
Read-																							20062673	12	CAP NUM
	·	12	• • • •															_		_					

ast Altered: M ninted: M ame: 200628R 3,7,8-TCDF 10628R1_12	Monday, Jur 1_12, Date:	ne 29, 2020 06		Daylight Tim	e								
rinted: M ame: 200628R 3,7,8-TCDF 10628R1_12 19.10 19 19.10 19	Monday, Jur 1_12, Date:	ne 29, 2020 06	:58:35 Pacific , Time: 18:53 :	Daylight Tim	e								
3,7,8-TCDF 10628R1_12 19.10				39, ID: B0F0	0086-DUP								
3,7,8-TCDF 10628R1_12 19.10						2 Duplicat	te 11.49.	Descriptio	on: Duplic	ate			
00 19.10 19		N 1-	Sr-	2		52		Sn			λ	$S \sim$	
	9.7219.99		23 21.44 21.63 2	2.07 22.70	22.94	; 23.58 	23.97	24.70 24.81	25.26	25.80 26	33 26.47	27.0127.28	F1:Voltage SIR 27.77 303.9
0 [±]								••••					
00628R1_12 ⁰⁰ ∃ 19.52_19.6	³ 19.69 20.23	20.78 20,98	21.30	22.2222.49	22.89 23.3	9 23.50 24.0	0 24.12	24.52 2	5.05 25.	⁶⁵ 25.8525.9	1 26.50 26	83 27.22 27.	F1:Voltage SIF 305 31 27.92 5.661e-
%	h	mounder	Nhamma			~~~~~~							
19.50 I C-2,3,7,8-TCE 0628R1_12		20.50 21.00	21.50 22	00 22.50	23.00	23.50	24.00	24.50 25	5.00 25.9	50 26.00	26.50	27.00 27.	50 28.00 F1:Voltage SIF
00 %					1	3C-1,2,3,4-T(24.13 3.37e5 3936446		13C-2,3	3,7,8-TCDF;2	5.59;2.47e5;3	176027		315.0 3.967e-
0 00628R1_12					1	3C-1,2,3,4-T(24.13 4.23e5		13C-2,3	3,7,8-TCDF;2	25.59;3.21e5;4 Λ	159437		F1:Voltage SIF 317 4.987e
%- <u> </u> 0	20.00	20.50 21.00	21.50 22	00 22.50	23.00	4947959	24.00	24.50 25	5.00 25.	50 26.00	26.50	27.00 27.	50 28.00
19.50 PE1	20.00	20.50 21.00	21.50 22	.00 22.50	23.00	23.30	24.00	24.30 23	20.00	0 20.00	20.50	27.00 27.	20.00
00628R1_12	9.70		or er 21.69 or o			23.52	1 24	.33 24 8	25.18	.56 25.78 26	.23	27.32	F1:Voltage SIF 375. 4.566e 27.80 27.98
19.66 %	19.88 20.21	20.53 20.86 	21.41 21.69 21.9 MMMMMM	22.01 22.1 WMMMM	65 23.01 2 pmm	23.36	23.97	.33 24.8 24.70	Mmm	hulmh	20.44 26. mmmm	27.32 30 _{27.28}	28.08
-													
0	20.00	20.50 21.00	21.50 22	.00 22.50	23.00	23.50	24.00	24.50 2	5.00 25.	50 26.00	26.50	27.00 27.	50 28.00

Quantify Sam Vista Analytica		Page 138 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	



uantify Sam sta Analytica			MassLy	ynx 4.1 SC	N815										Page	139 of 1
ataset:	Untitle	d														
ast Altered: rinted:				6:52:07 Pa 6:58:35 Pa												
ame: 200621	BR1 12.	Date: 28-	Jun-202	0, Time: 18	3:53:39, ID	: B0F0086	-DUP2 Du	uplicate 1	1.49, Des	cription:	Duplicate					
2,3,7,8-PeC I		ςN		SN	·	52			と	-	SN			S~	F2:Vol	tage SIR,
28.44 ^{28.0}			29.18	29.44 29.		9.89 	30.20 30	.44 30.50	30.70	30.96 31	08 31.30	31.50 3	31.65 31.74	31.94 32.09		339. 5.215 e +
0	., , ,	· · · · · · ·				_		· · · · · · ·							• • • • •	
00628R1_12 00-128.552 %-1	28.70_28.7	<u> </u>	9.09	29.41 29	9.68 29.862	9.89 30.02 ³⁰	.08 30.4	41 30.50	30.67 30	0.87 31.1	1 31.19 3	1.39 31	.62 31.83	31.92 32.08		tage SIR 341. <u>4.791e</u> +
28.50	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.5
3C-1,2,3,7,8-															FO -1 (-1	
00628R1_12 %					:	.3,7,8-PeCDF 30.17 3.84e5 654704					\bigwedge .	,4,7,8-PeCDI 31.16 4.00e5 191754	F		F2:VO	tage SIR 351 6.201e+
0 ⁻¹			- .									, , , , , ,	_, , , , , , , ,	_ , , , , , , , , , , , , , , , , , , ,	F2:Vol	Itage SIR
00 %					:	,3,7,8-PeCDF 30.17 2.38e5 562464			2	4,7,8-PeCD 31.15 2.50e5 399692	F					353 3.908e+
0 ⁻¹ , , , , , , , , , , , , , , , , , , ,	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.5
PE2 00628R1_12												24.6	50		F2:Vo	ltage SIR 409.7
28.57 28	.72 28.81	28.86 29	0.12 29.16	29.30 29.54	29.83	29.91 30.08 ∧∧∧∧	3 30.26 30	.37 30.50	30.7830.	84 31.01 \30.92	31.10 31.22	31.44 31.5	31.71 31.	79 32.06	32.27	3.811e+
	$\sim \sim 0$								$\sim \sim \sim \sim$				~ ~ ~			
%																
0-'	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.5

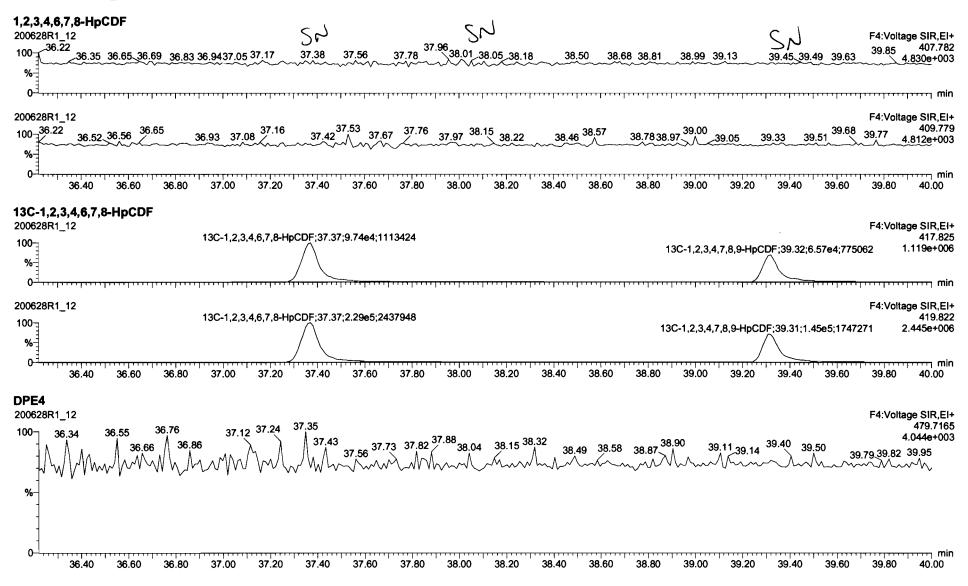


Work Order 2001155

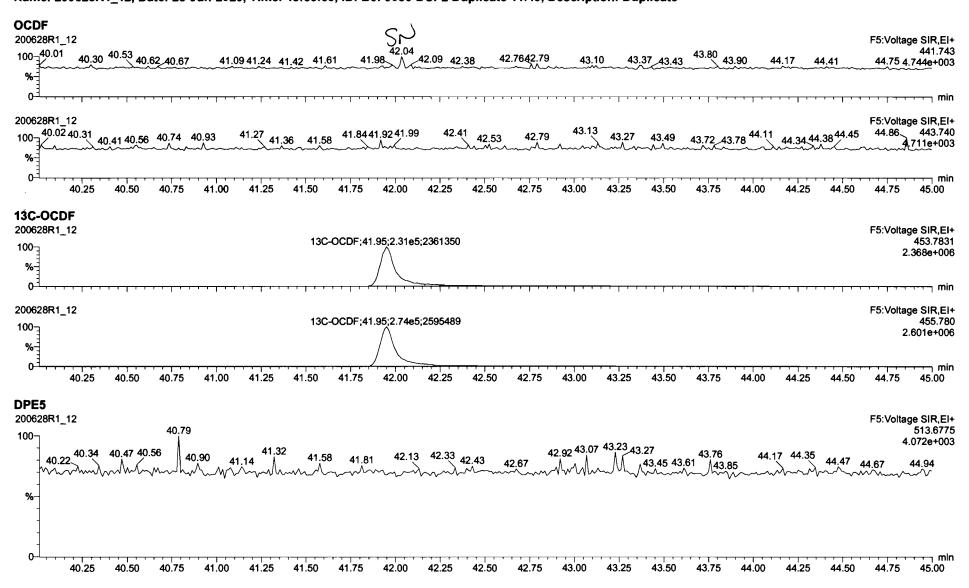
Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Monday, June 29, 2020 06:52:07 Pacific Daylight Time Printed: Monday, June 29, 2020 06:58:35 Pacific Daylight Time



Quantify Sam Vista Analytica		Page 142 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	



Quantify Sam /ista Analytica		Page 143 of 18
Dataset:	Untitled	
ast Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	
lame: 200628	R1_12, Date: 28-Jun-2020, Time: 18:53:39, ID: B0F0086-DUP2 Duplicate 11.49, Description: Duplicate	
FK1 00628R1_12	20.39 20.59 20.75 20.99 21.98;5.50e3;101162 22.44 23.21 23.67 24.33.24.61 25.06;2.18e4;209458 25.74 26.21 26.75 27.17 27.2	F1:Voltage SIR,I 9 27.97 316.98
%	20.39 20.59 20.75 20.99 21.98;5.50e3;101162_22.44 23.21 23.67 24.33.24.61 25.06;2.18e4;209458 25.74 26.21 26.75 27.17 27.2	1.3496+0
0 ^{_1} ,,	0 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27.5	D 28.00
FK2 00628R1_12 %28.49	28.99.29.04 29.19 29.33 29.45 ^{29.51} 30.17;6.92e3;153933 30.43;3.48e4;156968 30.83 31.04;1.94e4;238572 31.39 31.51 32.15;1.60e4;189153	F2:Voltage SIR, 32.40 366.97 7.344e+(
28.50	28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 32.00	32.25 32.50
FK3 00628R1_12	33 49:1 2265:1020912 34.12;4.51e5;2017488 24 64 65 65	F3:Voltage SIR,I 380.97
00 32.79;1 %	.09e6;3662311 33.48;1.22e5;1020812 33.87 34.12;4.51e5;2017488 34.64 35.05 35.37 35.62	8.731e+(
0- ¹	32.80 33.00 33.20 33.40 33.60 33.80 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.40 35.60	35.80 36.0
FK4 00628R1_12 %36.27	36.70;1.18e6;2113533 37.24;1.34e5;1078945 37.52 37.97 38.29;2.11e5;935026 38.89 39.53 39.6	F4:Voltage SIR, ³ 39.77 430.9 5.892e +
0) 36.60 36.80 37.00 37.20 37.40 37.60 37.80 38.00 38.20 38.40 38.60 38.80 39.00 39.20 39.40 39.60	39.80 40.0
FK5 00628R1_12	40.56 41.00 41.16 41.30 41.49 41.60 41.89 42.01 42.39 42.55 42.81 43.89 44.21	F5:Voltage SIR 454.9 44.62 3.334e+
% 40.2	5 40.50 40.75 41.00 41.25 41.50 41.75 42.00 42.25 42.50 42.75 43.00 43.25 43.50 43.75 44.00 44.25 44.50) 44.75 45.0

Quantify Sam Vista Analytica	p le Summary Report Il Laboratory	MassLynx 4.1 SCN815	
Dataset:	U:\VG12.PRO\Results\200	628R1\200628R1-13.qld	
Last Altered: Printed:		5:34 PM Pacific Daylight Time 6:02 PM Pacific Daylight Time	

Page 1 of 2

GPB 07/06/2020 G 07/09/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200628R1_13, Date: 28-Jun-2020, Time: 19:39:49, ID: 2001155-05 PDI-175SC-A-03-04-200522 11.58, Description: PDI-175SC-A-03-04-200522

			ny ?	RRF			e an air	atura a statia	with soul		New York State	and the second states	At a taxe of the last
1 2,3,7,8-TCI	D		NO	0.888	10.064	26.516		1.001				0.118	
2 1,2,3,7,8-P	CDD		NO	0.908	10.064	31.473		1.001				0.107	
3 1,2,3,4,7,8-	HxCDD		NO	1.03	10.064	34.846		1.000				0.130	
4 1,2,3,6,7,8-	HxCDD		NO	0.892	10.064	34.932		1.000				0.117	
5 1,2,3,7,8,9-	HxCDD		NO	0.887	10.064	35.230		1.000				0.146	
6 1,2,3,4,6,7,	B-HpCDD		NO	0.864	10.064	38.778		1.000				0.227	
7 OCDD	4.86e2	0.99	NO	0.914	10.064	41.759	41.79	1.000	1.001	0.53896		0.350	0.539
8 2,3,7,8-TCI)F		NO	0.751	10.064	25.612		1.001				0.0881	
9 1,2,3,7,8-P	CDF		NO	0.893	10.064	30.190		1.001				0.0973	
10 2,3,4,7,8-P	CDF		NO	0.935	10.064	31.177		1.001				0.0864	
11 1,2,3,4,7,8-	HxCDF		NO	0.884	10.064	33.952		1.000				0.0796	
12 1,2,3,6,7,8-	HxCDF		NO	0.889	10.064	34.090		1.000				0.0730	
13 2,3,4,6,7,8-	HxCDF		NO	0.934	10.064	34.701		1.001				0.0828	
14 1,2,3,7,8,9-	HxCDF		NO	0.871	10.064	35.582		1.000				0.130	
15 1,2,3,4,6,7,	8-HpCDF		NO	0.873	10.064	37.397		1.001				0.114	
is,	9-HpCDF		NO	1.01	10.064	39.320		1.000				0.146	
17 OCDF			NO	0.806	10.064	41.951		1.000				0.251	
18 13C-2,3,7,8	-TCDD 5.50e5	0.77	NO	1.16	10.064	26.507	26.48	1.026	1.026	179.59	90.4	0.310	
19 13C-1,2,3,7	,8-PeCDD 4.70e5	0.62	NO	0.849	10.064	31.692	31.45	1.227	1.218	208.68	105	0.775	
20 13C-1,2,3,4	,7,8-HxCDD 2.87e5	1.30	NO	0.779	10.064	34.830	34.84	1.014	1.014	145.06	73.0	0.974	
21 13C-1,2,3,6	,7,8-HxCDD 4.55e5	1.27	NO	1.02	10.064	34.944	34.93	1.017	1.017	176.58	88.9	0.746	
22 13C-1,2,3,7	,8,9-HxCDD 4.00e5	1.24	NO	0.903	10.064	35.215	35.22	1.025	1.025	174.71	87.9	0.841	
23 13C-1,2,3,4	,6,7,8-HpCDD 2.52e5	1.03	NO	0.689	10.064	38.739	38.77	1.128	1.129	144.31	72.6	0.772	
24 13C-OCDD	3.92e5	0.89	NO	0.652	10.064	41.761	41.76	1.216	1.216	237.29	59.7	0.851	
25 13C-2,3,7,8	-TCDF 6.58e5	0.78	NO	1.06	10.064	25.549	25.5 9	0.989	0.991	162.82	81.9	0.494	
26 13C-1,2,3,7	,8-PeCDF 6.51e5	1.59	NO	0.838	10.064	30.076	30.17	1.165	1.168	203.70	103	1.10	
27 13C-2,3,4,7	,8-PeCDF 6.15e5	1.61	NO	0.817	10.064	31.029	31.15	1.202	1.206	197.58	99.4	1.13	
28 13C-1,2,3,4	,7,8-HxCDF 4.07e5	0.50	NO	1.01	10.064	33.961	33.95	0.989	0.989	159.14	80.1	1.07	
29 13C-1,2,3,6	,7,8-HxCDF 5.22e5	0.49	NO	1.17	10.064	34.085	34.08	0.992	0.992	176.55	88.8	0.920	
30 13C-2,3,4,6	,7,8-HxCDF 4.55e5	0.51	NO	1.02	10.064	34.659	34.67	1.009	1.00 9	175.45	88.3	1.05	
31 13C-1,2,3,7	,8,9-HxCDF 3.50e5	0.52	NO	0.860	10.064	35.558	35.58	1.035	1.036	160.72	80.9	1.25	

Quantify Sample Summary Report MassLynx 4.1 SCN815 Vista Analytical Laboratory MassLynx 4.1 SCN815

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-13.qld

Last Altered:	Monday, July 06, 2020 3:15:34 PM Pacific Daylight Time
Printed:	Monday, July 06, 2020 3:16:02 PM Pacific Daylight Time

Name: 200628R1_13, Date: 28-Jun-2020, Time: 19:39:49, ID: 2001155-05 PDI-175SC-A-03-04-200522 11.58, Description: PDI-175SC-A-03-04-200522

			RA	NY.					1.4	Sec. Same		tingen til sterre	
	32 13C-1,2,3,4,6,7,8-HpCDF	3.15e5	0.44	NO	0.774	10.064	37.307	37.36	1.086	1.088	160.32	80.7	0.818
	33 13C-1,2,3,4,7,8,9-HpCDF	1.92e5	0.40	NO	0.521	10.064	39.336	39.32	1.145	1.145	145.68	73.3	1.22
	34 13C-OCDF	4.86e5	0.90	NO	0.746	10.064	41.933	41.95	1.221	1.221	257.18	64.7	0.633
	35 37CI-2,3,7,8-TCDD	2.28e5			1.04	10.064	26.538	26.50	1.028	1.026	82.806	104	0.154
	36 13C-1,2,3,4-TCDD	5.27e5	0.79	NO	1.00	10.064	25.890	25.83	1.000	1.000	198.72	100	0.359
	37 13C-1,2,3,4-TCDF	7.58 e 5	0.80	NO	1.00	10.064	24.360	24.13	1.000	1.000	198.72	100	0.524
	38 13C-1,2,3,4,6,9-HxCDF	5.04e5	0.49	NO	1.00	10.064	34.420	34.35	1.000	1.000	198.72	100	1.07
	39 Total Tetra-Dloxins				0.888	10.064	24.620		0.000				0.0692
	40 Total Penta-Dioxins				0.908	10.064	29.960		0.000				0.0509
N SALE	41 Total Hexa-Dioxins				0.892	10.064	33.635		0.000				0.0725
	42 Total Hepta-Dioxins				0.864	10.064	37.640		0.000				0.117
and the second	43 Total Tetra-Furans				0.751	10.064	23.610		0.000				0.0388
	44 1st Func. Penta-Furans				0.893	10.064	27.580		0.000				0.0229
	45 Total Penta-Furans				0.893	10.064	29.275		0.000				0.0446
	46 Total Hexa-Furans				0.934	10.064	33.555		0.000				0.0463
	47 Total Hepta-Furans				0.873	10.064	37.835		0.000				0.0678

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-13.qld

Last Altered:Monday, July 06, 2020 3:15:34 PM Pacific Daylight TimePrinted:Monday, July 06, 2020 3:16:02 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200628R1_13, Date: 28-Jun-2020, Time: 19:39:49, ID: 2001155-05 PDI-175SC-A-03-04-200522 11.58, Description: PDI-175SC-A-03-04-200522

Tetra-Dioxins

AT REAL ALL REAL AND A
Penta-Dioxins

nt zes m Regn m2 Height m2 Height

Hexa-Dioxins

Hepta-Dioxins

Tetra-Furans

Penta-Furans function 1

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-13.qld

Last Altered: Monday, July 06, 2020 3:15:34 PM Pacific Daylight Time Printed: Monday, July 06, 2020 3:16:02 PM Pacific Daylight Time

Name: 200628R1_13, Date: 28-Jun-2020, Time: 19:39:49, ID: 2001155-05 PDI-175SC-A-03-04-200522 11.58, Description: PDI-175SC-A-03-04-200522

Penta-Furans

Hexa-Furans

mil Reop and Antima and Antipa and Height and Height

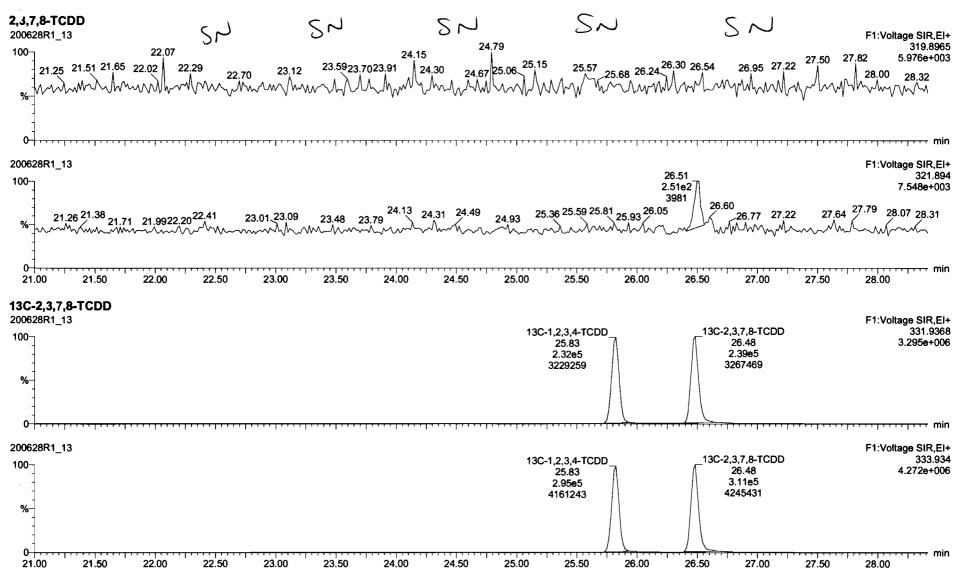
Hepta-Furans

Quantify Sample Report	MassLynx 4.1 SCN815
Vista Analytical Laboratory	-

Dataset: Untitled

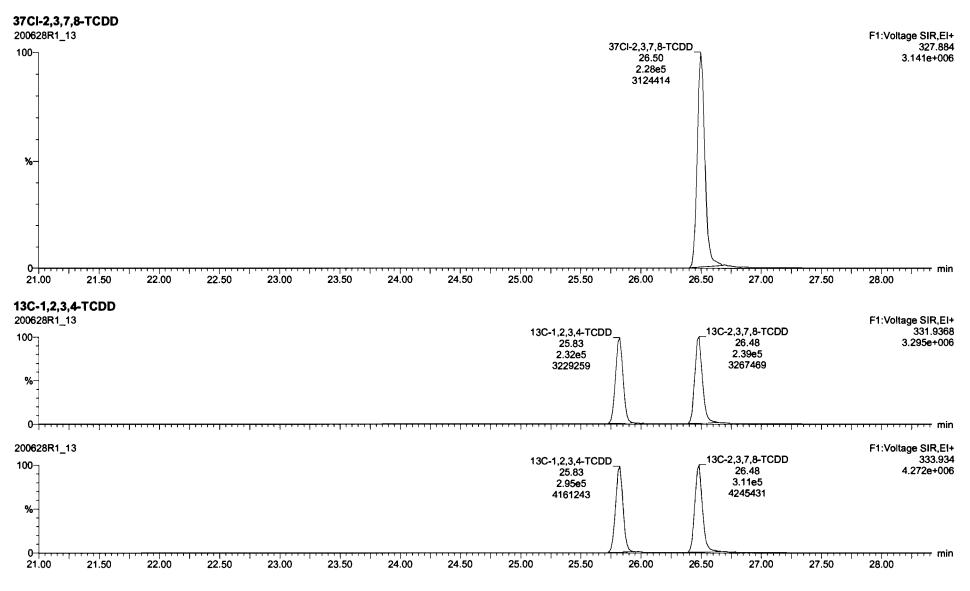
Last Altered:Monday, June 29, 2020 06:52:07 Pacific Daylight TimePrinted:Monday, June 29, 2020 06:58:35 Pacific Daylight Time

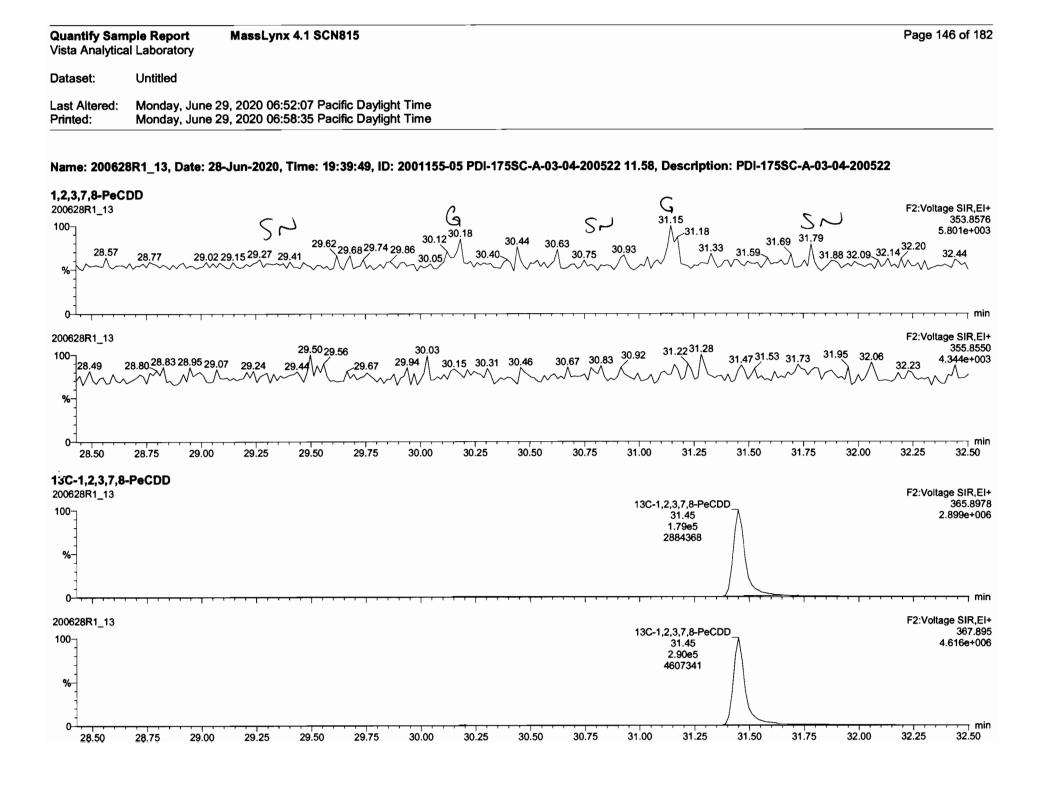
Name: 200628R1_13, Date: 28-Jun-2020, Time: 19:39:49, ID: 2001155-05 PDI-175SC-A-03-04-200522 11.58, Description: PDI-175SC-A-03-04-200522

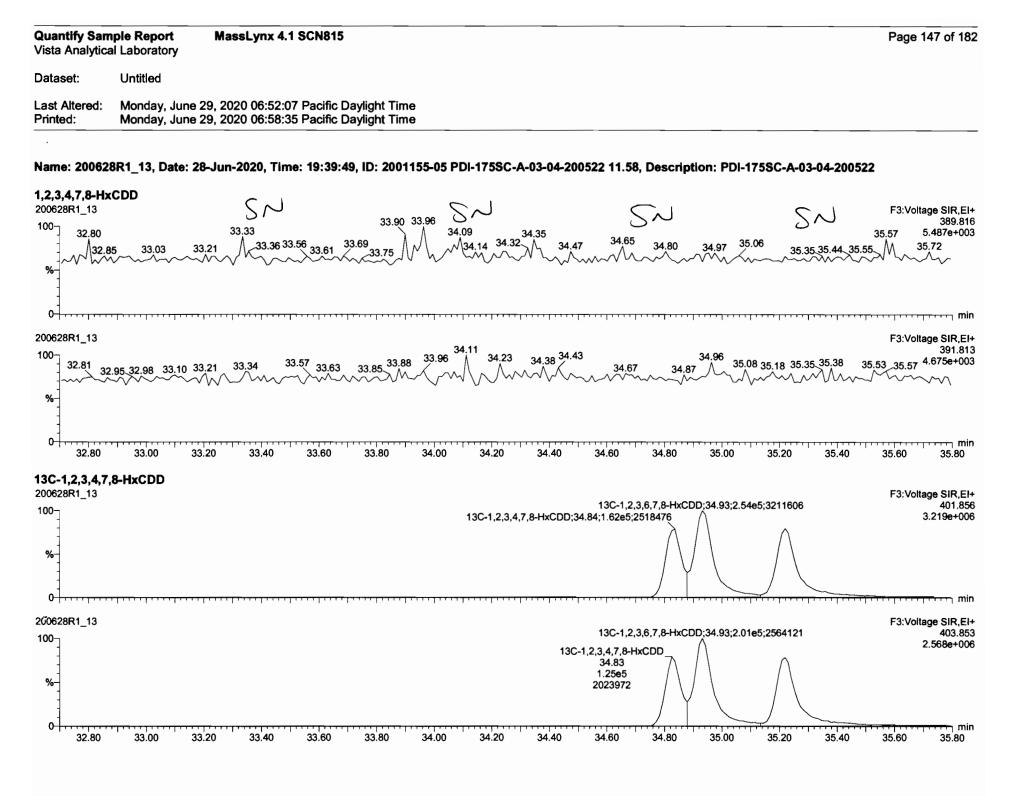


Quantify Sam Vista Analytica		Page 145 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	

Name: 200628R1_13, Date: 28-Jun-2020, Time: 19:39:49, ID: 2001155-05 PDI-175SC-A-03-04-200522 11.58, Description: PDI-175SC-A-03-04-200522

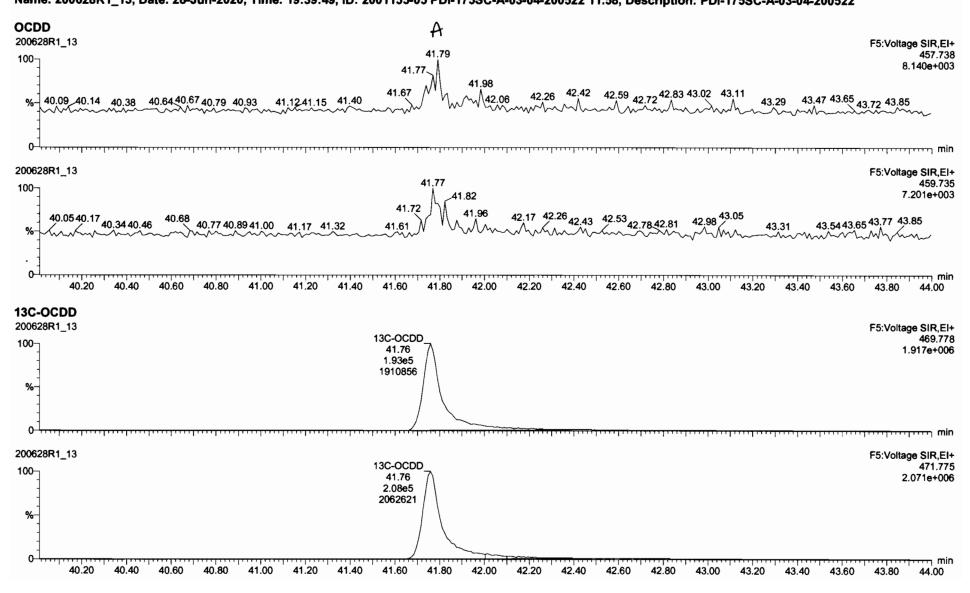


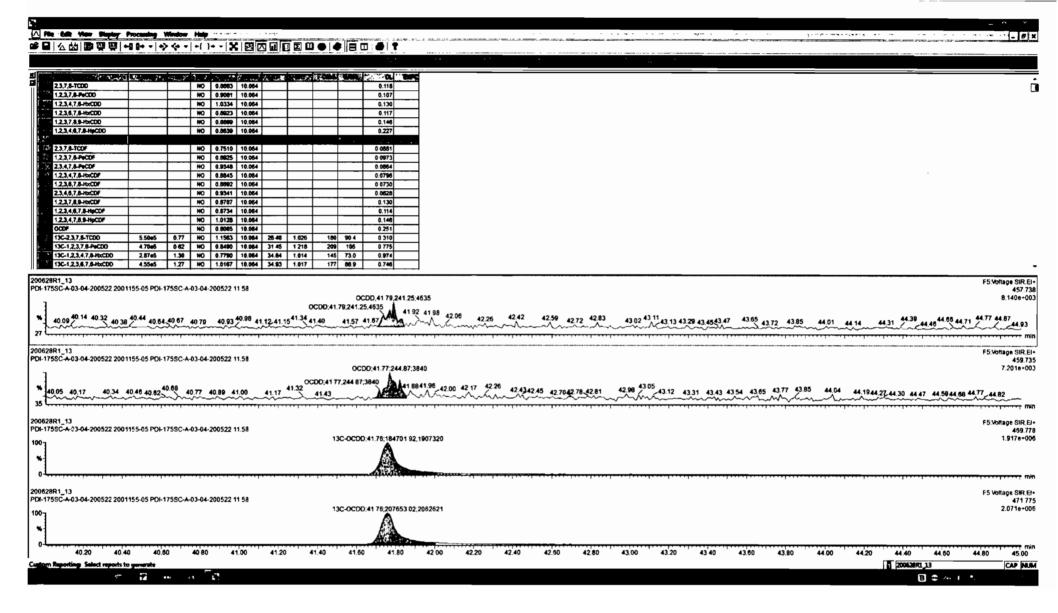




	aple Report MassLynx 4.1 SCN815 al Laboratory		Page 148 of 1
ataset:	Untitled		
ast Altered: rinted:	Monday, June 29, 2020 06:52:07 Pacific Daylight Tir Monday, June 29, 2020 06:58:35 Pacific Daylight Tir		
ame: 20062	BR1_13, Date: 28-Jun-2020, Time: 19:39:49, ID: 200	01155-05 PDI-175SC-A-03-04-200522 11.58, Description: PDI-175SC-	A-03-04-200522
. 2,3,4,6,7,8- 1	łpCDD	SN SN	F4:Voltage SIR,
	6.52 36.57 36.72 36.80 36.88 37.16 37.33 37.36 37.53 37	$S \sim S \sim S \sim S^{7.73} 37.80 37.98 38.16^{38.27} 38.36 38.67^{38.70} 38.83^{39.02} 39.29^{36} 39.07^{39.39} 39.09^{39.29} 39.29^{39} 39.09^{39}$	9.32 39.40 39.62 39.75
%- - - 0		***	
0628R1_13			F4:Voltage SIR,
	3.51 36.60 36.65 36.82 37.05 37.12 37.23 37.36 37.48 37.7	38.57 37.76 37.88 37.99 38.28 38.44 38.47 38.66 38.79 39.00 39.17 39.2 38.66 38.79 39.00 39.17 39.2	6 1280+
36.22 3 % 0 36.4	D 36.60 36.80 37.00 37.20 37.40 37.60	37.76 37.88 37.99 38.28 38.44 38.47 38.66 38.79 39.00 39.1739.2 38.66 38.79 39.00 39.1739.2	6.138e+ 28.39.31 ^{39.51} 39.63 39.77 39.98
00 36.22 3 % 0 		37.76 37.88 37.99 38.28 38.44 38.47 38.66 38.79 39.00 39.17 39.2 37.80 38.00 38.20 38.40 38.60 38.80 39.00 39.20	6.138e+4 28.39.31 ^{39.51} 39.63 39.77 39.98
⁰⁰ 36.22 3 % 0 	D 36.60 36.80 37.00 37.20 37.40 37.60	37.76 37.88 37.99 38.28 38.44 38.47 38.66 38.79 39.00 39.1739.2 38.66 38.79 39.00 39.1739.2	
36.22 3 % 0 36.22 3 % 0 36.4 3C-1,2,3,4,6 00628R1_13 00 1 1 1 1 1 1 1 1 1 1 1 1 1	D 36.60 36.80 37.00 37.20 37.40 37.60	37.76 37.88 37.99 38.28 38.44 38.47 38.66 38.79 39.00 39.17 39.2 37.80 38.00 38.20 38.40 38.60 38.80 39.00 39.20 13C-1,2,3,4,6,7,8-HpCDD 38.77 1.28e5	6.138e+ 28.39.31 ^{39.51} 39.63 39.77 39.98 39.40 39.60 39.80 40.0 F4:Voltage SIR 435.
00 36.22 3 % 0 0 36.4 3C-1,2,3,4,6 00 36.4 3C-1,2,3,4,6 00 0 0 0 0 0 0 0 0 0 0 0 0	D 36.60 36.80 37.00 37.20 37.40 37.60	37.76 37.88 37.99 38.28 38.44 38.47 38.66 38.79 39.00 39.17 39.2 37.80 38.00 38.20 38.40 38.60 38.80 39.00 39.20 13C-1,2,3,4,6,7,8-HpCDD 38.77 1.28e5	6.138e+ 28.39.31 ^{39.51} 39.63 39.77 39.98 39.40 39.60 39.80 40.0 F4:Voltage SIR 435.
00 36.22 3 % 0 0 36.4 36.4 3C-1,2,3,4,6 00628R1_13 00 0 0 0 0 0 0 0 0 0 0 0 0	D 36.60 36.80 37.00 37.20 37.40 37.60	37.76 37.88 37.99 38.28 38.44 38.47 38.66 38.66 38.60 38.79 39.00 39.17 39.2 37.80 38.00 38.20 38.40 38.60 38.80 39.00 39.20 13C-1,2,3,4,6,7,8-HpCDD 38.77 1.28e5 1390041	6.138e+4 28.39.31 ^{39.51} 39.63 39.77 39.98 39.40 39.60 39.80 40.0 F4:Voltage SIR, 435.4
00 36.22 3 % 0 0 36.4 3C-1,2,3,4,6 00 36.4 3C-1,2,3,4,6 00 0 0 0 0 0 0 0 0 0 0 0 0	D 36.60 36.80 37.00 37.20 37.40 37.60	37.76 37.88 37.99 38.28 38.44 38.47 38.66 38.79 39.00 39.17 39.2 37.80 38.00 38.20 38.40 38.60 38.80 39.00 39.20 13C-1,2,3,4,6,7,8-HpCDD 38.77 1.28e5	6.138e+ 28.39.31 ^{39.51} 39.63 39.77 39.98 39.40 39.60 39.80 40.0 F4:Voltage SIR, 435. 1.397e+1 F4:Voltage SIR,
00 36.22 3 % 0 36.4 3C-1,2,3,4,6 00628R1_13 00 00628R1_13 00 1 00 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	D 36.60 36.80 37.00 37.20 37.40 37.60	37.76 37.88 37.99 38.28 38.44 38.47 38.66 38.79 39.00 39.17 39.2 37.80 38.00 38.20 38.40 38.60 38.80 39.00 39.20 13C-1,2,3,4,6,7,8-HpCDD 38.77 1.28e5 1390041 13C-1,2,3,4,6,7,8-HpCDD 38.77 1.28e5	6.138e+ 28.39.31 ^{39.51} 39.63 39.77 39.98 39.40 39.60 39.80 40.0 F4:Voltage SIR, 435. 1.397e+ F4:Voltage SIR, 435. 1.397e+ F4:Voltage SIR, 435. 1.397e+ 54:Voltage SIR, 437.

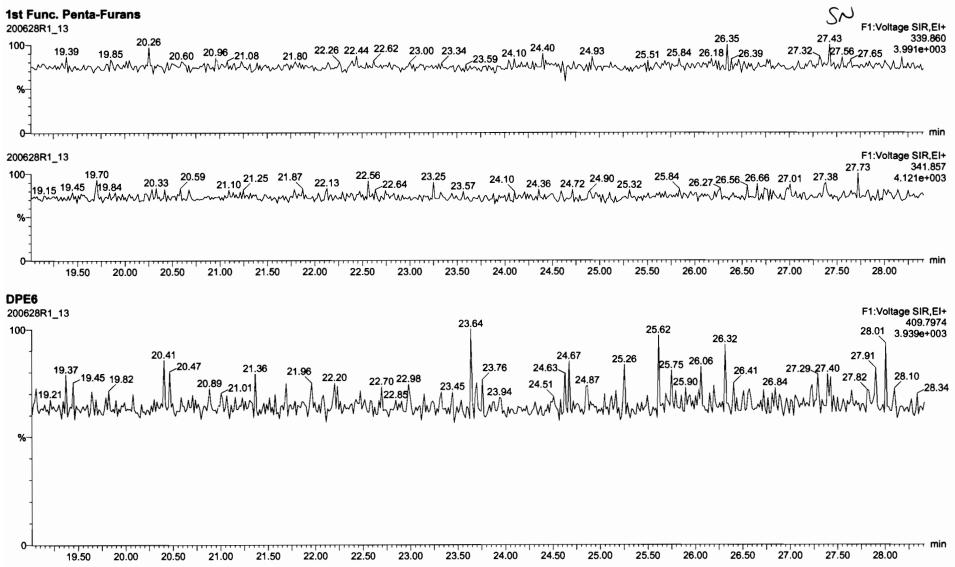
Quantify Sam Vista Analytica		Page 149 of 18
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	



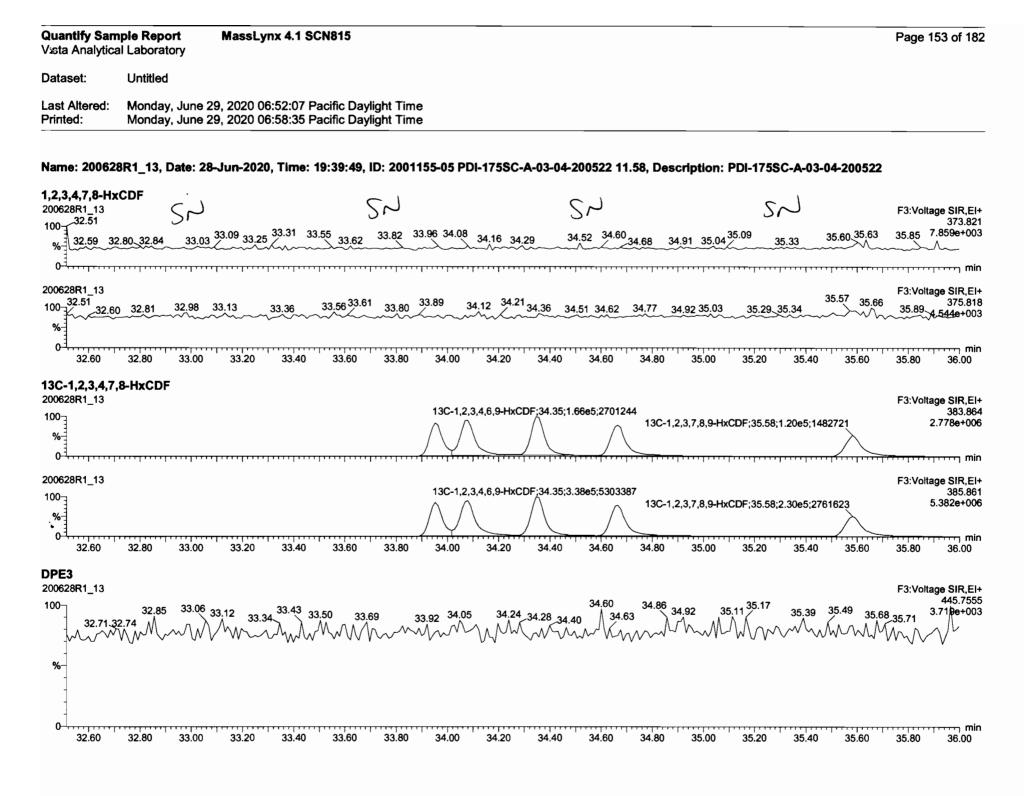


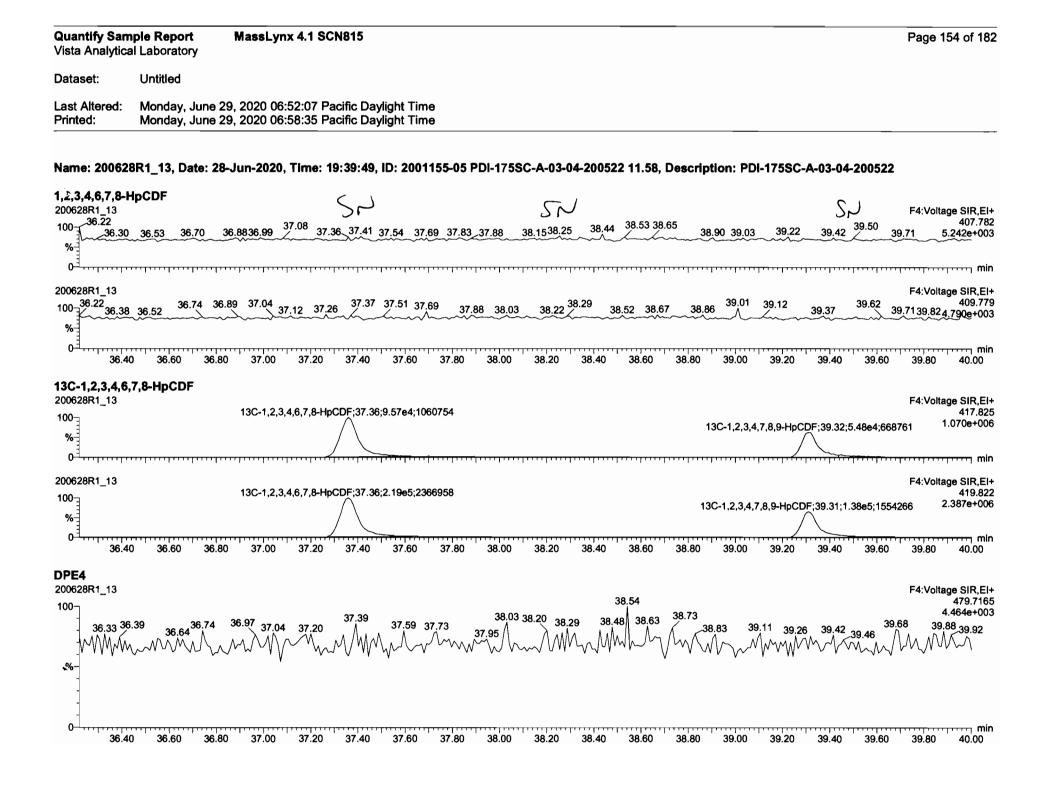
Report I boratory	MassLynx	4.1 SCN	815												Page 150 of 18
titled															
13 Date: 28-1	un-2020 1	lime [,] 19 [,]	39.49 1	D: 20011	55-05 P	DI-175S	C-A-03-04	L200522	2 11.58. D	escrinti	on: PDI-	175SC-4	-03-04-20	00522	
			54						S~					 رک	↓ F1:Voltage SIR,E
20.23 20.54	21.01 21.2	23 21.59	22.04 2	22.65 2.55 2.55 2.55 2.55	2.85 23	3.24 2	3.77 24.12	24.27	.52 25.08	25.39 ²	5.81 26.2	26.72	26.95	27.47	303.90 ⁴ 27.83 5.287e+00
9.90 20.38	20.87 20.9	9 21.29	21.9822.: ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	22.50	22.86 V	23.33 	23.91 ^{24.}	⁰⁹ 24.72 ²	25.02.25.09	25.60	25.83	26.50	26.92 27.2	22 27.55 ~~~~~	F1:Voltage SIR,E 305.86 228.07 356e+00
20.00 20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	m 28.00
						24.1 3.37	3	1	25.59 2.88e5	Λ					F1:Voltage SIR,E 315.94 4.015e+00
						24.1 4.21	3 ∋5 ∧	1:	25.59 3.70e5	7			1		F1:Voltage SIR, 317.9 4.910e+0
20.00 20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00
											2 25.85 MMM	5,30			F1:Voltage SIR,E 375.83 4.859e+0
	20.00 20.38	20.00 20.38 20.87 20.9 20.00 20.50 21.00	anday, June 29, 2020 06:52:07 Pac priday, June 29, 2020 06:58:35 Pac 	20.00 20.38 20.87 20.99 21.29 21.90 21.50 22.00 21.50 21.50 22.00 21.50	39.99 20.23 20.54 21.01 21.23 21.59 22.04 22.55 22.65 21.09 20.38 20.87 20.99 21.29 21.9822.25 22.50 22.00 20.50 21.00 21.50 22.00 22.50	anday, June 29, 2020 06:52:07 Pacific Daylight Time mday, June 29, 2020 06:58:35 Pacific Daylight Time 13, Date: 28-Jun-2020, Time: 19:39:49, ID: 2001155-05 P $S \sim S \sim$	anday, June 29, 2020 06:52:07 Pacific Daylight Time mday, June 29, 2020 06:58:35 Pacific Daylight Time 13, Date: 28-Jun-2020, Time: 19:39:49, ID: 2001155-05 PDI-1755 $S \sim S \sim$	$\begin{array}{c} \text{pnday, June 29, 2020 06:52:07 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ \text{pnday, June 29, 2020 06:58:35 Pacific Daylight Time} \\ \hline \\ pnday, June 20, 20, 50 21.01 21:23 21.59 22.04 22:55 23.24 23.77 24.12 \\ \hline \\ \text{pnday, June 20, 20, 20, 20, 20, 20, 20, 20, 20, 20,$	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{13, \text{Date: } 29, 2020 \ 06:52:07 \ \text{Pacific Daylight Time}}{13, \text{Date: } 28-Jun-2020, \text{Time: } 19:39:49, \text{ID: } 2001155-05 \ \text{PDI-175SC-A-03-04-200522 11.58}, \text{Description: PDI-175SC-A}}{SN} \\ SN \\$	$\frac{13, \text{ Date: } 29, 2020 \ 06:52:07 \ \text{Pacific Daylight Time}}{13, \text{ Date: } 28, \text{ June } 29, 2020 \ 06:58:35 \ \text{Pacific Daylight Time}}$ $\frac{13, \text{ Date: } 28, \text{ June } 29, 2020 \ 06:58:35 \ \text{Pacific Daylight Time}}{5 \text{ SN} \qquad \text{SN} \qquad $	$\frac{13, \text{ Date: } 29, 2020 \ 06:52:07 \ \text{Pacific Daylight Time}}{13, \text{ Date: } 28, June 29, 2020 \ 06:58:35 \ \text{Pacific Daylight Time}}$ $\frac{13, \text{ Date: } 28, \text{ June 2020, Time: } 19:39:49, \text{ ID: } 2001155-05 \ \text{PDI-175SC-A-03-04-200522 } 11.58, \text{ Description: PDI-175SC-A-03-04-200522 } \\ S \\ S \\ S \\ M \\ S \\ M \\ S \\ S \\ S \\ S$

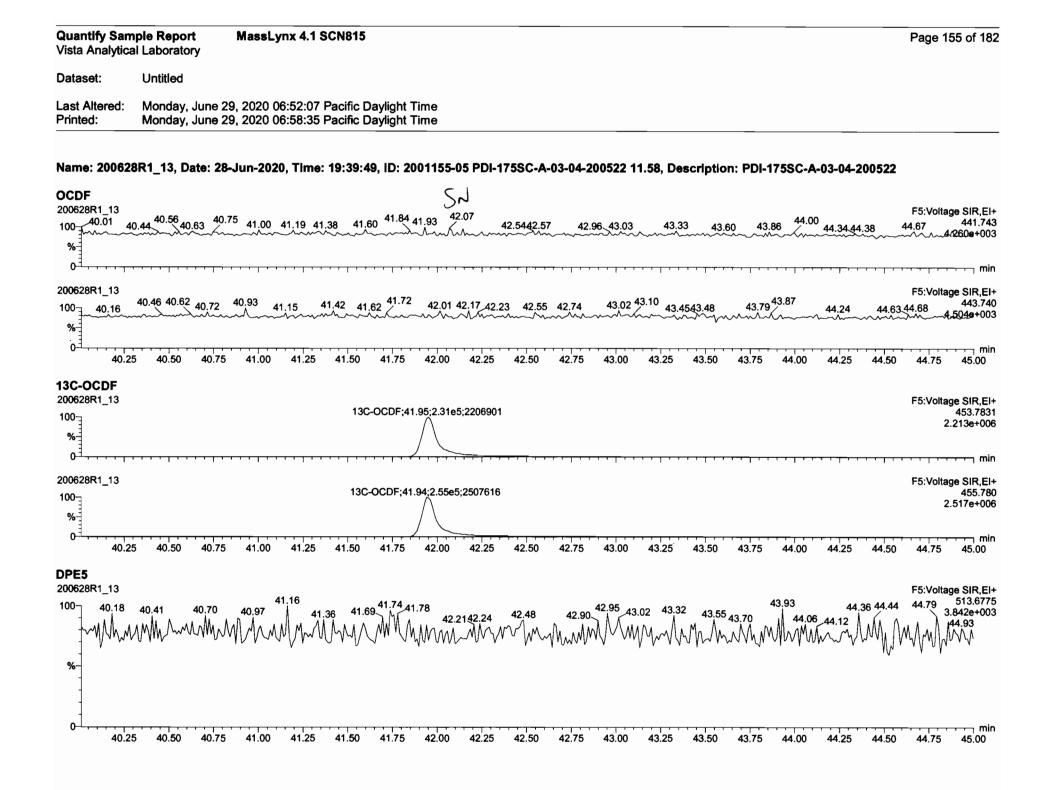
Page 151 of 182
ime



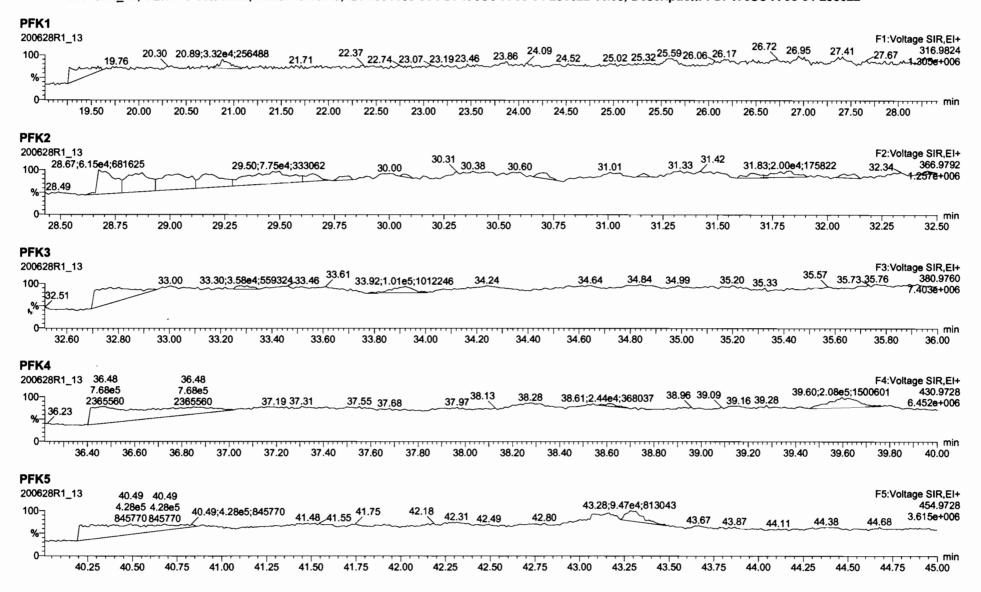
uantify Sam sta Analytica			MassLyı	nx 4.1 SCN	815										Page	152 of 1
ataset:	Untitled															
ast Altered: inted:	Monday, Monday,	, June 29 , June 29	, 2020 06 , 2020 06	:52:07 Pac :58:35 Pac	ific Dayligl ific Dayligl	ht Time ht Time										
ame: 200628	R1_13, D)ate: 28-,	Jun-2020	, Time: 19:	39:49, ID:	: 200115	-05 PDI-17	'5SC-A-03	-04-20052	22 11.58,	Descriptio	n: PDI-17	'5SC-A-03	-04-20052	2	
2,3,7,8-PeCI 0628R1_13	DF	Sr			-	\sim			52		31.24	N 31	66 31.76	SN	F2:Vol	tage SIR 339
28.52_28.5 %	57 28.86	29.0929	9.15 <u>29.27</u>	29.50	9.59 29.852	29.97 30.0	30.28 30.34	30.58	30.69 30.76	31.01	31.16 31.	36		1.80 32	12 32.24	5.298e+
0 ⁻¹ 00628R1_13 00	28.83	28.93	12 29.27	29.44 29.6	29.67 29	9.83 30.03	30.37.3	0.41 30.57	30.86 ³⁰).89 31.01	31.30 31.	36.31.39 ³¹	1.57 <u>31.80</u>	31.98 32.0	9 32.40	tage SIR)341. ∖∕4.306e+
0 ¹	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.5
2 C-1,2,3,7,8- 0628R1_13					13C-1,2	2,3,7,8-PeCI	DF;30.17;3.99	e5;6216144	3 3.1	,7,8-PeCDI 1.15 79e5 12343						tage SIR 351 6.787e+
0 ⁻¹ 0628R1_13 0		_, , ,	· · - · · ·		13C-1,2	2,3,7,8-PeCl	DF;30.17;2.52	e5;3911036	3	,7,8-PeCDI 1.15 36e5 74515	 - 			<u> </u>	F2:Vol	tage SIF 353 4.332e
0 ⁻¹	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.
PE2 0628R1_13																tage SIF
28.57	28.78 _{28.} 8.70	81 29.01	9.15 29.24	29.5 29.47	9 29.83 ²⁹	.88 30.02	30.28 30.17	30.46 30.58	30.66	30.92 31	.10 31.30	31.53 31	.62 _{31.65} 31.8	3 3 32.03	2.15	409.7 3.531e4
% - - -																
01, , , , , , , , , , , , , , , , , , ,	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.5







Quantify Sam Vista Analytica	· · ·	Page 156 of 18
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	



ie.

CONFIRMATION

Guantify Sample Summary Report	MassLynx 4.1
Vista Analytical Laboratory	

Page 1 of 1

Dataset: U:\VG7.PRO\Results\200708D1\200708D1_17.qld

Last Altered:	Thursday, July 09, 2020 10:22:06 Pacific Daylight Time
Printed:	Thursday, July 09, 2020 10:22:18 Pacific Daylight Time

DB 7/9/20 0209/09/2000

Method: U:\VG7.PRO\MethDB\tcdf.mdb 03 Jul 2020 14:40:52 Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200708D1_17, Date: 08-Jul-2020, Time: 18:36:13, ID: 2001155-02RE1 PDI-175SC-A-00-01-200522 11.02, Description: PDI-175SC-A-00-01-200522

1 2,3,7,8-TCDF 2 13C-2,3,7,8-TCDF 3 13C-1,2,3,4-TCDF	Rece	RA	··· n/y	RRF	Wt/yol	ProtiRR	- R			A Concert			
1 2,3,7,8-TCDF	2.69e2	0.68	NO	0.982	10.133 🖌	16.936	16.96	1.000	1.001	0.38724		0.273	0.387
2 13C-2,3,7,8-TCDF	1.40e5	0.78	NO	1.08	10.133	16.894	16.94	1.133	1.135	98.665	50.0	0.413	
3 13C-1,2,3,4-TCDF	2.58e5	0.76	NO	1.00	10.133	15.060	14.92	1.000	1.000	197.38	100	0.448	

Quantify Sample Report MassLynx 4.1

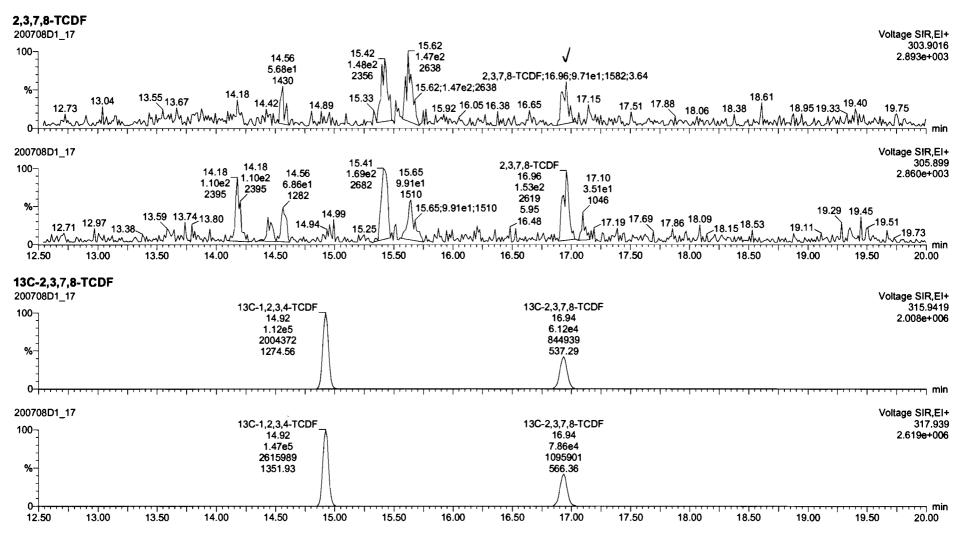
Vista Analytical Laboratory VG-10

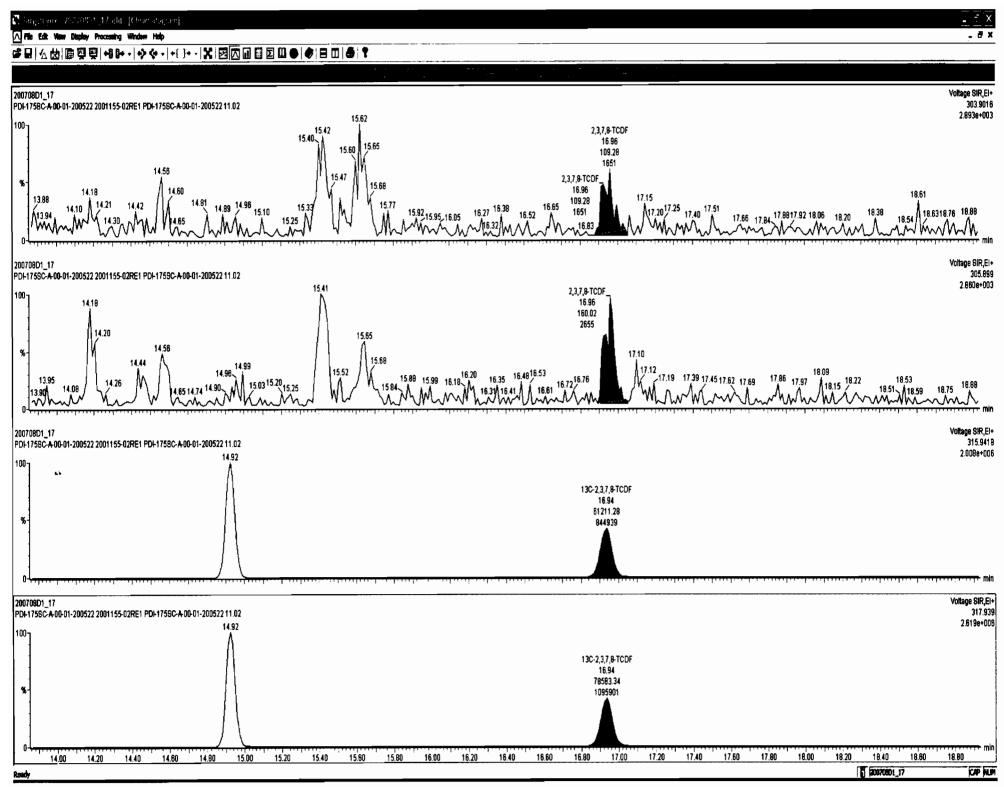
Dataset: U:\VG7.PRO\Results\200708D1\200708D1_17.qld

Last Altered:	Thursday, July 09, 2020 10:20:20 Pacific Daylight Time
Printed:	Thursday, July 09, 2020 10:21:27 Pacific Daylight Time

Method: U:\VG7.PRO\MethDB\tcdf.mdb 03 Jul 2020 14:40:52 Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200708D1_17, Date: 08-Jul-2020, Time: 18:36:13, ID: 2001155-02RE1 PDI-175SC-A-00-01-200522 11.02, Description: PDI-175SC-A-00-01-200522



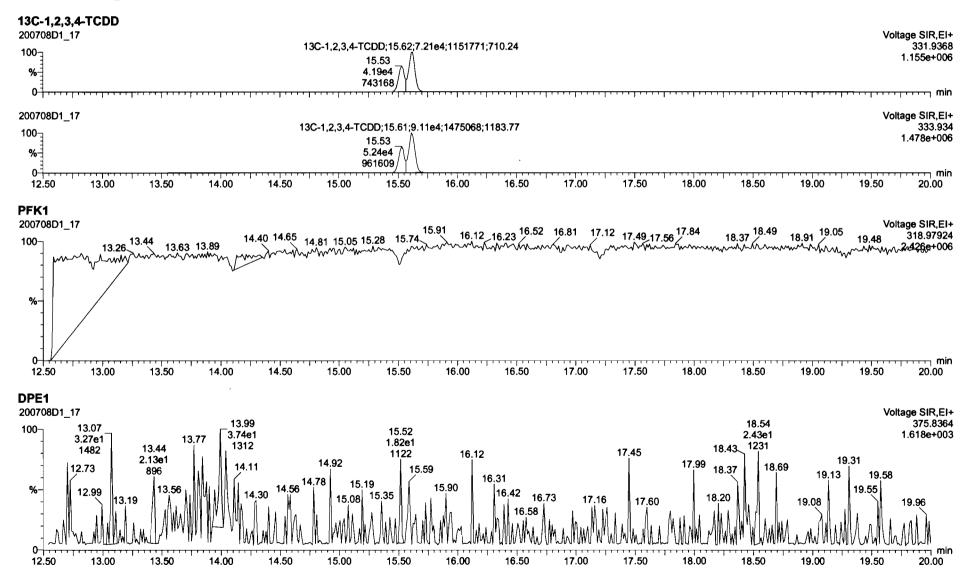


Work Order 2001155

Page 203 of 638

Quantify Sam Vista Analytica	ple Report MassLynx 4.1 I Laboratory VG-10	Page 2 of 2
Dataset:	U:\VG7.PRO\Results\200708D1\200708D1_17.qld	
Last Altered: Printed:	Thursday, July 09, 2020 10:20:20 Pacific Daylight Time Thursday, July 09, 2020 10:21:27 Pacific Daylight Time	

Name: 200708D1_17, Date: 08-Jul-2020, Time: 18:36:13, ID: 2001155-02RE1 PDI-175SC-A-00-01-200522 11.02, Description: PDI-175SC-A-00-01-200522



Work Order 2001155

CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID: 57200623,)2 -	1		Reviewed By: <u>C7 06/24/2020</u>	_	
End Calibration ID:	_		Initials & Vale		
	Beg.	End		Beg.	End
Ion abundance within QC limits?		NA	Mass resolution >	~	~
Concentrations within criteria?	Ĭ	Ŧ	□ 5k □ 6-8K □ 8K ☑ 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	~	φ	Intergrated peaks display correctly?	~	NA
First and last eluters present?		ф	GC Break <20%		
Retention Times within criteria?	/	Ф	8280 CS1 End Standard:		,
Verification Std. named correctly?		ф	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		NA
(ST-Year-Month-Day-VG iD)					
Forms signed and dated?		F	Comments:		
Correct ICAL referenced?	DB	DB			
Run Log:					
- Correct instrument listed?	\checkmark	NA			
- Samples within 12 hour clock?	Ø	Ν			
- Bottle position verfied?	DI	B			

Vista Analytica	pie Summary Report MassLynx 4.1 I Laboratory	
Dataset:	U:\VG7.PRO\Results\200623D2\200623D2_2.qld	
Last Altered: Printed:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time Wednesday, June 24, 2020 10:31:12 Pacific Daylight Time	

Page 1 of 2

CM 06/24/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

100	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	5.18e3	0.78	NO	0.986	1.000	26.082	26.08	1.001	1.001	9.0592	90.6 78-129	0.226	9.06
2	2 1,2,3,7,8-PeCDD	1.87e4	0.63	NO	0.964	1.000	30.630	30.63	1.001	1.001	45.716	91.478-130	0.309	45.7
3	3 1,2,3,4,7,8-HxCDD	1.69 e 4	1.31	NO	1.16	1.000	33.916	33.93	1.000	1.001	46.645	93.378-178	0.485	46.6
4	4 1,2,3,6,7,8-HxCDD	1.75e4	1.20	NO	1.01	1.000	34.016	34.03	1.000	1.000	42.919	85.8 78 -178	0.464	42.9
5	5 1,2,3,7,8,9-HxCDD	1.60e4	1.26	NO	1.01	1.000	34.346	34.32	1.001	1.000	44.550	89.182-122	0.580	44.6
6	6 1,2,3,4,6,7,8-HpCDD	1.31e4	1.03	NO	0.997	1.000	37.802	37.80	1.000	1.000	44.888	89.8 56 -116	0.823	44.9
7	7 OCDD	2.38e4	0.90	NO	1.01	1.000	41.038	41.05	1.000	1.000	90.978	91.0 79-176	0.825	91.0
8	8 2,3,7,8-TCDF	6.68e3	0.81	NO	0.833	1.000	25.281	25.27	1.001	1.001	9.1543	91.5 94 - 120	0.208	9.15
9	9 1,2,3,7,8-PeCDF	3.08e4	1.60	NO	0.965	1.000	29.442	29.44	1.001	1.001	47.088	94.282-120	0.277	47.1
10	10 2,3,4,7,8-PeCDF	3.04 e 4	1.60	NO	1.01	1.000	30.357	30.33	1.001	1.000	46.621	93.282-120	0.271	46.6
11	11 1,2,3,4,7,8-HxCDF	2.48e4	1.28	NO	1.09	1.000	33.028	33.04	1.000	1.000	49.810	99.690-112	0.420	49.8
12	12 1,2,3,6,7,8-HxCDF	2.73e4	1.32	NO	1.07	1.000	33.159	33.17	1.000	1.001	48.809	97.6 88 - 114	0.361	48.8
13	13 2,3,4,6,7,8-HxCDF	2.50e4	1.26	NO	1.15	1.000	33.775	33.75	1.001	1.000	47.348	94.7 88 - 114	0.443	47.3
14	14 1,2,3,7,8,9-HxCDF	1.98e4	1.28	NO	1.11	1.000	34.685	34.70	1.000	1.000	47.985	96.0 90-112	0.645	48.0
15	15 1,2,3,4,6,7,8-HpCDF	2.04e4	1.03	NO	1.16	1.000	36.554	36.53	1.001	1.000	46.494	93.0 90 - 110	0.576	46.5
16	16 1,2,3,4,7,8,9-HpCDF	1.69e4	1.04	NO	1.35	1.000	38.328	38.34	1.000	1.000	49.184	98.4 86 - 116	0.694	49.2
17	17 OCDF	2.92e4	0.86	NO	0.949	1.000	41.247	41.27	1.000	1.001	97.560	97.663-159	0.658	97.6
18	18 13C-2,3,7,8-TCDD	5.80e4	0.79	NO	1.26	1.000	26.147	26.05	1.026	1.022	94.755	94.8 82 -121	1.35	
19	19 13C-1,2,3,7,8-PeCDD	4.25e4	0.62	NO	0.921	1.000	30.633	30.61	1.202	1.201	94.878	94.9 62 -160	0.444	
20	20 13C-1,2,3,4,7,8-HxCDD	3.12e4	1.38	NO	0.707	1.000	33.902	33.91	1.014	1.014	98.710	98.785-117	0.890	
21	21 13C-1,2,3,6,7,8-HxCDD	4.06e4	1.32	NO	0.829	1.000	34.013	34.02	1.017	1.017	109.72	110 85 - 118	0.760	
22	22 13C-1,2,3,7,8,9-HxCDD	3.57e4	1.18	NO	0.808	1.000	34.283	34.31	1.025	1.026	98.873	98.9 85 -118	0.779	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.92e4	1.07	NO	0.662	1.000	37.747	37.79	1.129	1.130	98.942	98.9 72-138	1.44	
24	24 13C-OCDD	5.16e4	0.91	NO	0.608	1.000	40.770	41.04	1.219	1.227	190.18	95.148 -207	1.02	
25	25 13C-2,3,7,8-TCDF	8.76e4	0.77	NO	1.07	1.000	25.230	25.26	0.990	0.991	101.68	102 71-140	1.01	
28	26 13C-1,2,3,7,8-PeCDF	6.79e4	1.67	NO	0.826	1.000	29.453	29.42	1.156	1.154	101.81	102 76-130	0.946	
27	27 13C-2,3,4,7,8-PeCDF	6.45e4	1.63	NO	0.796	1.000	30.352	30.33	1.191	1.190	100.43	100 77-130	0.981	
28	28 13C-1,2,3,4,7,8-HxCDF	4.54e4	0.49	NO	1.08	1.000	33.033	33.03	0.988	0.988	94.574	94.6 76 - 131	0.864	
29	29 13C-1,2,3,6,7,8-HxCDF	5.24e4	0.48	NO	1.12	1.000	33.167	33.15	0.992	0.991	104.41	104 70-143	0.826	
30	30 13C-2,3,4,6,7,8-HxCDF	4.58e4	0.47	NO	1.02	1.000	33.738	33.74	1.009	1.009	100.11	100 73-137	0.907	
31	31 13C-1,2,3,7,8,9-HxCDF	3.70e4	0.52	NO	0.887	1.000	34.638	34.69	1.036	1.037	93.550	93.674-135	1.05	

Quantify Sample Summary Report	MassLynx 4.1
Vista Analytical Laboratory	

Page 2 of 2

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

Last Altered:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 10:31:12 Pacific Daylight Time

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

SAME SUC	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	3.78e4	0.44	NO	0.811	1.000	36.343	36.52	1.087	1.092	104.52	105 78-129	0.981	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.55e4	0.43	NO	0.598	1.000	38.349	38.33	1.147	1.146	95.545	95.5 77-129	1.33	
34	34 13C-OCDF	6.30e4	0.89	NO	0.752	1.000	40.923	41.25	1.224	1.234	187.72	93.9 48- 207	0.909	
35	35 37CI-2,3,7,8-TCDD	5.26e3			1.24	1.000	26.145	26.07	1.026	1.023	8.7030	87.0 79-127	0.145	
36	36 13C-1,2,3,4-TCDD	4.86e4	0.84	NO	1.00	1.000	25.480	25.48	1.000	1.000	100.00	100	1.70	
37	37 13C-1,2,3,4-TCDF	8.07e4	0.79	NO	1.00	1.000	24.020	24.02	1.000	1.000	100.00	100	1.07	
38	38 13C-1,2,3,4,6,9-HxCDF	4.46e4	0.50	NO	1.00	1.000	33.530	33.43	1.000	1.000	100.00	100	0.929	

Quantify Sample Summary Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1

Dataset: Untitled

١

Last Altered: Wednesday, June 24, 2020 10:33:04 Pacific Daylight Time Printed: Wednesday, June 24, 2020 10:33:22 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2020 14:57:34 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

11 19 1	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.61
2	2 1,2,8,9-TCDD (Last)	26.94
3	3 1,2,4,7,9-PeCDD (First)	28.58
4	4 1,2,3,8,9-PeCDD (Last)	30.99
5	5 1,2,4,6,7,9-HxCDD (First)	32.40
6	6 1,2,3,7,8,9-HxCDD (Last)	34.32
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.93
8 ;	8 1,2,3,4,6,7,8-HpCDD (Last)	37.80
9	9 1,3,6,8-TCDF (First)	20.44
10	10 1,2,8,9-TCDF (Last)	27.07
11	11 1,3,4,6,8-PeCDF (First)	27.04
12	12 1,2,3,8,9-PeCDF (Last)	31.21
13	13 1,2,3,4,6,8-HxCDF (First)	31.86
14	14 1,2,3,7,8,9-HxCDF (Last)	34.70
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.53
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.34

Quantify Compound Summary Report MassLynx 4.1 Vista Analytical Laboratory VG-11 Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Wednesday, June 24, 2020 10:29:10 Pacific Daylight Time Printed: Wednesday, June 24, 2020 10:29:27 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Compound name: 2,3,7,8-TCDD

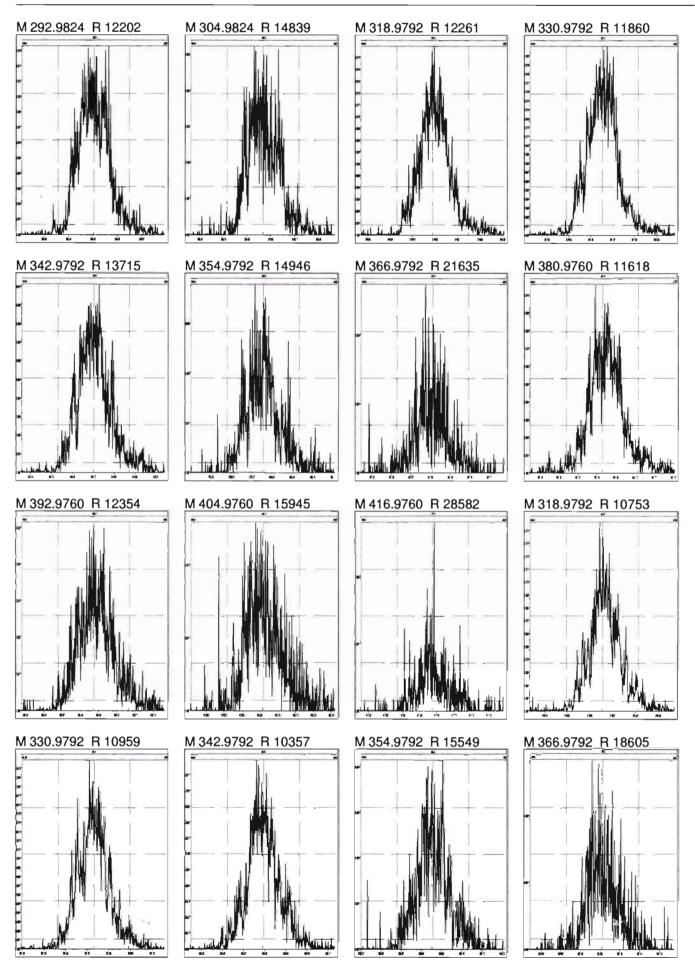
1 Carlo	Name	ID	Acq.Date	Acq.Time
1 2/2	200623D2_1	SOLVENT BLANK	23-Jun-20	21:25:21
2	200623D2_2	ST200623D2-1 1613 CS3 19L2305	23-Jun-20	22:10:32
3	200623D2_3	B0F0086-BS1 OPR 10	23-Jun-20	22:55:42
4	200623D2_4	SOLVENT BLANK	23-Jun-20	23:40:53
5	200623D2_5	B0F0086-BLK1 Method Blank 10	24-Jun-20	00:26:03
6	200623D2_6	B0F0086-DUP1 Duplicate 16.73	24-Jun-20	01:11:12
7	200623D2_7	2000996-02RE1 PDI-054SC-A-10-11.1-20042	24-Jun-20	01:56:22
8	200623D2_8	2001007-04RE1 PDI-058SC-B-00-02-200505	24-Jun-20	02:41:32
9	200623D2_9	2001007-05RE1 PDI-058SC-B-02-05-200505	24-Jun-20	03:26:41
10	200623D2_10	2001007-06RE1 PDI-058SC-B-05-07-200505	24-Jun-20	04:11:51

Resolution Check Report

MassLynx 4.1



Tuesday, June 23, 2020 21:25:23 Pacific Daylight Time



Work Order 2001155

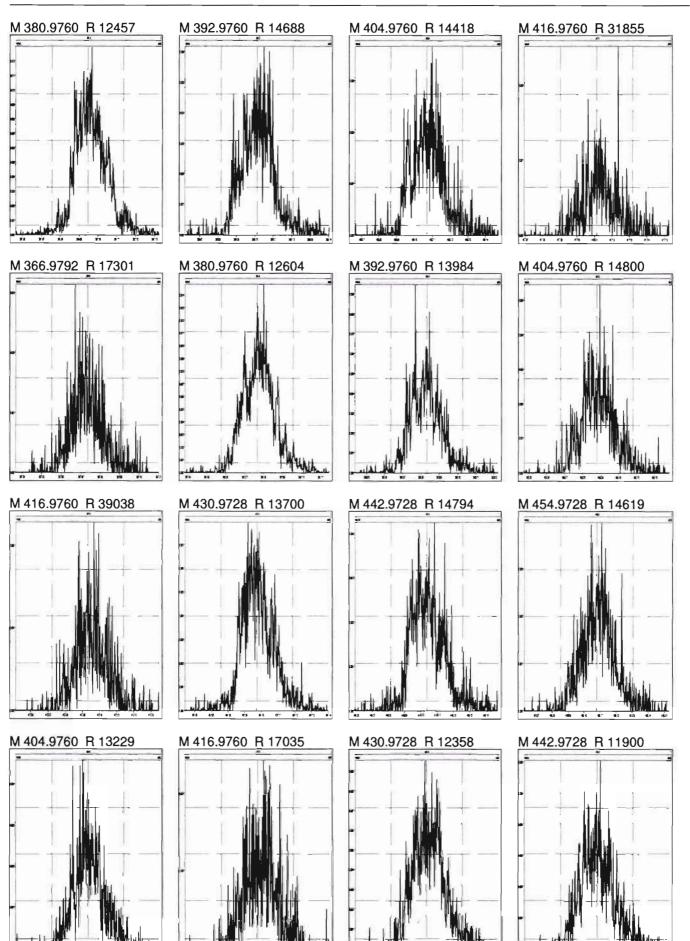
Page 211 of 638

Resolution Check Report

MassLynx 4.1

Printed:

Tuesday, June 23, 2020 21:25:23 Pacific Daylight Time



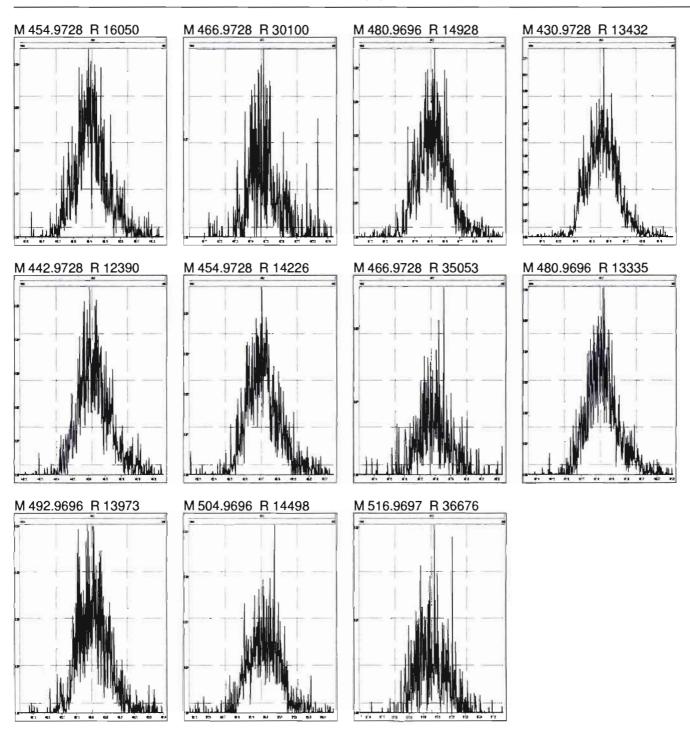
Work Order 2001155

Resolution Check Report

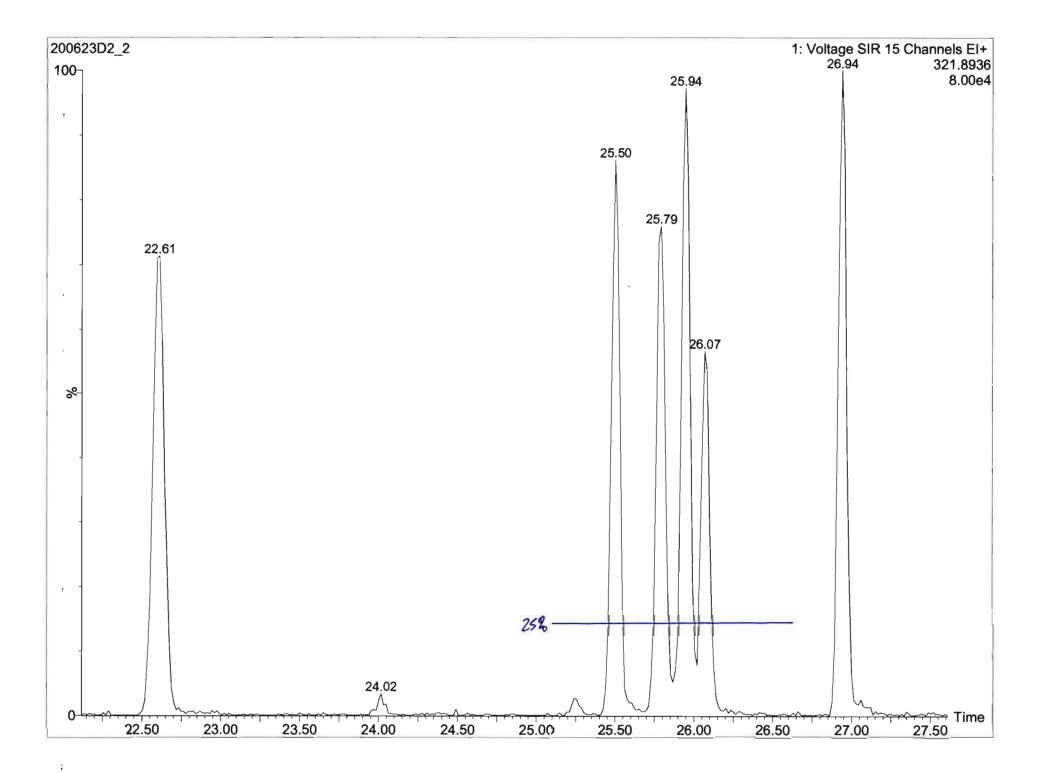
MassLynx 4.1

Printed:

Tuesday, June 23, 2020 21:25:23 Pacific Daylight Time



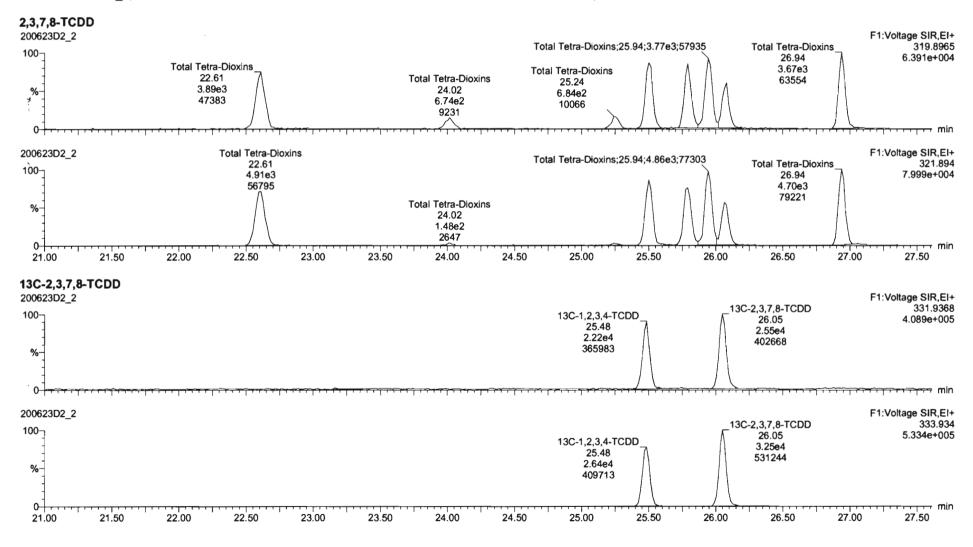
2.2



Quantify Sam Vista Analytica		Page 1 of 13
Dataset:	U:\VG7.PRO\Results\200623D2\200623D2_2.qld	
Last Altered: Printed:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time	

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Quantify Sample Report	MassLynx 4.1
Vista Analytical Laboratory	

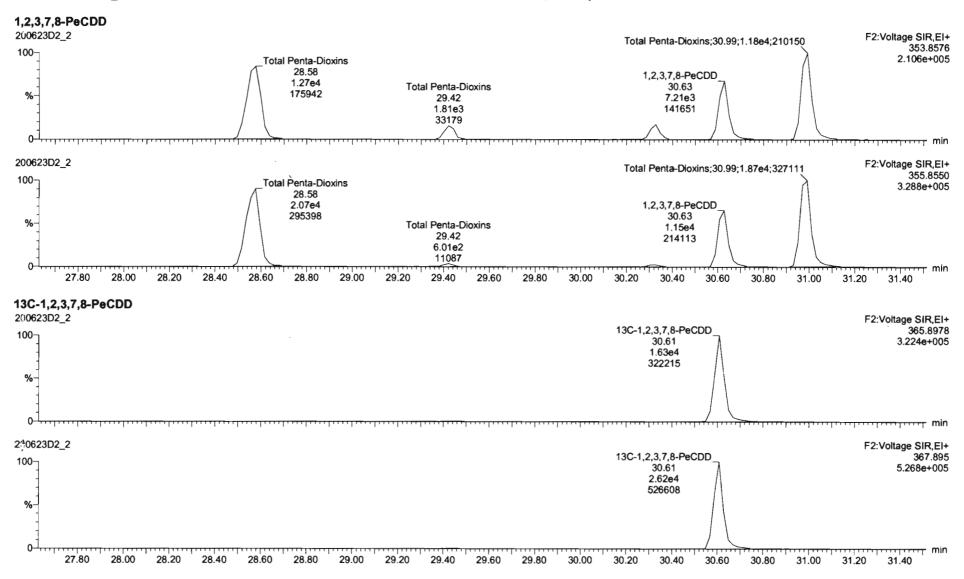
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

Last Altered:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

37CI-2,3,7,8-TCDD 200623D2_2 F1:Voltage SIR,EI+ 37CI-2,3,7,8-TCDD 327.884 100 -26.07 8.177e+004 5.26e3 81561 % min er T 0 25.50 26.00 26.50 23.00 23.50 24.00 24.50 25.00 27.00 27.50 21.00 21.50 22.00 22.50 13C-1,2,3,4-TCDD 200623D2_2 F1:Voltage SIR,EI+ 13C-2,3,7,8-TCDD 331.9368 100-13C-1,2,3,4-TCDD 26.05 4.089e+005 25.48 2.55e4 ۰. 2.22e4 402668 365983 %min erferenting 0 F1:Voltage SIR,EI+ 200623D2_2 13C-2,3,7,8-TCDD 333.934 100-26.05 5.334e+005 13C-1,2,3,4-TCDD 3.25e4 25.48 531244 2.64e4 %-409713 0--- min 26.00 26.50 27.00 27.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50

Quantify Sam Vista Analytica		Page 3 of 13
Dataset:	U:\VG7.PRO\Results\200623D2\200623D2_2.qld	
Last Altered: Printed:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time	

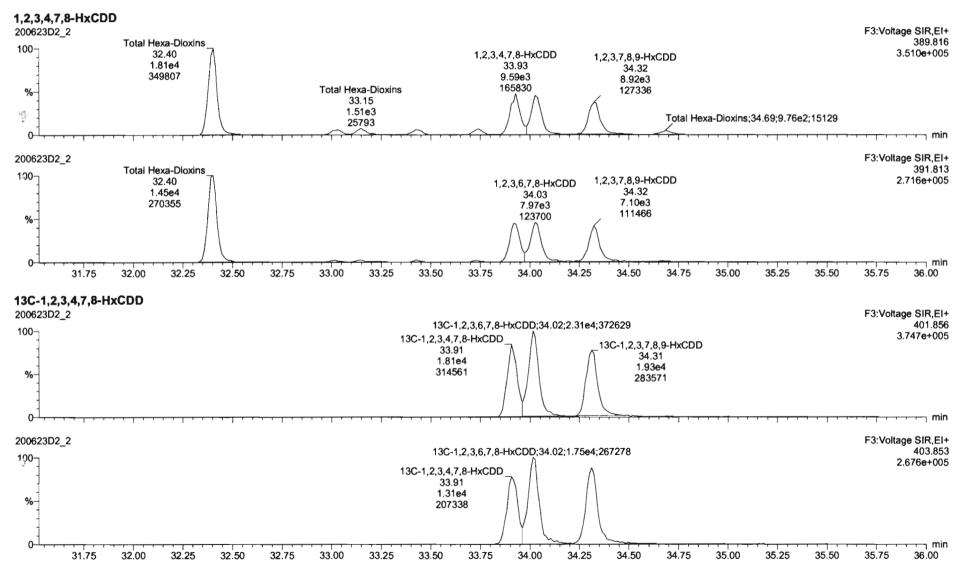


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

Last Altered:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

Náme: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

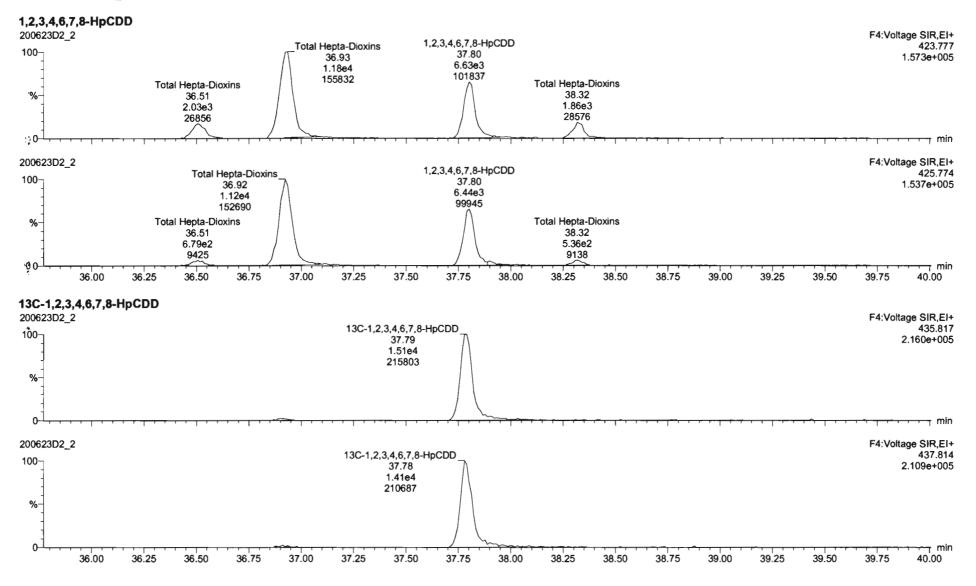


ġ,

Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

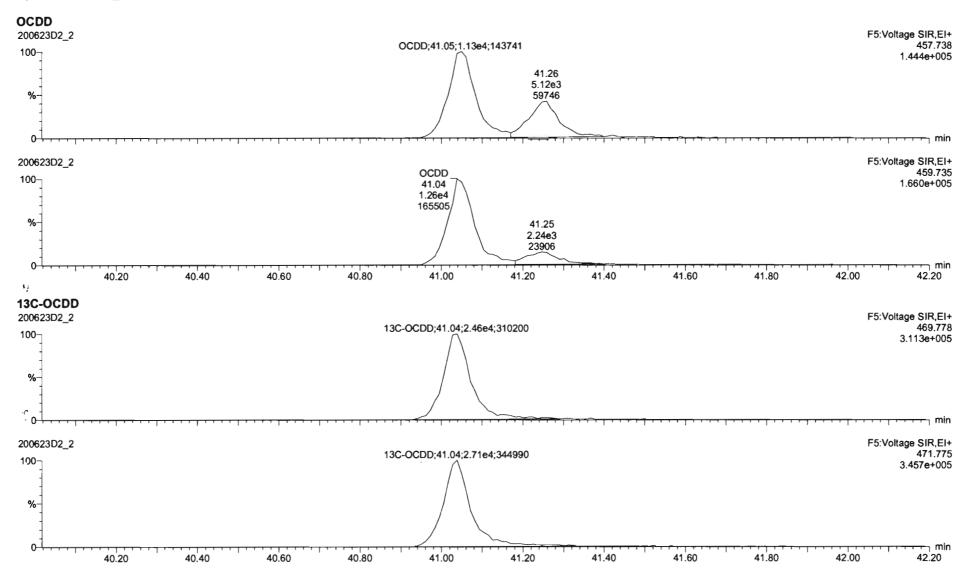
Last Altered:Wednesday, June 24, 2020 10:29:41 Pacific Daylight TimePrinted:Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

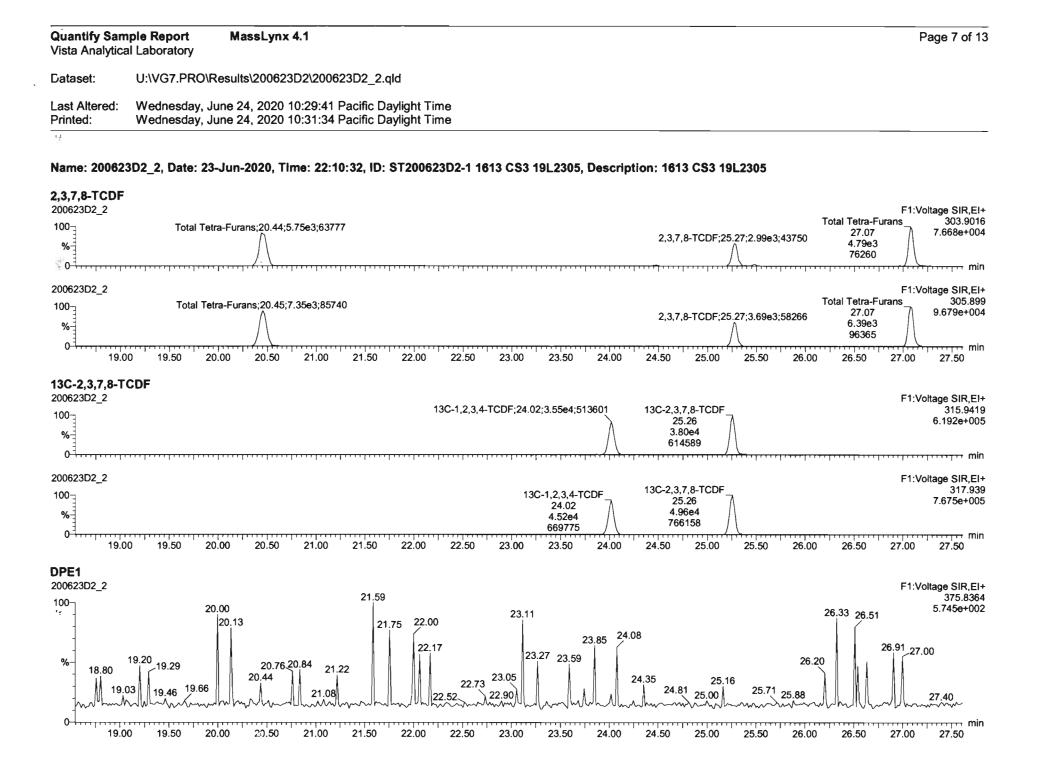


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

Lest Altered:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
P. inted:	Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time



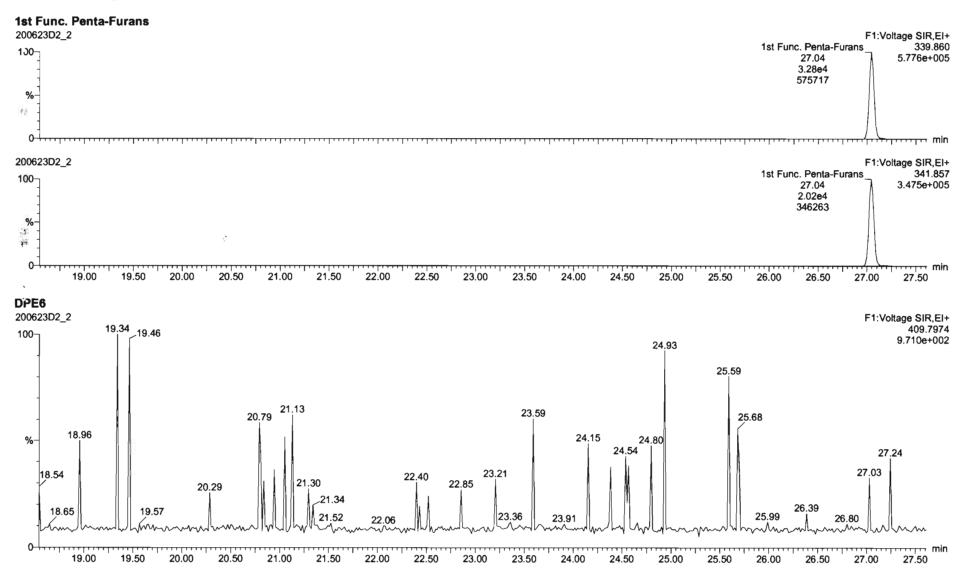


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

Last Altered:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Work Order 2001155

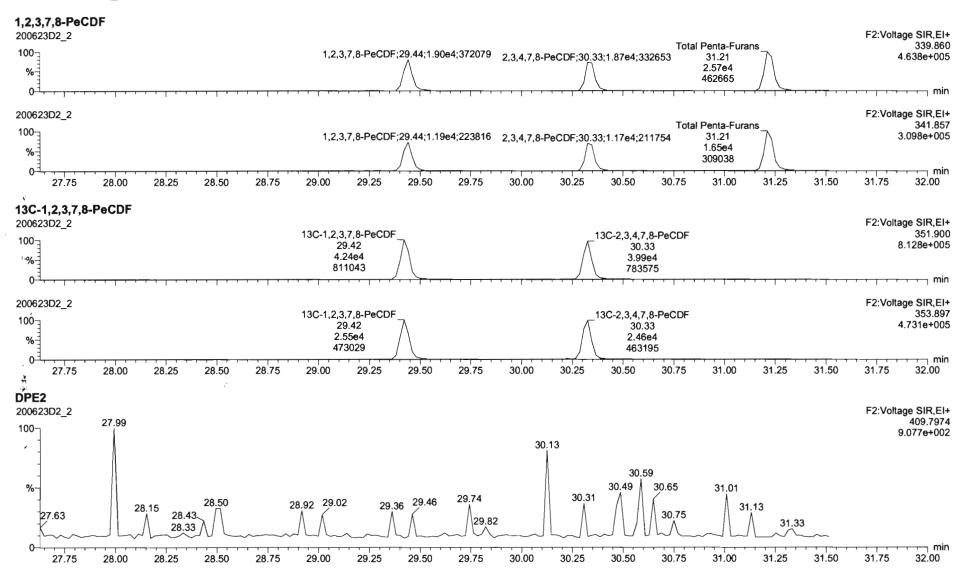
٠.,

Quantify Sample Report MassLynx 4.1

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

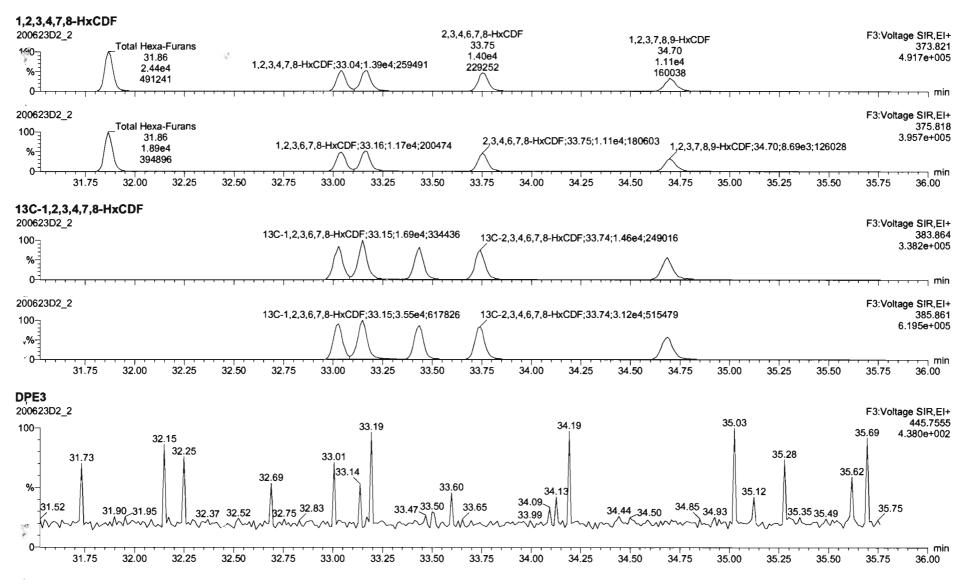
Last Altered:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time



Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

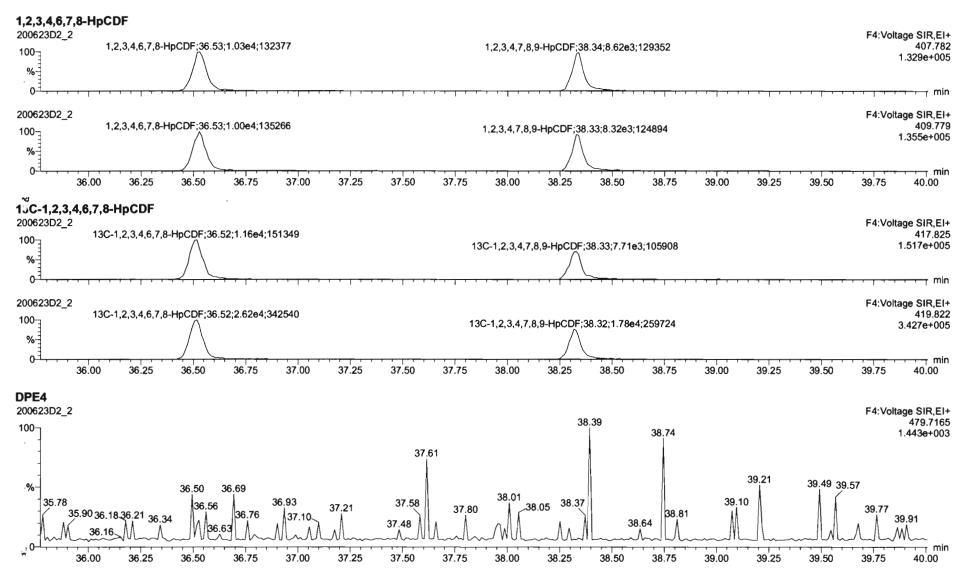
Läst Altered: Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time Printed: Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time



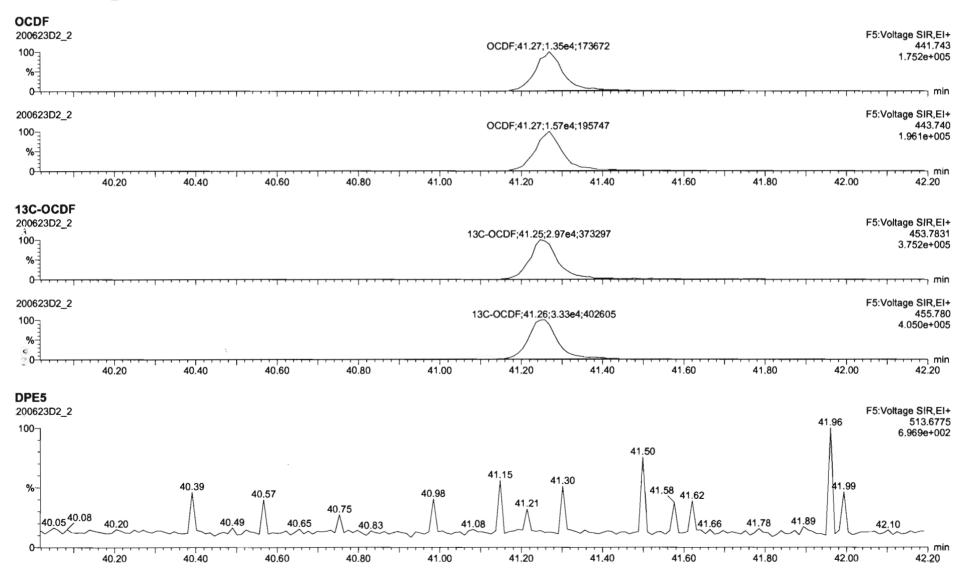
Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

Last Altered:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time



Quantify San Vista Analytic		Page 12 of 13
Dataset:	U:\VG7.PRO\Results\200623D2\200623D2_2.qld	
Last Altered: Printed:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time	

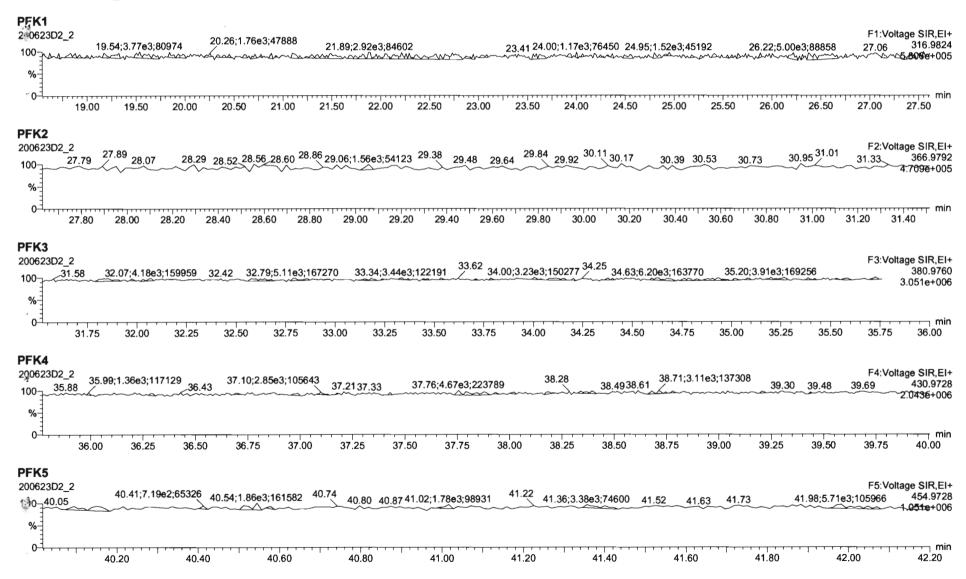


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory

Page 13 of 13

Cristaset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

Last Altered: Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time Printed: Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

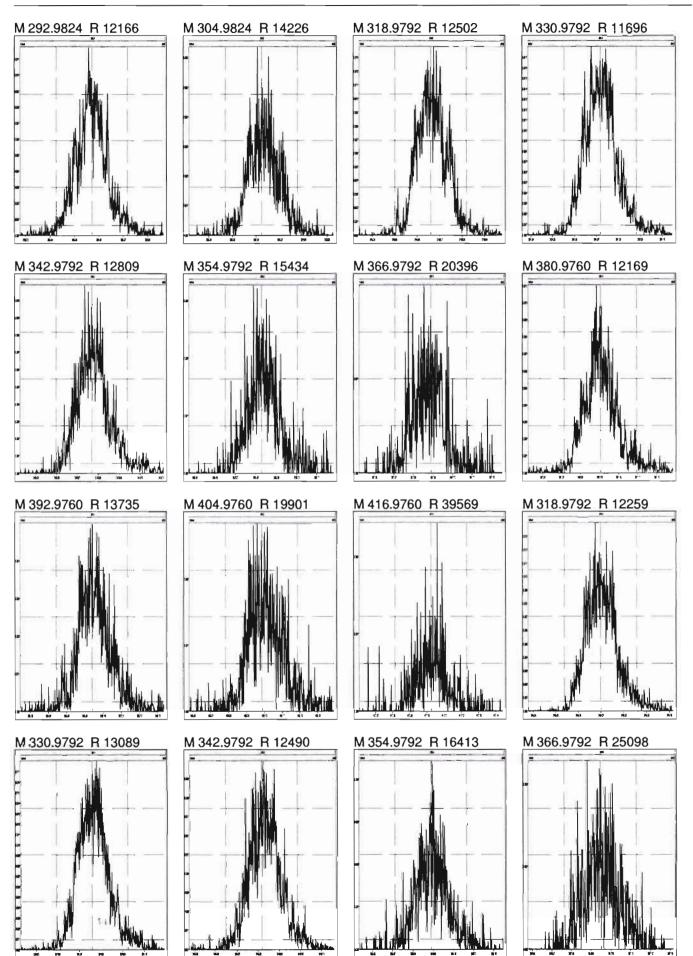


Resolution Check Report

MassLynx 4.1



Wednesday, June 24, 2020 05:05:31 Pacific Daylight Time



Work Order 2001155

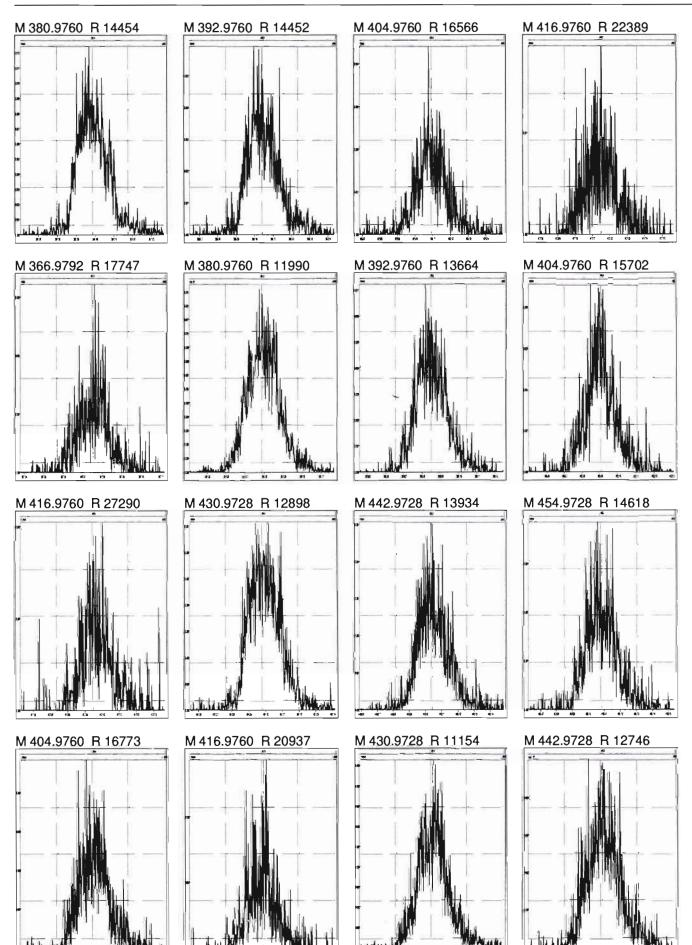
Page 228 of 638

Resolution Check Report

MassLynx 4.1



Wednesday, June 24, 2020 05:05:31 Pacific Daylight Time



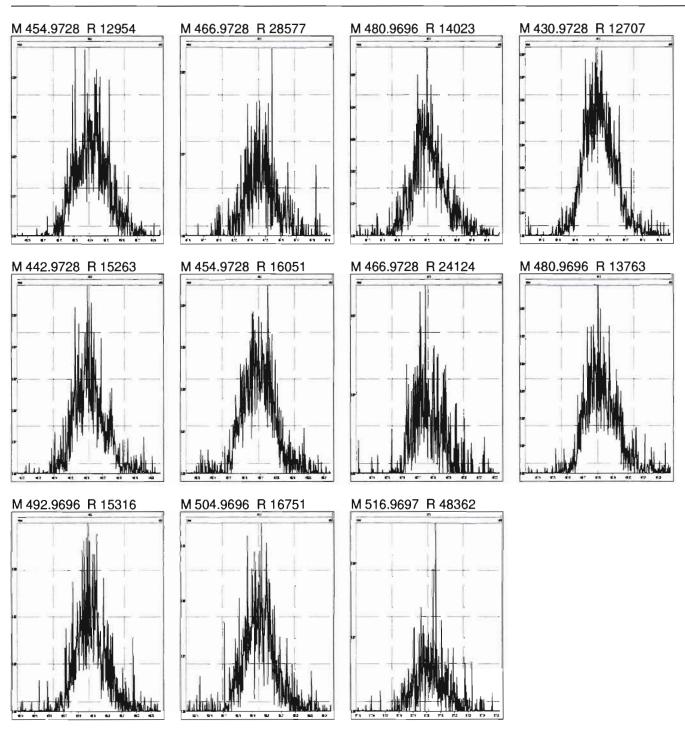
Work Order 2001155

Resolution Check Report

MassLynx 4.1

Printed:

Wednesday, June 24, 2020 05:05:31 Pacific Daylight Time



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID:ST200628P1-		R	initiais & Date	-	
End Calibration ID:NA					
	Beg.	End		Beg.	End
Ion abundance within QC limits?	1	NA	Mass resolution \geq	~	~
Concentrations within criteria?	\checkmark	¢	□ 5k □ 6-8K □ 8K 対 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	1		Intergrated peaks display correctly?	1	NA
First and last eluters present?			GC Break <20%		
Retention Times within criteria?	1		8280 CS1 End Standard:		
Verification Std. named correctly?			- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		NA
(ST-Year-Month-Day-VG ID)					
Forms signed and dated?	V		Comments:		
Correct ICAL referenced?	GRO				
Run Log:					
- Correct instrument listed?	1	V			
- Samples within 12 hour clock?	Ŷ	N			
- Bottle position verfied?	G	RB			

Quantify Sam Vista Analytica	ple Summary Report MassLynx 4.1 SCN815 al Laboratory	Page 1 of 2
Dataset:	U:\VG12.PRO\Results\200628R1\200628R1-1.qld	
Last Altered: Printed:	Monday, June 29, 2020 06:42:23 Pacific Daylight Time Monday, June 29, 2020 06:42:53 Pacific Daylight Time	GEB 06/29/20
	G12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45	C7 06/29/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

	# Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	5.44e4	5.76e5	0.75	NO	0.888	26.50	26.48	NO	1.001	1.001	10.633	106	NO
2	2 1.2.3.7 8-PeCDD	1.71e5	4.06e5	0.64	NO	0 908	31.46	31 45	NO	1.001	1.000	46.533	93.1	NO
3	3 1.2.3.4.7.8-HxCDD	1.27e5	2.55e5	1.25	NO	1.03	34.82	34.84	NO	1.000	1.001	48.387	96.8	NO
4	4 1.2.3.6.7.8-HxCDD	1.99e5	4.42e5	1.21	NO	0.892	34.92	34 93	NO	1.000	1.000	50.508	101	NO
5	5 1,2,3,7,8,9-HxCDD	1.60e5	3.72e5	1.21	NO	0.887	35.22	35.22	NO	1.000	1.000	48 601	97.2	NO
6	6 1,2,3,4,6,7,8-HpCDD	1.04e5	2.43e5	1.02	NO	0.864	38.77	38 77	NO	1.000	1.000	49.576	99.2	NO
7.	7 OCDD	2.16e5	4.79e5	0.87	NO	0.914	41.75	41.77	NO	1.000	. 1.001	98.717 [.]	98.7	NO
8	8 2,3,7,8-TCDF	5.26e4	6.92e5	0.73	NO	0.751	25.60	25.59	NO	1.001	1.001	10.121	101	NO
9	9 1,2,3,7.8-PeCDF	2.65e5	6.24e5	1.55	NO	0.893	30.17	30 17	NO	1.001	1.001	47 560	95.1	NO
10	10 2,3,4,7,8-PeCDF	2.63e5	5.67e5	1.58	NO	0.935	31.18	31.16	NO	1.001	1.000	49.579	99.2	NO
11	11 1,2,3,4,7,8-HxCDF	1.57e5	3.52e5	1.23	NO	0.884	33.94	33.96	NO	1.000	1.001	50.340	101	NO
12	12 1,2,3.6,7,8-HxCDF	2.28e5	5.20e5	1.21	NO	0.889	34.08	34.08	NO	1.000	1.000	49.426	98.9	NO
13	13 2,3,4,6,7,8-HxCDF	1.86e5	4.29e5	1.21	NO	0.934	34.69	34.67	NO	1.001	1.000	46.310	92.6	NO
14	14 1,2,3,7,8,9-HxCDF	1.38e5	3.17e5	1.20	NO	0.871	35.57	35.58	NO	1.000	1.000	49.901	99.8	NO
15	15 1,2,3.4,6,7.8 HpCDF	1.44e5	3.15e5	1.92	NO	0.873	37.38	37 36	NO	1.001	1.001	52.314	105	NO
16	16 1,2,3,4,7,8,9-HpCDF	1.05e5	1.98e5	1.00	NO	1.01	39.30	39.32	NO	1.000	1.001	52.180	104	NO
17	17 OCDF	2.27e5	5.51e5	0.87	NO	0.806	41.94	41.95	NO	1.000	1.000	102.11	102	NO
18	18 13C-2,3,7,8-TCDD	5.76e5	4.43e5	0.80	NO	1.16	26.49	26.47	NO	1.026	1.026	112.30	112	NO
19	19 13C-1,2,3,7,8-PeCDD	4.06e5	4.43e5	0.63	NO	0.849	31.67	31.44	NO	1.227	1.218	107.73	108	NO
20	20 13C-1,2,3,4,7,8-HxCDD	2.55e5	3.78e5	1.29	NO	0.779	34.82	34.81	NO	1.014	1.014	86.548	86.5	NO
21	21 13C-1,2,3,6,7.8-HxCDD	4.42e5	3.78e5	1.26	NO	1.02	34.93	34.92	NO	1.017	1.017	115.01	115	NO
22	22 13C-1,2,3,7.8,9-HxCDD	3.72e5	3.78e5	1.25	NO	0.903	35.20	35.21	NO	1.025	1.025	109.14	109	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.43e5	3.78e5	1.03	NO	0.689	38.73	38.76	NO	1.128	1.129	93.457	93.5	NO
24	24 13C-OCDD	4.79e5	3.78e5	0.88	NO	0.652	41.75	41.75	NO	1.216	1.216	194.24	97.1	NO
25	25 13C-2,3,7,8-TCDF	6.92e5	6.26e5	0.73	NO	1.06	25.53	25.57	NO	0.989	0.991	104.31	104	NO
26	26 13C-1,2,3,7,8-PeCDF	6.24e5	6.26e5	1.58	NO	0.838	30.06	30.15	NO	1.165	1.168	118.92	119	NO
27	.27 13C-2,3,4,7,8-PeCDF	5.67e5	6.26e5	1.62	NO	0.817	31.01	31.15	NO	1.202	1.207	110.92	111	NO
28	28 13C-1,2,3,4,7,8-HxCDF	3.52e5	3.78e5	0.50	NO	1.01	33.95	33.94	NO	0.989	0.989	92.485	92.5	NO
29	29 13C-1,2,3,6,7,8-HxCDF	5 20e5	3.78e5	0.51	NO	1,17	34.07	34.07	NO	0.992	0.992	117.92	118	NO
30	30 13C-2,3,4,6,7,8-HxCDF	4.29e5	3.78e5	0.51	NO	1.02	34.65	34.65	NO	1.009	1.009	111.23	111	NO

Quantify Sample Summary ReportMassLynx 4.1 SCN815Vista Analytical Laboratory

Page 2 of 2

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-1.qld

Last Altered:	Monday, June 29, 2020 06:42:23 Pacific Daylight Time
Printed:	Monday, June 29, 2020 06:42:53 Pacific Daylight Time

	# Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
31	31 13C-1,2,3,7,8,9-HxCDF	3.17e5	3.78e5	0.51	NO	0.860	35.55	35.57	NO	1.035	1.036	97.554	97.6	NO
32	32 13C-1,2,3,4,6,7,8-HpCDF	3.15e5	3.78e5	0.43	NO	0.774	37.30	37.34	NO	1.086	1.087	107.64	108	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.98e5	3.78e5	0.43	NO	0.521	39.32	39.30	NO	1.145	1.145	100.51	101	NO
34	34 13C-OCDF	5.51e5	3.78e5	0.86	NO	0.746	41.92	41,94	NO	1.221	1.221	195.72	97.9	NO
35	35 37CI-2,3,7,8-TCDD	5.06e4	4.43e5			1.04	26.52	26.48	NO	1.028	1.026	11.006	110	NO
36	36 13C-1,2,3,4-TCDD	4.4 3 e5	4.43e5	0.79	110	1.00	25.89	25.81	NO	1 000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	6.26e5	6.26e5	0.78	NO	1.00	24.36	24.12	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	3.78e5	3.78e5	0.54	NO	1.00	34.42	34.34	NO	1.000	1.000	100.00	100	YESOK

	nple Summary Report al Laboratory VG-11	MassLynx 4.1 SCN815	Page 1 of 1
Dataset:	Untitled		
Last Altered: Printed:		6:43:07 Pacific Daylight Time 6:43:28 Pacific Daylight Time	

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.46
2	2 1,2,8.9-TCDD (Last)	27.44
3	3 1,2,4,7.9-PeCDD (First)	29.24
4	4 1.2.3.8.9-PeCDD (Last)	31.85
5	5 1,2,4,6,7,9-HxCDD (First)	33.33
6	6 1,2,3,7,8,9-HxCDD (Last)	35.22
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.75
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.77
9	9 1,3,6,8-TCDF (First)	20.32
10	10 1,2,8,9-TCDF (Last)	27.61
11	11 1,3,4,6,8-PeCDF (First)	27.56
12	12 1,2,3,8,9-PeCDF (Last)	32.09
13	13 1,2,3,4.6,8-HxCDF (First)	32.78
14	14 1,2,3.7,8,9-HxCDF (Last)	35.58
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.36
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.32

Quantify Compound Summary ReportMassLynx 4.1 SCN815Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered:Monday, June 29, 2020 06:50:53 Pacific Daylight TimePrinted:Monday, June 29, 2020 06:51:07 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Compound name: 2,3,7,8-TCDD

NameIDAcq.DateAcq.Time1200628R1_1ST200628R1_1 1613 CS3 19L230528-Jun-2010:25:292200628R1_2B0F0202-BS1 OPR 1028-Jun-2011:11:443200628R1_3B0F0244-BS1 OPR 528-Jun-2011:57:554200628R1_4SOLVENT BLANK28-Jun-2012:44:075200628R1_5B0F0202-BLK1 Method Blank 1028-Jun-2013:30:196200628R1_6B0F0244-BLK1 Method Blank 528-Jun-2014:16:297200628R1_720061132-03 PDI-172SC-A-05-06-200520 10.9628-Jun-2015:02:418200628R1_82001155-01 PDI-1175SC-A-01-02-200522 11.0828-Jun-2015:48:539200628R1_92001155-02 PDI-175SC-A-01-02-200522 11.0328-Jun-2016:35:0410200628R1_102001155-03 PDI-175SC-A-01-02-200522 11.0328-Jun-2018:07:2812200628R1_12B0F0086-DUP2 Duplicate 11.4928-Jun-2018:53:3913200628R1_132001155-05 PDI-175SC-A-03-04-200522 11.5828-Jun-2018:53:3914200628R1_142001223-01 Omega Gelly 528-Jun-2019:39:4914200628R1_15B0F0202-DUP1 Duplicate 13.6428-Jun-2020:26:0015200628R1_15B0F0202-DUP1 Duplicate 13.6428-Jun-2021:12:13					
2200628R1_2B0F0202-BS1 OPR 1028-Jun-2011:11:443200628R1_3B0F0244-BS1 OPR 528-Jun-2011:57:554200628R1_4SOLVENT BLANK28-Jun-2012:44:075200628R1_5B0F0202-BLK1 Method Blank 1028-Jun-2013:30:196200628R1_6B0F0244-BLK1 Method Blank 528-Jun-2014:16:297200628R1_720061132-03 PDI-172SC-A-05-06-200520 10.9628-Jun-2015:02:418200628R1_82001155-01 PDI-1175SC-A-01-02-200522 11.0828-Jun-2015:48:539200628R1_92001155-02 PDI-175SC-A-01-02-200522 11.0228-Jun-2016:35:0410200628R1_102001155-03 PDI-175SC-A-01-02-200522 11.0328-Jun-2017:21:1611200628R1_112001155-04 PDI-175SC-A-01-02-200522 11.0328-Jun-2018:07:2812200628R1_12B0F0086-DUP2 Duplicate 11.4928-Jun-2018:53:3913200628R1_132001155-05 PDI-175SC-A-03-04-200522 11.5828-Jun-2019:39:4914200628R1_142001223-01 Omega Gelly 528-Jun-2020:26:00		Name	ID	Acq.Date	Acq.Time
3 200628R1_3 B0F0244-BS1 OPR 5 28-Jun-20 11:57:55 4 200628R1_4 SOLVENT BLANK 28-Jun-20 12:44:07 5 200628R1_5 B0F0202-BLK1 Method Blank 10 28-Jun-20 13:30:19 6 200628R1_6 B0F0244-BLK1 Method Blank 5 28-Jun-20 14:16:29 7 200628R1_7 2001132-03 PDI-172SC-A-05-06-200520 10.96 28-Jun-20 15:02:41 8 200628R1_8 2001155-01 PDI-1175SC-A-01-02-200522 11.08 28-Jun-20 15:48:53 9 200628R1_9 2001155-02 PDI-175SC-A-01-02-200522 11.02 28-Jun-20 16:35:04 10 200628R1_10 2001155-03 PDI-175SC-A-01-02-200522 11.03 28-Jun-20 17:21:16 11 200628R1_11 2001155-04 PDI-175SC-A-01-02-200522 11.03 28-Jun-20 18:07:28 12 200628R1_11 2001155-04 PDI-175SC-A-02-03-200522 11.47 28-Jun-20 18:53:39 13 200628R1_12 B0F0086-DUP2 Duplicate 11.49 28-Jun-20 18:53:39 13 200628R1_13 2001155-05 PDI-175SC-A-03-04-200522 11.58 28-Jun-20 18:53:39 14 200628R1_14 2001155-05 PDI-175SC-A-03-04-200522	1	200628R1_1	ST200628R1_1 1613 CS3 19L2305	28-Jun-20	10:25:29
4200628R1_4SOLVENT BLANK28-Jun-2012:44:075200628R1_5B0F0202-BLK1 Method Blank 1028-Jun-2013:30:196200628R1_6B0F0244-BLK1 Method Blank 528-Jun-2014:16:297200628R1_72006132-03 PDI-172SC-A-05-06-200520 10.9628-Jun-2015:02:418200628R1_82001155-01 PDI-1175SC-A-01-02-200522 11.0828-Jun-2015:48:539200628R1_92001155-02 PDI-175SC-A-00-01-200522 11.0228-Jun-2016:35:0410200628R1_102001155-03 PDI-175SC-A-01-02-200522 11.0328-Jun-2017:21:1611200628R1_112001155-04 PDI-175SC-A-01-02-200522 11.4728-Jun-2018:07:2812200628R1_12B0F0086-DUP2 Duplicate 11.4928-Jun-2018:53:3913200628R1_132001155-05 PDI-175SC-A-03-04-200522 11.5828-Jun-2019:39:4914200628R1_142001223-01 Omega Gelly 528-Jun-2020:26:00	2	200628R1_2	B0F0202-BS1 OPR 10	28-Jun-20	11:11:44
5200628R1_5B0F0202-BLK1 Method Blank 1028-Jun-2013:30:196200628R1_6B0F0244-BLK1 Method Blank 528-Jun-2014:16:297200628R1_72001132-03 PDI-172SC-A-05-06-200520 10.9628-Jun-2015:02:418200628R1_82001155-01 PDI-1175SC-A-01-02-200522 11.0828-Jun-2015:48:539200628R1_92001155-02 PDI-175SC-A-00-01-200522 11.0228-Jun-2016:35:0410200628R1_102001155-03 PDI-175SC-A-01-02-200522 11.0328-Jun-2017:21:1611200628R1_112001155-04 PDI-175SC-A-01-02-200522 11.4728-Jun-2018:07:2812200628R1_12B0F0086-DUP2 Duplicate 11.4928-Jun-2018:53:3913200628R1_132001155-05 PDI-175SC-A-03-04-200522 11.5828-Jun-2019:39:4914200628R1_142001223-01 Omega Gelly 528-Jun-2020:26:00	3	200628R1_3	B0F0244-BS1 OPR 5	28-Jun-20	11:57:55
6200628R1_6B0F0244-BLK1 Method Blank 528-Jun-2014:16:297200628R1_72001132-03 PDI-172SC-A-05-06-200520 10.9628-Jun-2015:02:418200628R1_82001155-01 PDI-1175SC-A-01-02-200522 11.0828-Jun-2015:48:539200628R1_92001155-02 PDI-175SC-A-00-01-200522 11.0228-Jun-2016:35:0410200628R1_102001155-03 PDI-175SC-A-01-02-200522 11.0328-Jun-2017:21:1611200628R1_112001155-04 PDI-175SC-A-01-02-200522 11.4728-Jun-2018:07:2812200628R1_12B0F0086-DUP2 Duplicate 11.4928-Jun-2018:53:3913200628R1_132001155-05 PDI-175SC-A-03-04-200522 11.5828-Jun-2019:39:4914200628R1_142001223-01 Omega Gelly 528-Jun-2020:26:00	4	200628R1_4	SOLVENT BLANK	28-Jun-20	12:44:07
7200628R1_72001132-03 PDI-172SC-A-05-06-200520 10.9628-Jun-2015:02:418200628R1_82001155-01 PDI-1175SC-A-01-02-200522 11.0828-Jun-2015:48:539200628R1_92001155-02 PDI-175SC-A-00-01-200522 11.0228-Jun-2016:35:0410200628R1_102001155-03 PDI-175SC-A-01-02-200522 11.0328-Jun-2017:21:1611200628R1_112001155-04 PDI-175SC-A-01-02-200522 11.0328-Jun-2018:07:2812200628R1_12B0F0086-DUP2 Duplicate 11.4928-Jun-2018:53:3913200628R1_132001155-05 PDI-175SC-A-03-04-200522 11.5828-Jun-2019:39:4914200628R1_142001223-01 Omega Gelly 528-Jun-2020:26:00	5	200628R1_5	B0F0202-BLK1 Method Blank 10	28-Jun-20	13:30:19
8 200628R1_8 2001155-01 PDI-1175SC-A-01-02-200522 11.08 28-Jun-20 15:48:53 9 200628R1_9 2001155-02 PDI-175SC-A-00-01-200522 11.02 28-Jun-20 16:35:04 10 200628R1_10 2001155-03 PDI-175SC-A-01-02-200522 11.03 28-Jun-20 17:21:16 11 200628R1_11 2001155-04 PDI-175SC-A-02-03-200522 11.47 28-Jun-20 18:07:28 12 200628R1_12 B0F0086-DUP2 Duplicate 11.49 28-Jun-20 18:53:39 13 200628R1_13 2001155-05 PDI-175SC-A-03-04-200522 11.58 28-Jun-20 19:39:49 14 200628R1_14 2001223-01 Omega Gelly 5 28-Jun-20 20:26:00	6	200628R1_6	B0F0244-BLK1 Method Blank 5	28-Jun-20	14:16:29
9 200628R1_9 2001155-02 PDI-175SC-A-00-01-200522 11.02 28-Jun-20 16:35:04 10 200628R1_10 2001155-03 PDI-175SC-A-01-02-200522 11.03 28-Jun-20 17:21:16 11 200628R1_11 2001155-04 PDI-175SC-A-02-03-200522 11.47 28-Jun-20 18:07:28 12 200628R1_12 B0F0086-DUP2 Duplicate 11.49 28-Jun-20 18:53:39 13 200628R1_13 2001155-05 PDI-175SC-A-03-04-200522 11.58 28-Jun-20 19:39:49 14 200628R1_14 2001223-01 Omega Gelly 5 28-Jun-20 20:26:00	7	200628R1_7	2001132-03 PDI-172SC-A-05-06-200520 10.96	28-Jun-20	15:02:41
10200628R1_102001155-03 PDI-175SC-A-01-02-200522 11.0328-Jun-2017:21:1611200628R1_112001155-04 PDI-175SC-A-02-03-200522 11.4728-Jun-2018:07:2812200628R1_12B0F0086-DUP2 Duplicate 11.4928-Jun-2018:53:3913200628R1_132001155-05 PDI-175SC-A-03-04-200522 11.5828-Jun-2019:39:4914200628R1_142001223-01 Omega Gelly 528-Jun-2020:26:00	8	200628R1_8	2001155-01 PDI-1175SC-A-01-02-200522 11.08	28-Jun-20	15:48:53
11200628R1_112001155-04 PDI-175SC-A-02-03-200522 11.4728-Jun-2018:07:2812200628R1_12B0F0086-DUP2 Duplicate 11.4928-Jun-2018:53:3913200628R1_132001155-05 PDI-175SC-A-03-04-200522 11.5828-Jun-2019:39:4914200628R1_142001223-01 Omega Gelly 528-Jun-2020:26:00	9	200628R1_9	2001155-02 PDI-175SC-A-00-01-200522 11.02	28-Jun-20	16:35:04
12 200628R1_12 B0F0086-DUP2 Duplicate 11.49 28-Jun-20 18:53:39 13 200628R1_13 2001155-05 PDI-175SC-A-03-04-200522 11.58 28-Jun-20 19:39:49 14 200628R1_14 2001223-01 Omega Gelly 5 28-Jun-20 20:26:00	10	200628R1_10	2001155-03 PDI-175SC-A-01-02-200522 11.03	28-Jun-20	17:21:16
13 200628R1_13 2001155-05 PDI-175SC-A-03-04-200522 11.58 28-Jun-20 19:39:49 14 200628R1_14 2001223-01 Omega Gelly 5 28-Jun-20 20:26:00	11	200628R1_11	2001155-04 PDI-175SC-A-02-03-200522 11.47	28-Jun-20	18:07:28
14 200628R1_14 2001223-01 Omega Gelly 5 28-Jun-20 20:26:00	12	200628R1_12	B0F0086-DUP2 Duplicate 11.49	28-Jun-20	18:53:39
	13 .	200628R1_13	2001155-05 PDI-175SC-A-03-04-200522 11.58	28-Jun-20	19:39:49
15 200628R1_15 B0F0202-DUP1 Duplicate 13.64 28-Jun-20 21:12:13	14	200628R1_14	2001223-01 Omega Gelly 5	28-Jun-20	20:26:00
	15	200628R1_15	B0F0202-DUP1 Duplicate 13.64	28-Jun-20	21:12:13

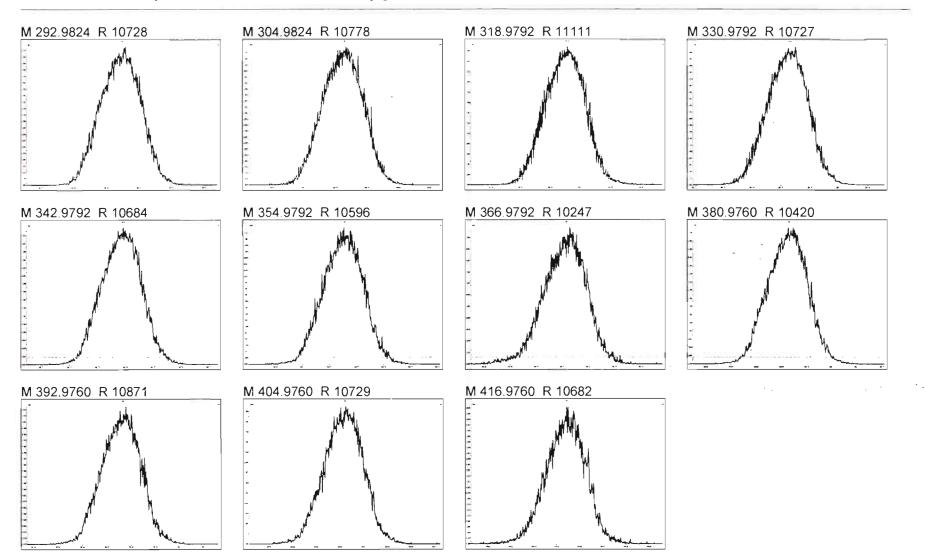
Page 1 of 1

MassLynx 4.1 SCN815

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed:

Sunday, June 28, 2020 10:20:48 Pacific Daylight Time



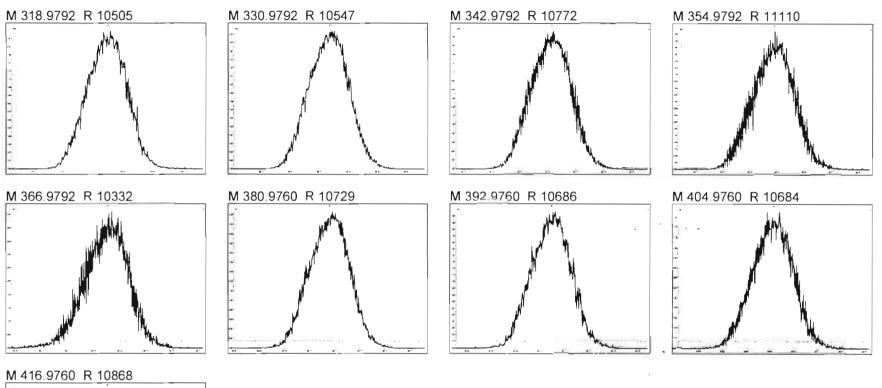
MassLynx 4.1 SCN815

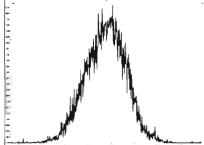
Page 1 of 1

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed:

Sunday, June 28, 2020 10:21:27 Pacific Daylight Time



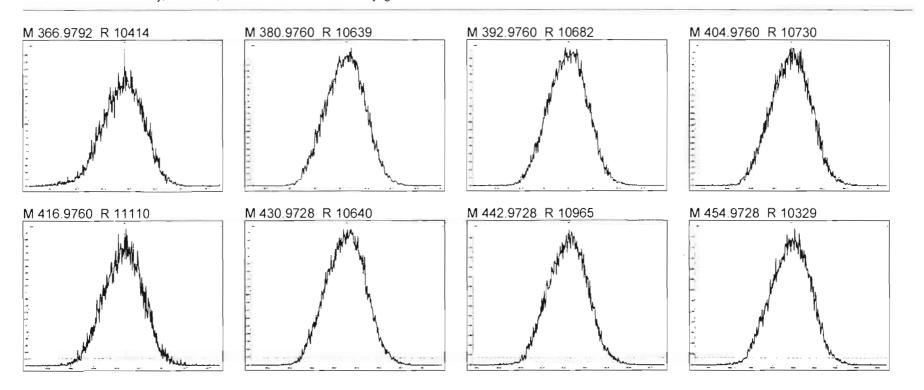


MassLynx 4.1 SCN815

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed:

Sunday, June 28, 2020 10:21:52 Pacific Daylight Time



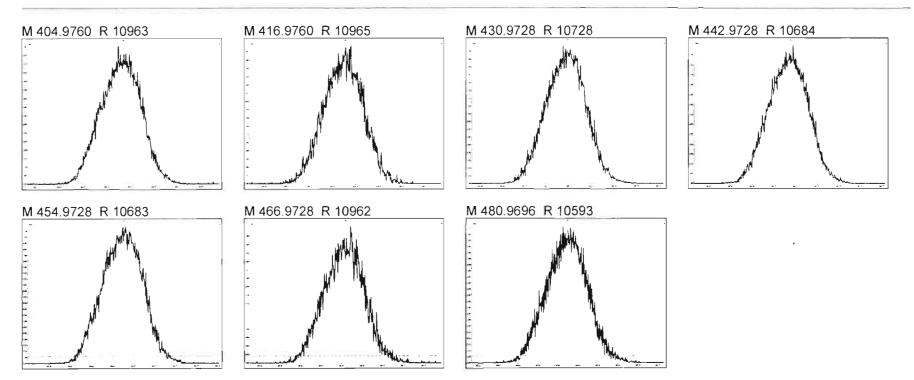
MassLynx 4.1 SCN815

Page 1 of 1

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed:

Sunday, June 28, 2020 10:22:07 Pacific Daylight Time



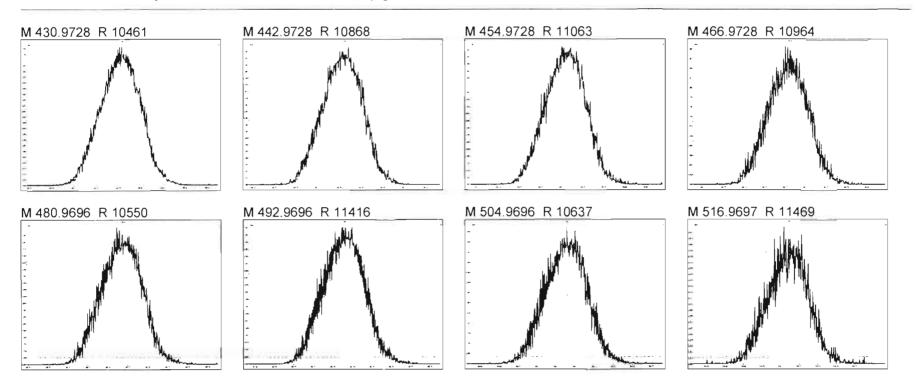
MassLynx 4.1 SCN815

Page 1 of 1

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed:

Sunday, June 28, 2020 10:22:24 Pacific Daylight Time



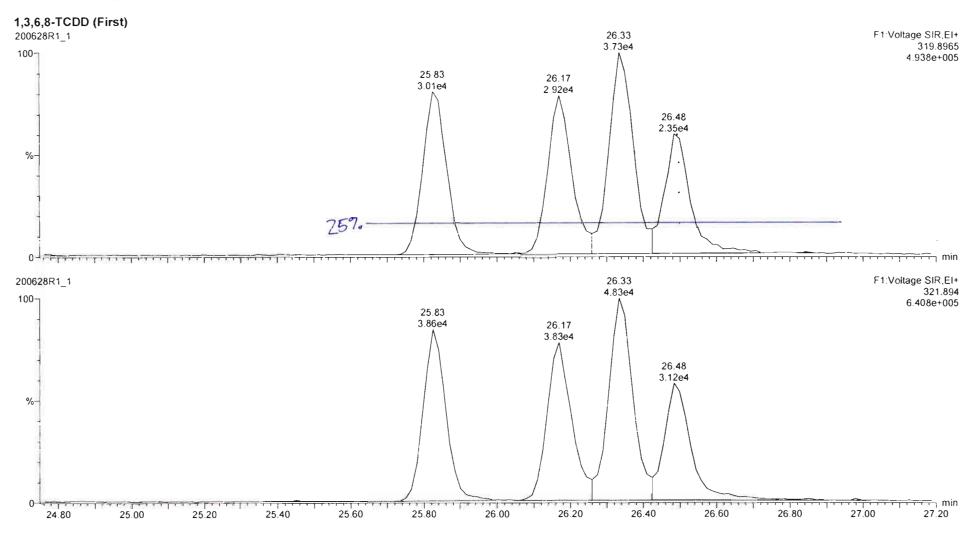
Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered:	Monday, June 29, 2020 06:43:07 Pacific Daylight Time
Printed:	Monday, June 29, 2020 06:43:28 Pacific Daylight Time

GRB 06/29/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

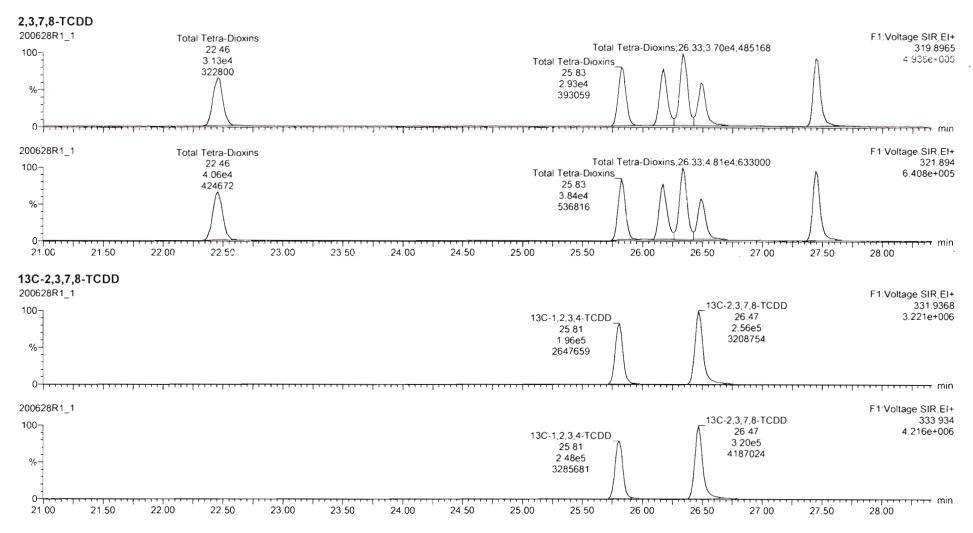


Quantify Sam Vista Analytica		Page 1 of 13
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:43:54 Pacific Daylight Time Monday, June 29, 2020 06:45:52 Pacific Daylight Time	
		· · ·

· 9.

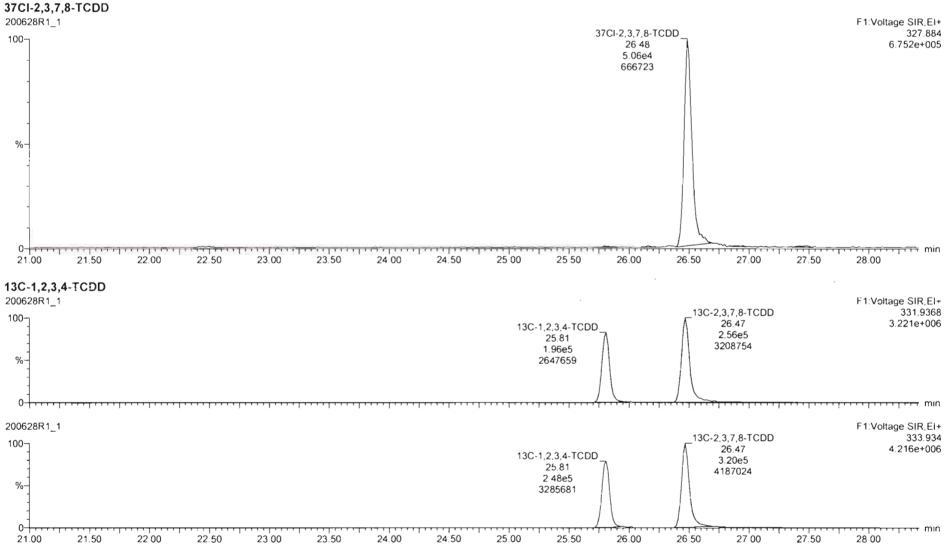
Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200628R1_1, Date: 28-Jun-2020, Time: 10:25:29, ID: ST200628R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



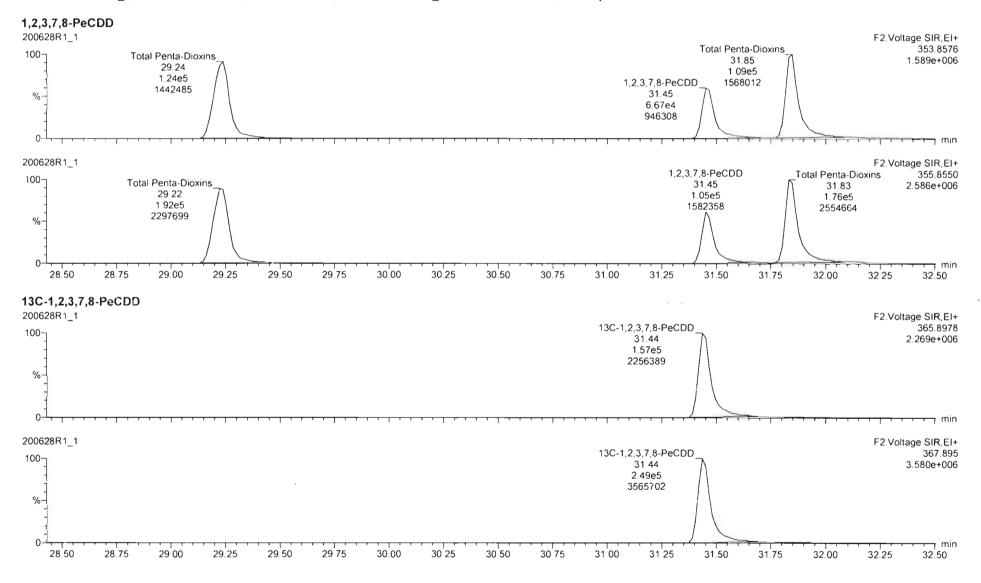
1.00

Quantify Sam Vista Analytica		Page 2 of 13
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:43:54 Pacific Daylight Time Monday, June 29, 2020 06:45:52 Pacific Daylight Time	



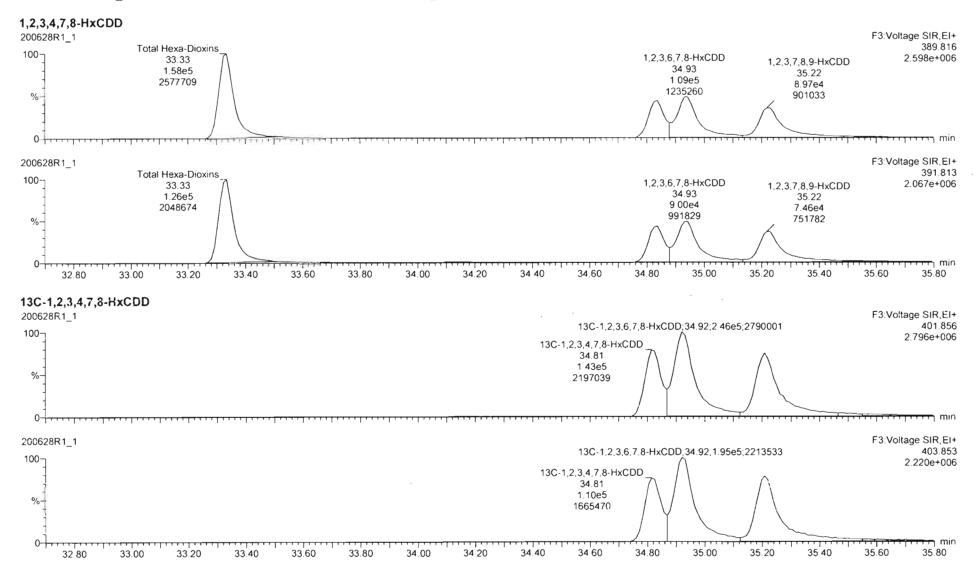
Work Order 2001155

Quantify San Vista Analytic	• •	MassLynx 4.1 SCN815	Page 3 of 13
Dataset:	Untitled		
Last Altered: Printed:		29, 2020 06:43:54 Pacific Daylight Time 29, 2020 06:45:52 Pacific Daylight Time	



Work Order 2001155

Quantify San Vista Analytica	• •	MassLynx 4.1 SCN815	Page 4 of 13
Dataset:	Untitled		
Last Altered: Printed:		29, 2020 06:43:54 Pacific Daylight Time 29, 2020 06:45:52 Pacific Daylight Time	



# Name 1 18 130-2 3 7 5-**CDD	Resp	E Resp	Pred R.A			1.1563		RT 2E 4**	RT Fing	Pred RRT	RAT	Conc		STD out	
18 130-21378-*CDD 9 130-12378-*CDD	4 06ef	4 = 305		5.5.2			1067		10	1 227	1213		101	1	
20 13C-1,2,3,4,7,8-HxCDD	2 55e5	3.78e5	1.24	1 25	NO	0.7790	34.82		NO	1.014			2.55	N	
21 130+1 2 3 6 T S-H+CDD	4.4265	17245				1.2167	24.82	24 82	1.5	1 617	1217		++4		
22 130123755-m/DE 23 030-1234678-McCDE	2.43e8	3 73ef		+ 14			58,75	25 TH	1.2	1 024	1125	104	92.0	14	
24 10:0000	4 "345	2 7545		: 99			47.78		10	1.215	1215		27.4	1+	
28 1104 5 13-1028	6 1241	1.1+	1.73	1.72	52	112265		24.8*	43	1999	\$ 77		1. 124		
1 . 26 13C-123-8-PeCCF	6-2465	0.7645		1.58				12.15	60	1.105	1 168		115		4
27 130-23 4 7.6-PeCDF 1 28 130-1 23 4 7.8-PeCDF	5-6765 3-5265	E 2605		0.50		5 1 165	11 10 1		NO NO	0.989	1 207	111	92 5	14	
28 130-1 2 3 4,7 8-HKCDF 29 130-1 2 3 6 1 8-HKCDF	f 10ef	2 75et		111				14.1	- 62	0.851	1 261		1. 112	1	
30 130-2.3'4 5.7 5-HxCDF	+ 24e5	3 78e5		110			24 # 1	34.26	60	1 868	1.009	111	219		
21 130-2314 SHUDE	13765	2.5		2 E I		\$ 3565	16.66	35.6.*	160	1.\$25	1.036	57.6	97.6	1 N	
32 130 1 2 3 4 6 7 8 HpCDF	1.1565	2.7845		0.42				17.74	40	1 005	1.06*	105	301	N N	
33 13C-1 2.2 4 7 8.9-MpCOF 34 13C-0CPF	195e5	3 7545 3 7545		0.86		1.5213	41.92		NO.	1 221	1 221		67.5	- u	
35 370-2378-7000	1.0544	1 4765			1	5360.1	26.85		NO	1 623	1014			2	
36 1301234-000	4.43e5	4 4345		0.75			25.55		50	1.000	1 000			74	
37 136 12.34 7005	16 26e5	£ 26e						24.12	15	1 000	1.050	100	172	N	
8. 38 130-1234.69-H+CCF	1.78e5	17245	0.23	484	112	1.5360	34.42	24.24	NØ.	1 900	1.000	100	100		3
											32 94	34 07		*jc	123 - " 8. HUCODI 38.81 111158 21 1679.824 132 - 12 3.4 5 3 HUCOVI 34 34 131744 44 1083035 34 57
Sel a marent			tin provin								13 24	34.05			12C-1232 # 1 B-PHICE # 1# 246033 80 3840 126 26 57
															A CONTRACTOR OF

200628R1_1 - ST200628R1_1 1613 CS3 19L2305 - 1613 CS3 19L2305

TargetLynx - 200628R1-1.cld * - [Chromatogram]

File Edit View Display Processing Window Help

X TORIZIO + FI # ?

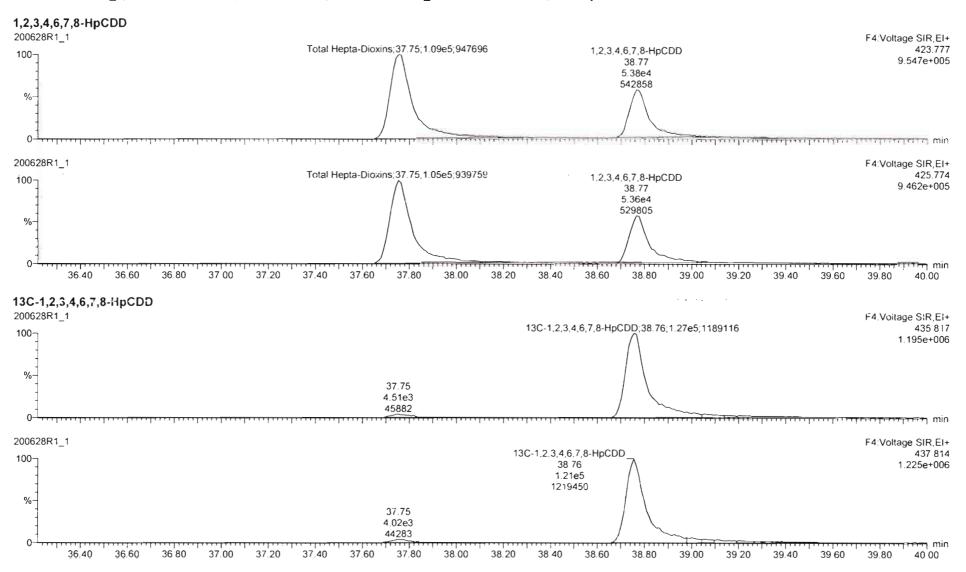
Resp IS Resp Pres R4 R4 My BRF Pres RT RT RT Fing Pres RRT RRT Core %Rec STD out

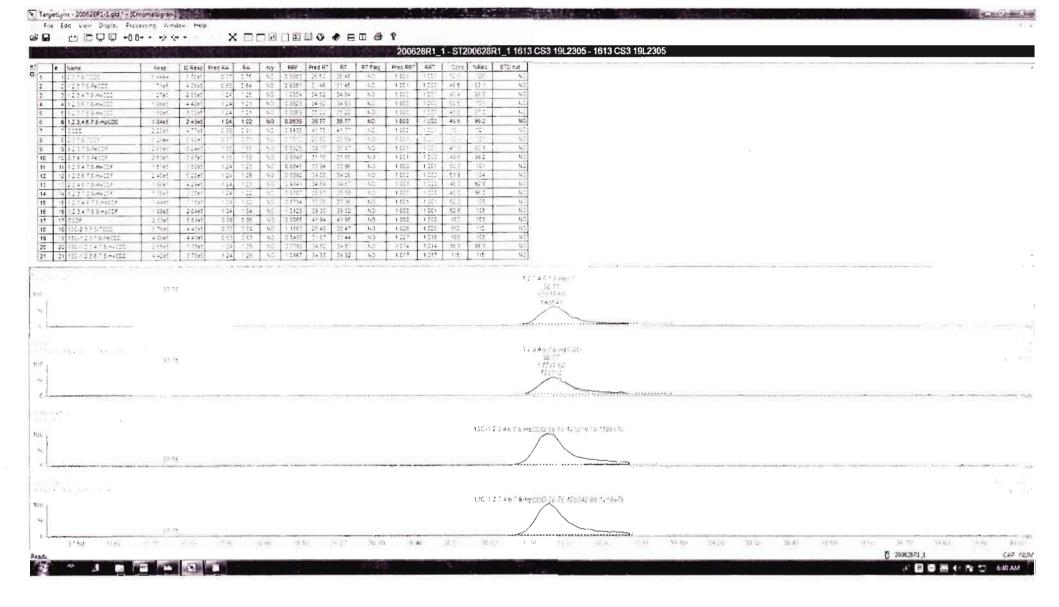
and the second stress

							_				2006	128R1_	1 - ST2	200628	_1 1613 CS3 19L2305 - 1613 CS3 19L2305	
	Name	Resp	15 Rest	Fred RA	EA.	6.4	FRF	Pred AT	RT.	RTFING	Pres ART	RRT	Cane	.Rec	STD eut	
	5 2374-222	5 4484	1 76ef	5.**	1. 4.75	1.45	0.852.7	1.1.1	34.35	- 40	1.001	1001	1.4	108	- NG	
F	112278-94000	1 thes	a title!	0.63	1.64	193	1 8081	2.48	21 45	350	1:001:	1 200	2.34	553:10	N0	
T	2 1 2 2 4 7 8-HKCCC	31265	2 :: *!	124	125	190	1 0334	14.82	34.84	5,0	1 000	1.001	42.4	5.19	10	
t	4 123678-HX200	1.9945	4 42e5	124	1.121	1.102	0 7923	24.52	34.93	183	1 000	1 365	50.5	4.4	110 H	
T	5 1.2.3.7.8.9-HxCDD	1.6065	3 72e5	1.24	121	NO	0.8869	35 72	35.22	NO	1.000	1 000	48.8	97.2	NO	
	8 11148 "SHOOD	07e5	1.450	1.24	1.05	10	2.26.26	31.22	12.27	945	1.000	11200	41	1.22	40	
	1 6600	2 2665	4.7765	0.39	1 63	65	1.2436	- 175	341.77	110	1 000	1.333	101	18	16	
Ī	6 227/8-700F	:1 25e4	E 92+1	4.00	1.72	122		.145	3.14	-52	1/601	1.321	10.5	54.4 ····	nD	
	3 11375-Recor	2 85e5	5 2403	1.54	1.61	145	0.5625	122.15	30.1 *	1.0	1001	1:001	47.8	55.1	65	
	C 2.3.47.3-94CSF	2=3#1	5 A 16	1.51	- 58	63	C 9342	31.16	31.10	10	1221	1.500	19.6	96.2	NO	
Γ	11 1.2 2.4 7,8-HKCOF	1 1765	2 52e5	124	523	10	-	11.84	22.96	NO	1 000	1.001	150.3	1.121	NO	
Γ	1113.676-HxCCF	2.40+5	£ 20e5	124	1 29				34 55	162	1 005	1 300	31.5	124	50	
1	3 2 5 4 6 5 8 HLCS F	1 16e+	41545	+24	1.1	5410		14.55		310	1001	1.203	46.2	12.6	1.2	
Γ	4 1 2 3 7 8 9 HISCOR	1 2665	. 2200	124	11	60	1076	12 67	25,55	50	1000	1.000	42.5	96.0	NO	
	IS 12 3 4 6 T S-MOCOR	4465	2.1505		1:62			1235	12.36	110	1.001	1.001	5.7	105	10	
L	16 1 2 3 4 7.8 S-HDCOF	1 05e5	2 2 4 4 5	194	1.04	140		24.15		1.0	1 000	1 201	52.6	125	6	
L	17 CCDF	-2 33ef	E Eles	\$ 29	88.2	140							-			
	18 130-2 2 7 5-7000	5.7665	4 4 3 6 5	0.27	1.111	10	_			-						
	5 13C-123-8-P(CCC	4 0685	4 43e5	0.63	0,62	NO.			+			+				
L	20 130-12 3 4.7 8-MXCDD	25565	3 75e5						-					-		
	136-111878-mcC00	4 4205	3 75e5	1.24	1.26	142	10161	24 12	34.92	50	1.017	1.011	11.5	114	80	
-	17 000F 18 130-2 2 7 8-7030 19 130-1 2 3 7 8-Pe0D0 20 130-1 2 3 4 7 8-Pe0D0	233ef 574e5 406e5 255ef	1 4 3 ef	0 29 0 77 0 61 1 24	1 88 1 83 0 60	5.5.5.5	0 306 5 0 1563 0 3490 0 7790	4194 28.45 31.67 74.62 34.92	41.95	N0 N0 N0 N0 N0	1000 1026 1027 1014 1017	* 000 1 008 1 236 1 244 1 017	103 112 108 36.5 115	103 112 108 86.5 116	NS NS NS NS NS NS NS 25 QL 25 QL 25 QL 25 QL 25 QL 25 QL 25 QL 25 QL 27 3 20	
	EV							24	4 84	34.9	à				2 77 8 9-44 CDD 35 22 72 540 31 75 909 (

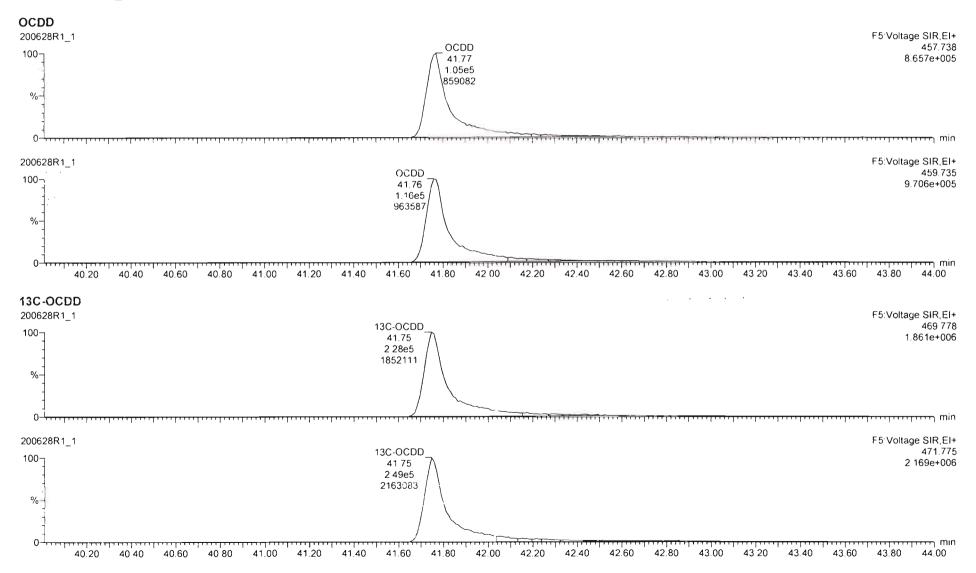
	34 81			M204		 	 	
111			34	7 S ()-H+CDC 5 24 895 69				
	34 81	34 92		7262				

Quantify San Vista Analytica		Page 5 of 13
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:43:54 Pacific Daylight Time Monday, June 29, 2020 06:45:52 Pacific Daylight Time	





Quantify Sam Vista Analytica	• •	MassLynx 4.1 SCN815	Page 6 of 13
Dataset:	Untitled		
Last Altered: Printed:		29, 2020 06:43:54 Pacific Daylight Time 29, 2020 06:45:52 Pacific Daylight Time	



File Edit View Display Processing Window Help

\$₽ □ \$\\$ +88+ • > < • X □ [0] \$10 \$ \$ 6 6 \$

200628R1_1 - ST200628R1_1 1613 CS3 19L2305 - 1613 CS3 19L2305

-		Name	Resp	S Resp	Pret RA	R4	0/2	RRF	Pred AT	RT	RT Flag	Pred RRT	RRT	Conc	5.Rec	STD out
1	1	2226-002	1 4444	T TEet	6 37	2.15	1022	2.5583	26.60	28.48	140	1.001	1.001	に同	9	NC
2	:	12378-96000	7165	4 C6e5	2.67	0.84	152	7.8081	2 48	31 45	163	1.001	1 000	46.5	\$7.0	NC
3	1	102418-H4CEE	1 27e5	25545	124	25	1.12	1 2 2 2 4	14-22	34.54	10	1 833	1201	41.4	(新生)	ILQ.
4		513678-H-CEC	195e5	4 42 tf	1.24	121	1.5	\$ 6623	14 14	34.83	10	3201	1332	121		
5	1	11117556.000	1 60e4	1.5245	1024	101	1.52	1.1361	15.11	36.22	. NO	1.022	1.111	491	11.00	143:
6	. 4	123467840000	10465	24345	1.04	102	1943	23675	3877	18.77	.ND	1000	1.520	41.4	97.4	10
7	7	0000	2.1645	4.79e5	0 89	0.87	ND	0 9136	41 75	41 77	NO	1.000	1 001	95.7	95.7	NO
8	1.2	1.1.9.2.41+2 2.1.1.2.41+2	2 Cife4	1.9245	-477	2.12	52	12.721	1111	114	43	1001	1.125	10.0	1.1	10
÷	1	N127646018	1 #5e5	6244	1.55	135	14.2	0.1921	20.17	30.17	115	1001	1001	43.8	- P. F.	NQ.
10	30	13 4 7 3 Recor	2 6 3 6 5	S. 6745	1:55	1.58	1.52	\$ 9342	31.18	31.15	.ND	1.001	1.000	411月	197	N()
11		123418-44228	15765	1.52et	124	123	1.62	0.8845	32.54	12.96	140	1.000	1001	12.2	12	74 <u>4</u>
12	1	11118 16 44027	1 +bef	1 122ef	t () =	29	1.52	2 1292	24.08	24:10	- 60	1.000	1 200	51.5	14	N2
13	1.9	2048 T 6 HLCDF	1 1641	4 29et	124	128	60	\$ 5341	14.65	34.67	NO	1,001	1 200	€ E:]	N.E.	NC:
14	14	1.2.2.2.8.5-MXCDF	* 35eE	1.3245	1.24	122	1.12	12:17	16.6.7	35.58	.40	1.000	1 202	100	1911	ND:
15		1:746 TE-MODE	* 44e5	21946	1.04	1.52	1.4		27.36	17.36	- NO	1.001	123	47.4	- 14 M	-NO
16	4	1234789HpCDF	08e5	2.1445	104	1.1	1.50	1 0 1 2 5	19 30	35 32	50	1.000	1 061	52.6	105	NC
17	1 12	0.02#	2 12.05	1 6105	0.39	0.86	60	0.5565	41 94	41.95	NO.	1.000	1 000	102	102	10
18	12	10042/3.7 5-7000	1 76e5	4 43e5	6.77	¢ 60	150	11562	21:45	26.47	N.O	1,026	1.028	112	112	NO
19	115	13C+1 2 3 7 8-PeCDC	4.0645	1 = 345	0.63	5.62	10	0 5490	2187	31.44	hD.	1.227	1218	101	102	110
20	20	130-123478-HKC00	2.5545	1 ?!et	1.24	1.29	14.51	0.2790	34 82	34.81	40	1.014	1014	94.6	17.6	ND
21	21	130-1 2 3 6 7 8-H+CDD	4.42+5	1.72+5	1.24	1.26	65	10167	34.93	24 92	:NO	1.017	1.012	115	115	NO

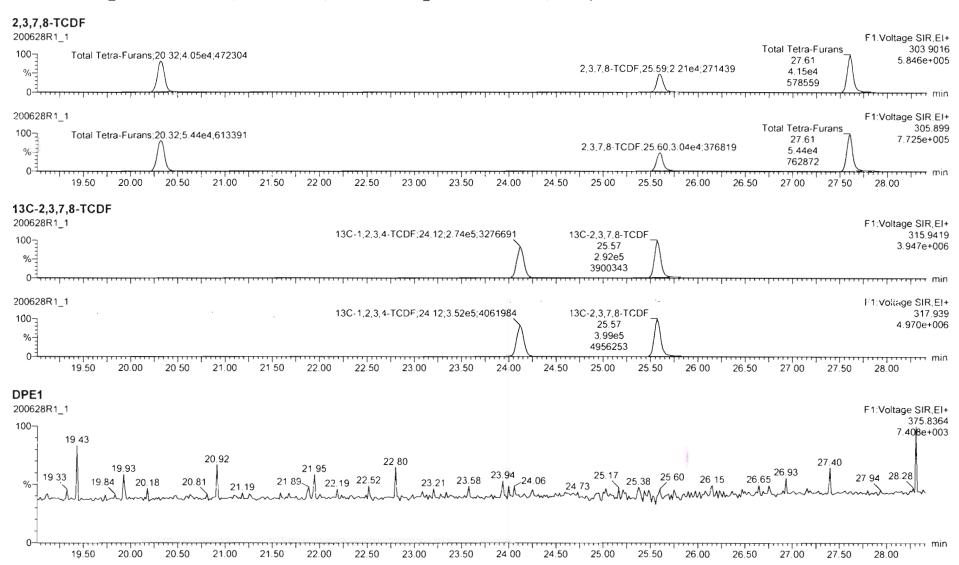
	102PD 41 77/00/100 00 60/11-		
10) 917 100	OCDD 4176 115598 18 963567		· · · ·
100 56	TIC-OCDD-41.75 224398.23 1854116		
(11C OCDD #1 75 254110 92 21697 18		7164 72 ⁻¹ -1
Repti.	en an	B 20062881_1	60 41.80 15.03 CAP NOM

Quantify Sample Report	MassLynx 4.1 SCN815
Vista Analytical Laboratory	

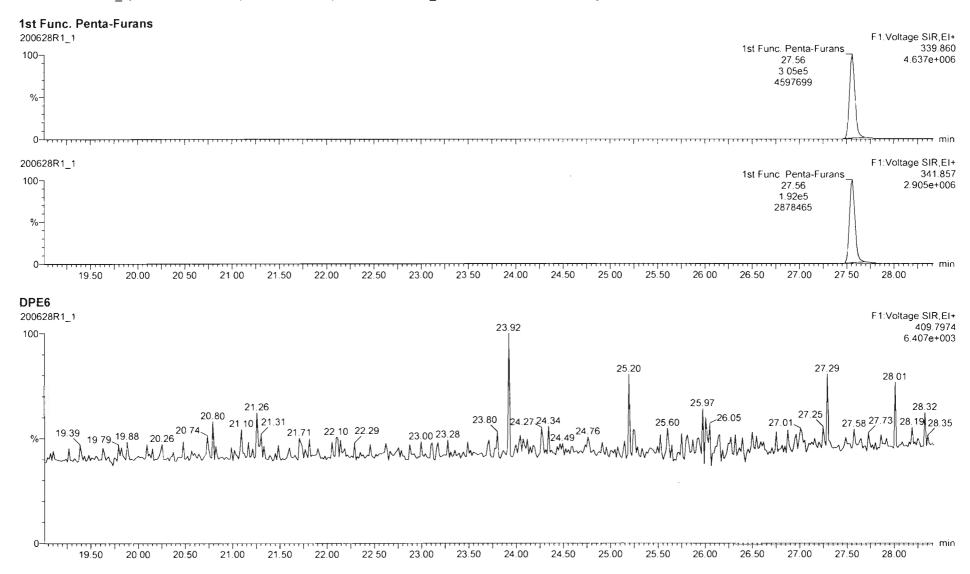
Page 7 of 13

Dataset: Untitled

Last Altered:	Monday, June 29, 2020 06:43:54 Pacific Daylight Time
Printed:	Monday, June 29, 2020 06:45:52 Pacific Daylight Time

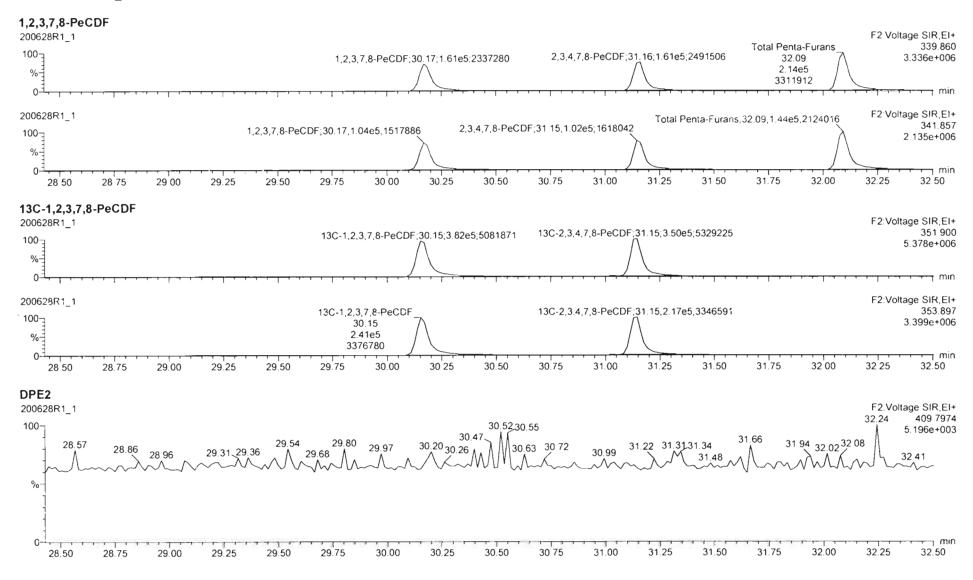


Quantify Sam Vista Analytica		MassLynx 4.1 SCN815	Page 8 of 13
Dataset:	Untitled		
Last Altered: Printed:		29, 2020 06:43:54 Pacific Daylight Time 29, 2020 06:45:52 Pacific Daylight Time	

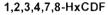


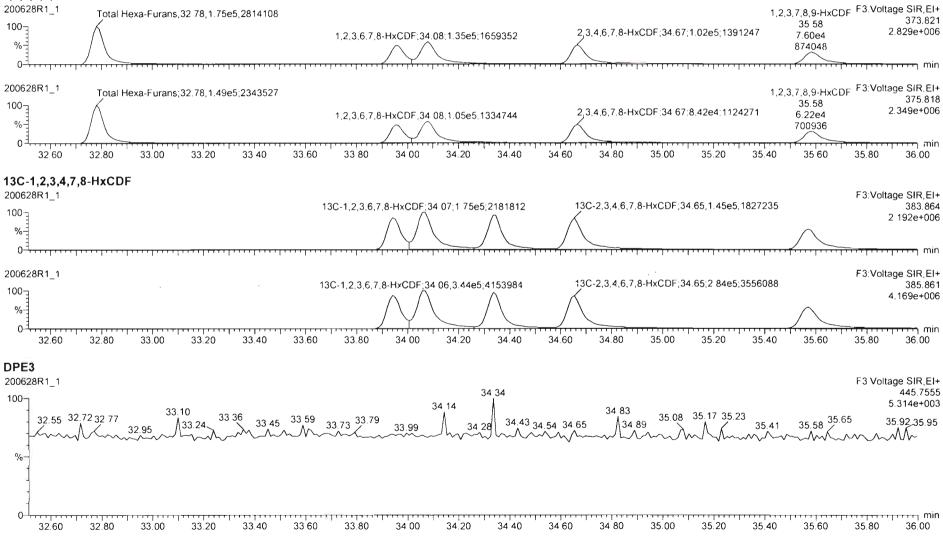
Work Order 2001155

Quantify Sam Vista Analytica		Page 9 of 13
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:43:54 Pacific Daylight Time Monday, June 29, 2020 06:45:52 Pacific Daylight Time	



Quantify Sam Vista Analytica		Page 10 of 13
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:43:54 Pacific Daylight Time Monday, June 29, 2020 06:45:52 Pacific Daylight Time	





								1.			2000	20111_	1-012	500020	11 1010 00	9L2305 - 1813 CS3 19L2305		
8 N		Resp	SResp	Pred RA		r⊮y					Pred RRT				STD out			
	571-200	2 4484	1 5601	C 37	10.75	40			25.45	N=	1.001	7.00 0	164	13				
21	2 1 1 1 Pettop	" 'e!	+ DEe5	\$ 63	5.84	16.2	0.9081	1.4	3145	100	1001	1.000	1.46.5	- 1 20	140			
3 1	2.2.4.7.8-m/CEC	27e5	2.55e5	1/24	125	10	1 1 2 2 34	14.82	14.54	1.	144-	1.001	2,4	5.39	NC.			
	21678-MACTI	* 99#1	4416	1.24	121	10	0 8923	34.52	/34 55	10	1010	1 000	1505	1121	10			
5 1	C 317 R SUMACEC	EC#*	17185	1/24	1.24	tv:2	0.8363	135 22	35.22	340	1.555	1.000	451	10.23	- h0			
1000	2 2 4 5 T 3 + pCCC	1.5461	2,2265	1.94	1.12	190	0.5839	38.11	14.44	15	1.555	1.20	1.41.5	34.2				
16	000	2.7645	4-7945	03.3	12.27	1.10	0.9136	-* 75		1. 1.2	1.225	1.531	1 11 1	1.125.5	623			
82	126222	1 28e-	A 57#61	6,75	\$72	10	10.7510	11.60	25.56	140	1.227	: 16*	1000	101	14.0			
31	1373 Pecce	16545	1.5445	19	1.15	NO	0.5525	30.17	2017	260	1.001	1:301	47.8	36.1	NS.			
10 2	3 4 7 3 Pecch	(2,6365)	16.04	1.55	1.58	140	0 9345	21.19	21.16	NO.	1.001	1 000	1.42.6.1	44.2	110			
11 1	2.3.4.7.8-HI CDF	16765	28284	124	1 23	160	0.8845	33.94	11.96	1.0	1.000	1.001	50.3	1. 21	10			
12 1	2 3.6 7.8-HxCDF	2.28e5	5.20e5				0 8892	34.08	34.08	NO	1,000	1.000	49.4	98.9	NO			
	24678H4208	1 8645	4 2 Se!		1.21		09341			ND.	1:001	1 203		9. C.	14.0			
	2.2.7.8.9.HACCF	1.3281	C STAT		122		0 3707			NO	1.000	1 255		1960	52			
	014218-HeCD4	*-1185	·		1 02			** 15	17.4	40	1001	1001	1273		117			
E I	214755-90004	ibe!	2:401		1.54		10125	29.95	25.32	NÓ	1 000	1001	92.6	25	NC			
	CD#	2 2365	4 eter		0.86			41 54		NO	1.000	1000	102	167	N2			
	20/2 2 7 S-TCDD	6 7645	4.4285	0.77				28.45		1.0	1 025	1 326	112	115	1,0			
	10-12:21 E-Fr(CCC	4.06et.	4 4 3 4 5	0.63	0.63	NO.	2 8490	1167	31 44.	10	1.25	1218	108	108	NC			
	10-10 24 18-HXCOD	2.5565	1.7844		1.29		0 7750		34 83	0.3	1.014	1:514		265	NC.			
	10:12 3 6 7 9 maCDD	4 4265	3.75#5		1 26			34 92	34 52	160	1.017	1:017	n:	101	145			
														82 24		34.29	- - - : 6	
1.43	32.78												3-6-7-6- 32-56 103682	34				6
												95	\sum		unter com	34 67	58.54	
																1.000		
										1	130 1 2 3	18-44		11116	977181817 ₂₀₄₀ 34	34 85	1 <u>8</u> 47	To.
		- <u></u>														and the second secon		- (r)
										-	30-1235	78.440		344403 ((10.4 16.3984 ³⁴ 14	34 55	12 67	
1.	1 (c j.	10°43 - 1	2. 65	14	<u>()</u>	10	40 3	250 3	60 1	N N	R P	0 14	i .	1 30	20. 10.10. 4	(1) (4,7) (4,7) (4,8) (14,8) (7,00 (1	а мал мак мар околонко мато моро мал ново 6 жизе ца	26 10 8

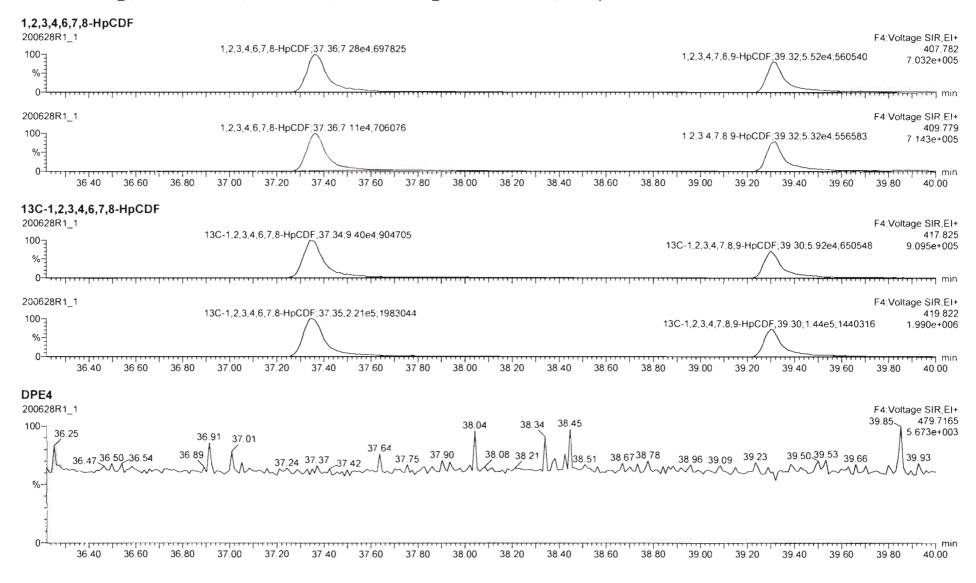
TargetLynx - 200628R1-1q.d * - (Chromatogram)

File Edit View Display Processing Window Held

and the state of t

															R1_1 16
	Name	Resp		Fred Ru		My		Fred RT		AT Fag	Pres RR	RR*	Cane	*kRec 104	STD out
	1 9 7 8-Fe000	1 4494	1.76e5 4.05e5			40	1 6/283	10.48		110	1 601	1 202	46.6	\$5.1	5
	23 4 T 8-HxC00.	12765	2 55.45			60		34.52		1.0	1 000	106*	45 .		10
6	1238 * E-MAGGE	19515	4 4245			15	0.0972	14.12		H.	1020	1.225	104		h.
	121019-0022	1.60+5	27245			0.2	2.8765		16.22	6.0	1 000	1.44	42.4	3(2)	6
	2000H-2 = 5. HpC02	1 5465	2.4385				0.3839			52	1.000	1.005	(4,8)	192	h.
	25	2 1645	4.7545		0.87		\$ 933E	14:15	-17-	12	11 025	1.1	- 14	98.*	1.
	11.1.2	1.2544	E. 2. 4		2.11		2.7912		29.58	1-	100.	1.11	47.41	51.1	h.
	2 2 1 3-Fe125	7 6545 2 8 3 6 5	6 24e1				0.5528 5.9143			50	1001	1 002	15.6	96.1	14 14
	3 4 7 8-44 CDP	1 57e5	2.52e5				0.8545	23.94		10	1.005	1 251	25.7	75.6	74
	14 16-4-027	: 25e5	f 22.ef		+ 21	45	0.5392	24.28		1/2	1 000	1 362		58 5	4
	44 + 8-H420F	t tees	4 2545	1.24	121	140	0 5341	24 68	24.67	1.0	1.001	1 003	45.1	92 E	5
	2.3,7.8,9-HxCDF	1 38e5	3.17e5				0.8707		35.58	NO	1.000	1.000			10
	14 8 1 E +pQDF	1 4465	3.7545	1.04	1.02	NO.	08734	1" 35	27.34	1.7	1201	1861	572		1
5 12	14-18-9-POCEF	1 08e5	20445			10	10121		39.32	10 10	1002	1003		101	54 54
	2F -2 117 5-7000	2.2345 5.7645	4 43e5		0.86	*0 50	0.8065	26.45	21.95	10	1.626	1000	162	112	1
	C-1 2 3 7 8-P(CDD	4 0645	4.4365			10	0.8490	2 67		70	1	1 218		108	- 14
	123478-1000	2.55e4	17545		1.3	140	0.7790	34.63	34.81	13	10*1	1.514	19.1		h,
	2.2.6.7.3.++000	4 42 8 5	37544		1.26	1.5	tore*	()a 53	34.92	60	1017	1 212	114	- 34	N
		u na prim	ta 1	9467											
							17757	157			1.00				
47	14			34 05											
													12		
1															
43	2			54.65											
4.34				34 65											

Quantify Sam Vista Analytica		Page 11 of 13
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:43:54 Pacific Daylight Time Monday, June 29, 2020 06:45:52 Pacific Daylight Time	



1001

1-000

1526

1214

1017 101-

50

40

22.96

32.94

5334) 1488 348*

47.8 46.3

45 = 55.9

26.3 92.0

45/5

108

55.6

114 116

1.000 1.001 52.2 104

499 992

101

99.3

182

105

22.4

14

NO

240

110

NO

NC

110

NO

10

NO

410

10

18525

0.8845

5 8763

1.04 1.00 NO 1.0128 39.30 39.32 NO

2.86 NO 0.5005 41.94 41.95 200 NO 1.1563 20.45 20.41

1 1392

NO. 0 9942

1,23 110

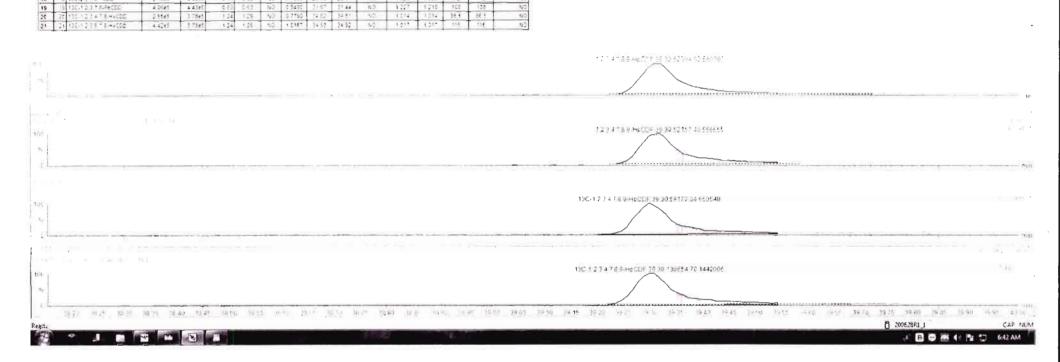
1.05

15

1.14

1.24

010



2.6545

28365

1.5765

1 1845

1.8645

1. 15.64

1 6400

2 3345

e +2.06

4 0665

25545

4 4765

1.05e5

54745

3-0365

1 2245

1 7545

> 17e

1.98e5

3 4105

3 47.4

4.4365

3 7845

37545

10

11

12

13

15

17

18

20

11 1.2 3 4 18-H+CDF 2 1.2 3 6 16-H+CDF 12 3 5 4 6 18-H+CDF

1214678 HBCDF

14 14 1.1 1 1 Set (CP

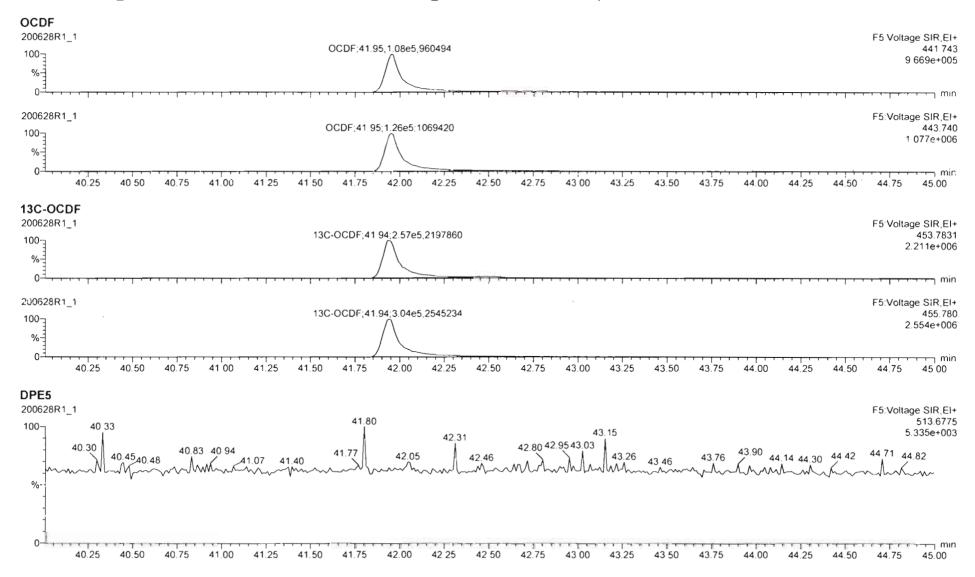
16 16 1.2.3.4.7.8.9-HpCDF

10 130 23 2 1-1-22

19 15 130.1 2.3 1 S-PeCDD

0006

Quantify Sam Vista Analytica		Page 12 of 13
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:43:54 Pacific Daylight Time Monday, June 29, 2020 06:45:52 Pacific Daylight Time	



File Edit View Display Processing Window Help

200628R1_1 - ST200628R1_1 1613 CS3 19L2305 - 1613 CS3 19L2305

	:	Name	Resp	5 Resp	Fred R.A.	R.4.	ney	RRF	Pred RT	RT	RTFING	Pres RRT	RRT	Conc	SRet	STD out
1		2.2.74/1020	1 ares	1.7Ee5	2.27	-510	102.	13581	10.42	25.48	NO.	1.001	1.021	16.6	12	10
2	ž	12278-96000	165	4 0 fet	243	2.84	NO.	0.9081	27.48	31 45	1.0	1.001	1 000	46.6	61.0	N2
3	3	123478,4+100	1 27e5	2 55e5	1.24	1.25	115	1.6334	24.62	34 54	50	1.000	1.0210	48.4	×4	- 00
4	4	1236 * S-HxC0C	35e3	4 4.10	17.54	171	T+=	0.8923	76 24	34.51	1.2	1.000	1.002	111	18	1.
¢		12316590000	1.6065	2.7285	1.24	12.24	- 75-2-	2.9369	1111	8.11.	62	1.000	1.00°+	121	154	- 40
6	÷	11114 TERECOL	1:0465	24365	16 24	: 22	No.	0.663.6	15.35	22.77	h0(1.000	1.925	45-	952	082
7	-	0025	2 56e5	4 7545	0.35	3.87	1.02	0,9136	47.75	41.24	NÇ	1000	1011	12.1	81 1	16
8	Ê	1318/1038	1.3e+	109748	9.77	11731	112	日本語語	に注意	28.8%		1:003	195	二件注意	-	14
9	5	12375-Pe00F	2,6585	52445	- 現實美	* + X.	145	12223	12.12	50.1*	63	1001	1.501	414	66.1	15
10	10	2.2 AT BIRECOF	2.6365	4.4745	L.cei	1.1.2	100	0.9343	24.31	31.4E	NO:	19001	1.000	17-2	39.1	NO.
11	11	123 = 7 6-HxCDF	47e5	1:52e5	1.24	1128	345	0.8545	22.54	33 56	NO:	1,000	1.001	55.7	761	N.)
12	12	12.2.6 * 6/Hx 20F	: the:	-51245	4.24	+ 21	142	1 2292	24.22	34 28	h0.	1.000	1.000	45.4 17	58.5	h1
13	12	2:14678.HATEF	+ 56e5	12545	1.74	121	.43	5 6341	24.65	34 5	NO	1001	1.000	46.2	32.4	- 46
14	34	12378646627	12865	3 17e5	24	12	1.45	C/ETO?	36.61	35.58	_N05	0000	1 000	49.5	39.1	NC NC
15	1	1.2.3 F 8 F 8-H6COF	1.44e5	- 0.15a5	15.24	1.22	.57	2.5734	10 M	27 M	NO:	1.00.1	1.001	87.3	• (.	- 197
16	E	1.2.3.4.7.8.5.mpCDF	10545	19545	1 34	1 20	142	10128	15.15	19.32	ND	1005	1001	52.2	104	162
17	17	OCDF	2.27e5	5.51e5	28.0	0.87	NO	0.8065	41 94	41.95	NO	1.000	1 000	102	102	NO
18	18	100-2127 5-7000	5 TEet	44245	2 77	0.80	10	11563	24.40	28.47	NO:	1 026	1 02E	112	112	60
19	19	13C-1237.8-ReCDD	4-06e5	14,4385	1.63	0.63	.NŪ	0.5490	1.87	31 44	NQ.	1 227	1,218	108	198	10
20	20	13C-112 3 4 7 8 (5400)	2 5565	2.2565	104	-79	1.0	27192	1.54.22	52.81	40	1.013	1.014	36.5	86.5	
21	21	130-12,2.6,7.8-44000	4 4295	2 73+5	1.24	1.26	10	1 0167	3435	34 92	NO.	1.017	1 017	115	115	60

104.5 1161	DCDF 41 65 105521 46 950765	
900 	OCDF 4195 121443 09 1070399	
100	13C-OCUF 41 94 215 170 80 2200404	
100		
Ready	2028 40 41 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4	CAP NUN

Quantify Sample Report	MassLynx 4.1 SCN815
Vista Analytical Laboratory	

Dataset: Untitled

Last Altered:	Monday, June 29, 2020 06:43:54 Pacific Daylight Time
Printed:	Monday, June 29, 2020 06:45:52 Pacific Daylight Time

Name: 200628R1_1, Date: 28-Jun-2020, Time: 10:25:29, ID: ST200628R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

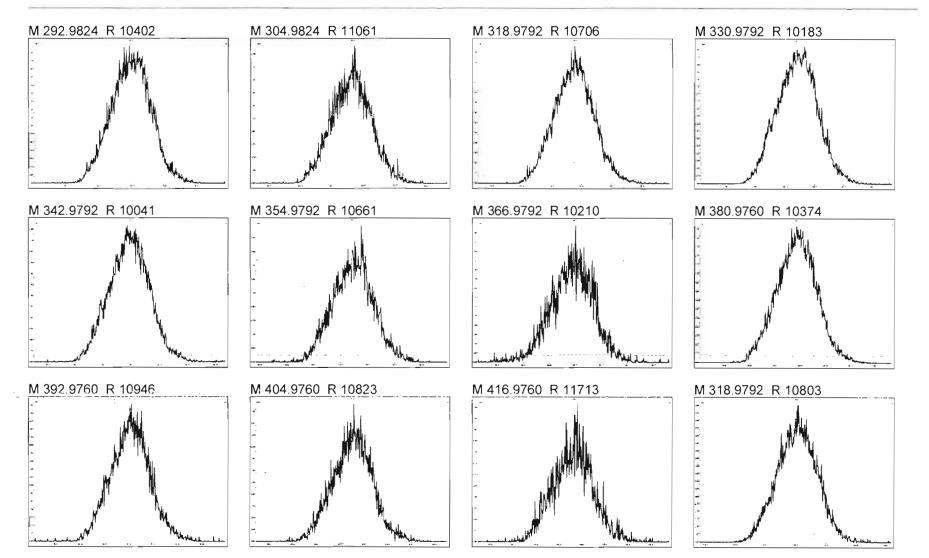
100 19.87 20.74 21.23 21.4221.69 22.04 22.58 23.03 23.37 23.48 23.80 23.97 24.72 24.85 25.17 25.71 26.00 26.96.3 79.64.553205 27.88.27.95 33280+000 100 19.50 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27.50 28.00 FFK2 200628R1_1 28.75 20.00 29.38 29.77.7.0264.687072 30.08 30.58 30.78 31.22 31.88.2.0864.282238 38.066+000 100 1131108 29.38 29.77.7.0264.687072 30.08 30.58 30.78 31.22 31.50 31.75 32.00 32.25 32.50 FS Voltage SIR.EL 200628R1_1 28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 32.00 32.25 32.50 <td colspa<="" th=""></td>	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
PFK3 200628R1_1 32.54 32.54 32.54 32.54 32.54 32.55 29.00 29.25 29.50 29.75 29.50 29.75 29.50 29.75 29.50 29.75 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.25 31.50 31.75 32.00 32.25 32.50 F3.Voltage SIR,EI 380.976 34.13 34.13 34.13 34.97 35.38 35.67 1.794e+005	
200628R1_1 F3:Voltage SIR,EI 100 32.71;1.26e6;7029993 33.58;2.06e5;2058551 34.13 34.97 35.38 35.67 1.794e+001 32.54 34.97 35.38 35.67 1.794e+001	
32.60 32.80 33.00 33.20 33.40 33.60 33.80 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.40 35.60 35.80 36.00 PFK4 200628R1_1 26.571.2465;E172407 37.66;2.55e4;558253 27.00.2.00+5;4700754 20.45;4.7255;4.72554	
100 36.37, 1.3460, 37.207 37.22 01.00, 1.550, 0.002,	
$\begin{array}{c} \text{PFK5} \\ \text{200628R1_1} \\ 100 \\ \hline \\ 40.59 \\ 40.73 \\ 40.86 \\ 41.01 \\ 41.39 \\ 41.56 \\ 41.64 \\ 41.75 \\ 42.03 \\ 42.24 \\ 42.67 \\ 42.99 \\ 42.67 \\ 42.99 \\ 43.10 \\ 43.35 \\ 43.70 \\ 43.84 \\ 44.10 \\ 43.84 \\ 44.10 \\ 44.68 \\ 6957e+006 \\ 44.68 \\ 6957e+0$	

MassLynx 4.1 SCN815

Page 1 of 4

۰,

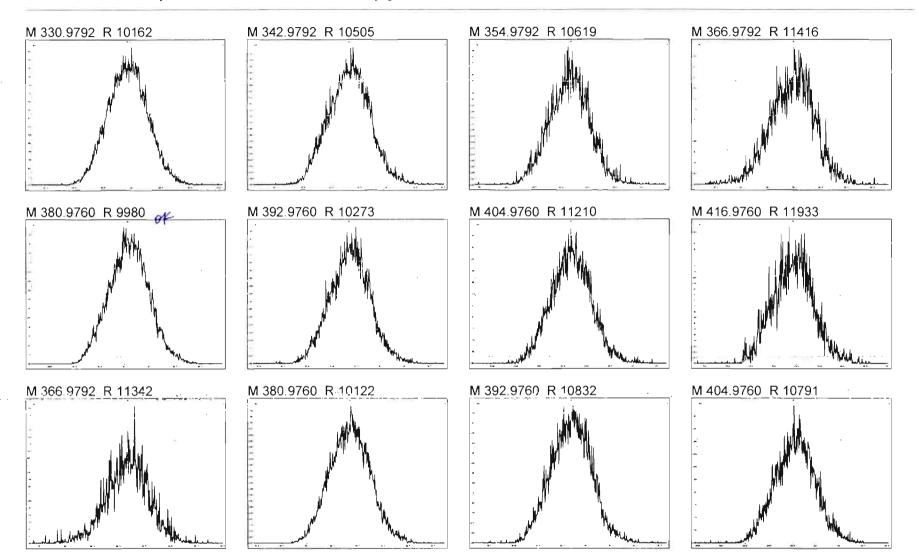




MassLynx 4.1 SCN815

Page 2 of 4

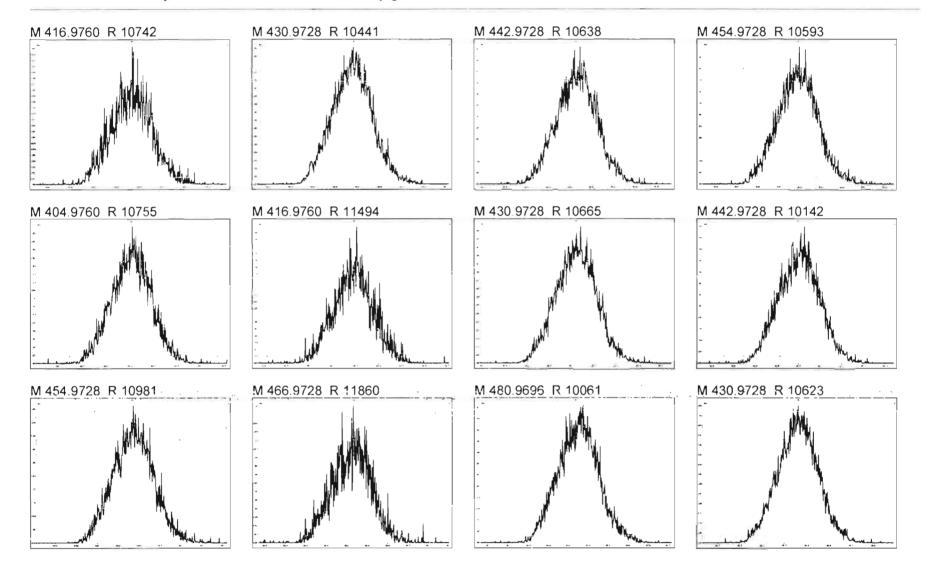
Printed: Sunday, June 28, 2020 22:07:16 Pacific Daylight Time



MassLynx 4.1 SCN815

Page 3 of 4

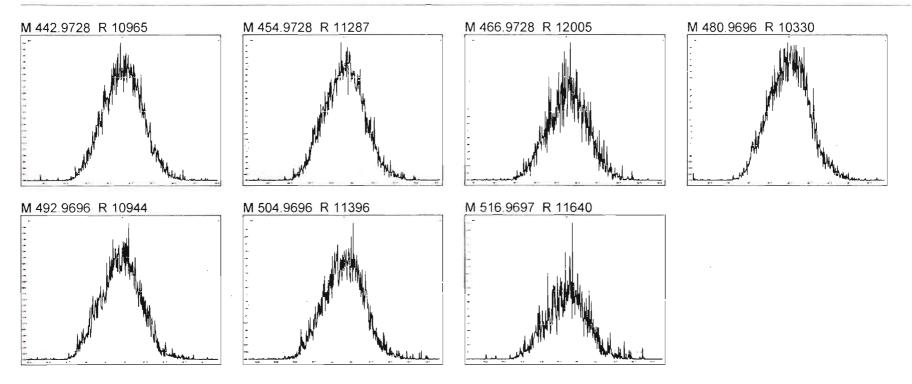




MassLynx 4.1 SCN815

Page 4 of 4





the second s

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID: ST20010712-1			Reviewed By: <u>C.7 07/08/2020</u>	-
End Calibration ID:NA				·
ion abundance within QC mits?	Beg.	End	Mass resolution >	Bes. Ind
Concentrations within criteria?		ф	□ 5k □ 6-8K □ 8K ⊠ 10K 1614 1699 429 1613/1668/8280	
TEDD/TCDF Valleys <25%	\Box	Ф	Intergrated peaks display correctly?	
First and last eluters present?	\square	Ф	GC Break <20%	•
Retention Times within criteria?	P		8280 CS1 End Standard:	•
Verification Std. named correctly?	D	Ф	- Ratios within limits, 8/N <2.5:1, C81 within 12 hours	М
(ST-Year-Month-Day-VG ID)				
Forms signed and dated?	Ø	φ	Comments:	
Correct ICAL referenced?	GPB			
<u>Run Log:</u>		ľ	· · · · · · · · · · · · · · · · · · ·	
- Correct Instrument Hsted?	\square	\checkmark		•
- Samples within 12 hour clock? - Bottle position verfied?	(Y) G	N PB		
				•*

Quantify Sam Vista Analytica	aple Summary Report MassLynx 4.1 SCN815	· · · · · · · · · · · · · · · · · · ·	Page 1 of 2
Dataset:	U:\VG12.PRO\Results\200707R2\200707R2-1.qld		
Last Altered: Printed:	Tuesday, July 07, 2020 1:53:33 PM Pacific Daylight Time Tuesday, July 07, 2020 1:53:59 PM Pacific Daylight Time	G	20 01/1000

(7 07/08/2020

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt-7-3-20.mdb 03 Jul 2020 12:13:21 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200707R2_1, Date: 07-Jul-2020, Time: 12:59:11, ID: ST200707R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

A Name	Reep	. IS Resp	RA	ny	RH	Pred.RT	RT	RT Flag	Pred FIRT	ANT.		3. 1 AVA	L. Kar
1 2,3,7,8-TCDD	4.4084	5.28e5	0.72	NO	0.888	26.49	26.48	NO	1.001	1.001	9.3724	93.7	NO
2 1,2,3,7,8-PeCDD	1.53e5	3.74e5	0.61	NO	0.908	31.46	31.45	NO	1.001	1.000	45.033	90.1	NO
3 1,2,3,4,7,8-HxCDD	1.19e5	2.47e5	1.25	NO	1.03	34.84	34.84	NO	1.000	1.000	46.835	93.7	NO
4 1,2,3,6,7,8-HxCDD	1.52e5	3.32e5	1.36	NO	0.892	34.93	34.94	NO	1.000	1.000	51.451	103	NO
5 1,2,3,7,8,9-HxCDD	1.11e5	2.63e5	1.21	NO	0.887	35.24	35.23	NO	1.001	1.001	47.559	95.1	NO
6 1,2,3,4,6,7,8-HpCDD	8.5564	2.03e5	1.01	NO	0.864	38.78	38.79	NO	1.000	1.001	48.684	97.4	NO
7 OCDD	1.69e5	3.75e5	0.86	NO	0.914	41.78	41.79	NO	1.000	1.000	98.370	98.4	NO
8 2,3,7,8-TCDF	4.3264	6.45e5	0.74	NO	0.751	25.60	25.59	NO	1.001	1.001	8.9195	89.2	NO
9 1,2,3,7,8-PeCDF	2.13e5	5.03e5	1.50	NO	0.893	30.17	30.17	NO	1.001	1.001	47.402	94.8	NO
10 2,3,4,7,8-PeCDF	2.13e5	4.79e5	1.54	NO	0.935	31.15	31.15	NO	1.001	1.000	47.631	95.3	NO
11 1,2,3,4,7,8-HbcDF	1.2465	2.88e5	1.21	NO	0.884	33. 95	33.96	NO	1.000	1.000	48.561	97.1	NO
12 1,2,3,6,7,8-HxCDF	1.52e5	3.50e5	1.21	NO	0.889	34.08	34.08	NO	1.000	1.000	48.921	97.8	NO
18	1.39e5	3.11e5	1.22	NO	0.934	34.69	34.68	NO	1.001	1.000	47.830	95 .7	NO
14 1,2,3,7,8,9-HxCDF	1.01e5	2.41e5	1.22	NO	0.871	35.60	35.59	NO	1.001	1.000	48.069	96.1	NO
15 1,2,3,4,6,7,8-HpCDF	9.4264	2.22e5	0.99	NO	0.873	37.40	37.38	NO	1.001	1.001	48.684	97.4	NO
16 1,2,3,4,7,8,9-HpCDF	7.38e4	1.40e5	0.96	NO	1.01	39.32	39.33	NO	1.000	1.000	52.017	104	NO
17 OCDF	1.57e5	4.02e5	0.86	NO	0.806	41.97	41.98	NO	1.000	1.000	96.792	96.8	NO
18 13C-2,3,7,8-TCDD	5.2865	4.62e5	0.76	NO	1.16	28.45	26.45	NO	1.025	1.026	96.991	99.0	NO
19 13C-1,2,3,7,8-PeCDD	3.7465	4.62e5	0.62	NO	0.849	31.46	31.44	NO	1.219	1.219	95.444	95.4	NO
20 13C-1,2,3,4,7,8-HxCDD	2.47e5	2.99e5	1.26	NO	0.779	34.82	34.83	NO	1.014	1.014	105.87	108	NO
21 13C-1,2,3,6,7,8-HxCDD	3. 32e5	2.99e5	1.25	NO	1.02	34.92	34.93	NO	1.017	1.017	109.13	109	NO
22 13C-1,2,3,7,8,9-HxCDD	2.63e5	2.99e5	1.23	NO	0.903	35.23	35.21	NO	1.028	1.025	97.355	97.4	NO
23 13C-1,2,3,4,6,7,8-HpCDD	2. 03e5	2.99e5	1.00	NO	0.689	38.77	38.77	NO	1.129	1.129	98.488	98.5	NO
24 13C-OCDD	3.75e5	2.99e5	88.0	NO	0.652	41.78	41.78	NO	1.216	1.216	192.14	96.1	NO .
25 · 25 13C-2,3,7,8-TCDF	6.45e5	5.93e5	0.73	NO	1.08	25.56	25.57	NO	0.991	0.991	102.83	103	NO
26 13C-1,2,3,7,8-PeCDF	5.03e5	5.93e5	1.57	NO	0.838	30.17	30.15	NO	1.170	1.169	101.23	101	NO
27 13C-2,3,4,7,8-PeCDF	4.79e5	5.93e5	1.57	NO	0.817	31.15	31.13	NO	1.207	1.207	98.989	99 .0	NO
28 13C-1,2,3,4,7,8-HxCDF	2.88e5	2.99e5	0.50	NO	1.01	33.95	33.95	NO	0.989	0.989	95.473	95.5	NO
29 13C-1,2,3,6,7,8-HxCDF	3.50e5	2.99e5	0.50	NO	1.17	34.07	34.07	NO	0.992	0.992	100.09	100	NO
30 13C-2,3,4,6,7,8-HxCDF	3.11e5	2.9985	0.50	NO	1.02	34.65	34.67	NO	1.009	1.009	101.67	102	NO

× •*

Quantify Sample Summary Report MassLynx 4.1 SCN815 Vista Analytical Laboratory MassLynx 4.1 SCN815

Dataset: U:\VG12.PRO\Results\200707R2\200707R2-1.qld

Last Altered:	Tuesday, July 07, 2020 1:53:33 PM Pacific Daylight Time
Printed:	Tuesday, July 07, 2020 1:53:59 PM Pacific Daylight Time

Name: 200707R2_1, Date: 07-Jul-2020, Time: 12:59:11, ID: ST200707R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

- 32	# Name			R A	nlý	RRF	Pred.RT	RT	RT Flig	and the state of the second	Service Service			
31	31 13C-1,2,3,7,8,9-HxCDF	2.41e5	2.99e5	0.48	NO	0.860	35.58	35.58	NO	1.036	1.036	93.515	93.5	NO
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.22e5	2.99e5	0.43	NO	0.774	37.36	37.36	NO	1.088	1.088	95.568	95.6	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.40e5	2.99e5	0.45	NO	0.521	39.33	39.32	NO	1.145	1.145	89.794	89.8	NO
34	34 13C-OCDF	4.02e5	2.99e5	0.87	NO	0.746	41.97	41.97	NO	1.222	1.222	180.03	90.0	NO
35	35 37CI-2,3,7,8-TCDD	4.4664	4.62e5			1.04	26.47	26.48	NO	1.026	1.027	9.3171	93.2	NO
36	36 13C-1,2,3,4-TCDD	4.62e5	4.62e5	0.77	NO	1.00	25.74	25.80	NO	1.000	1.000	100.00	100	NO
	37 13C-1,2,3,4-TCDF	5.93e5	5.93e5	0.78	NO	1.00	24.03	24.10	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	2.99e5	2.9985	0.50	NO	1.00	34.29	34.35	NO	1.000	1.000	100.00	100	NO

· •, •

• .

Quantify Compound Summary Report MassLynx 4.1 SCN815 Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Wednesday, July 08, 2020 7:10:35 AM Pacific Daylight Time Wednesday, July 08, 2020 7:10:40 AM Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt-7-3-20.mdb 03 Jul 2020 12:13:21 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-6-28-20.cdb 28 May 2020 16:52:08

Compound name: 2,3,7,8-TCDD

*	NUNG		Abq Dela	Aby.Time
T est the set of the	200707R2_1	ST200707R2_1 1613 CS3 19L2305	07-Jul-20	12:59:11
2	200707R2_2	B0F0283-BS1 OPR 1	07- Jul-20	13:47:43
3	200707R2_3	B0F0280-BS1 OPR 10	07-Jul-20	14:34:04
A State of the	200707R2_4	SOLVENT BLANK	07-Jul-20	15:19:31
5	200707R2_5	B0F0283-BLK1 Method Blank 1	07-Jul-20	16:04:56
	200707R2_6	B0F0280-BLK1 Method Blank 10	07-Jul-20	16:50:19
7	200707R2_7	2001274-02 Field Blank 177-08Jun2020 0.948	07-Jul-20	17:35:44
	200707R2_8	2001274-04 Field Blank 919-08Jun 2020 0.94	07-Jul-20	18:21:08
	200707R2_9	2001274-06 Field Blank ATG160-08Jun2020 0	07-Jul-20	19:08:31
10	200707R2_10	2001347-01 Bleach Plant Effluent 0.84451	07-Jul-20	19:51:55
	200707R2_11	2001274-01 177-08Jun2020 0.9589	07-Jul-20	20:37:19
	200707R2_12	2001274-03 919-08Jun2020 0.94562	07-Jul-20	21:22:42
13	200707R2_13	2001274-05 ATG 160-08 Jun 2020 1.03714	07-Jul-20	22:08:08
	200707R2_14	2001155-01 PDI-1175SC-A-01-02-200522 11.08	07-Jul-20	22:53:30
	200707R2_15	2001035-01RE1 PDI-050SC-A-00-01-200508	07-Jul-20	23:38:54

Page 1 of 1

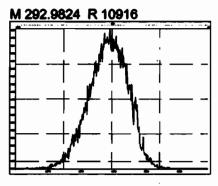
.

MassLynx 4.1 SCN815

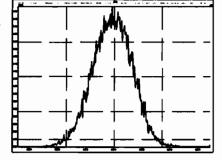
Page 1 of 1

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

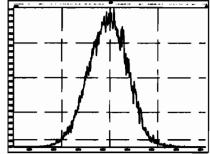
Printed: Tuesday, July 07, 2020 12:55:21 Pacific Daylight Time

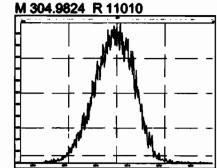


M 342.9792 R 10639

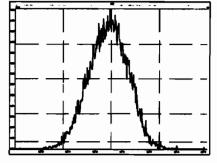


M 392.9760 R 10871

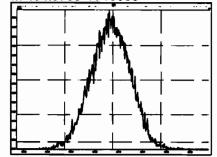


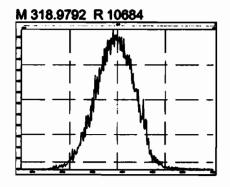


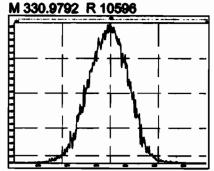
M 354.9792 R 10968



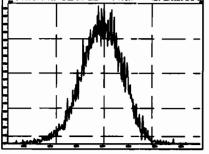
M 404.9760 R 10638



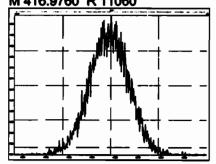




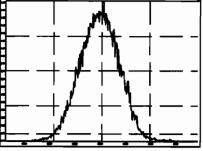
M 366.9792 R 11207



M 416.9760 R 11060



M 380.9760 R 10964

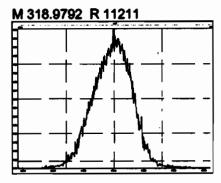


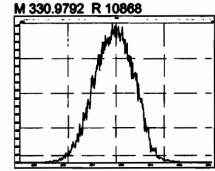
MassLynx 4.1 SCN815

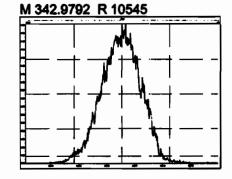
Page 1 of 1

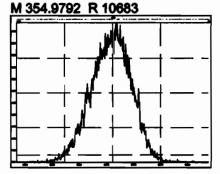
File: Experiment: OCDD_D85.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, July 07, 2020 12:55:46 Pacific Daylight Time

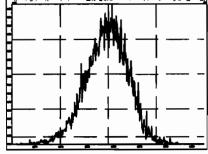




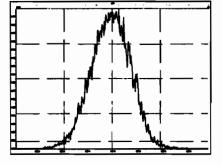




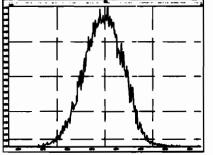
M 366.9792 R 10501

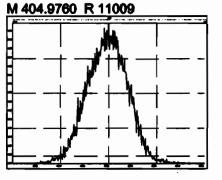


M 380.9760 R 11062

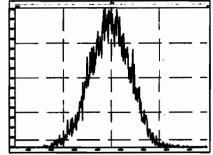








M 416.9760 R 10868

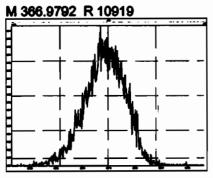


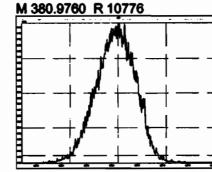
MassLynx 4.1 SCN815

Page 1 of 1

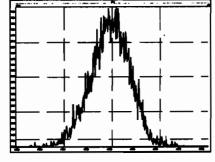
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

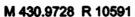
Printed: Tuesday, July 07, 2020 12:56:08 Pacific Daylight Time

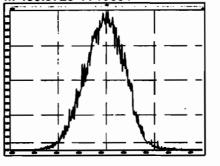


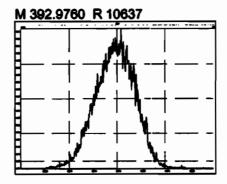




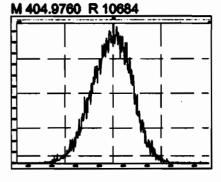




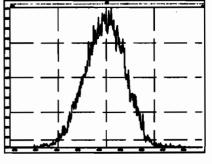




M 442.9728 R 10638





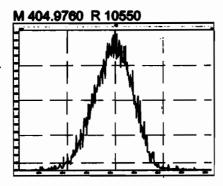


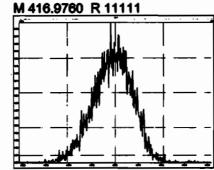
MassLynx 4.1 SCN815

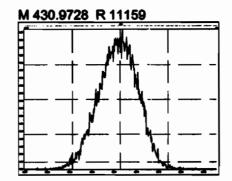
Page 1 of 1

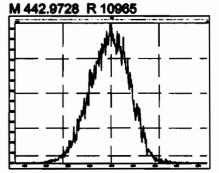
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, July 07, 2020 12:56:27 Pacific Daylight Time

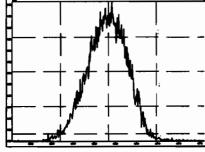




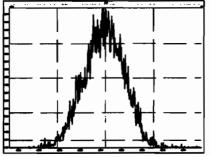




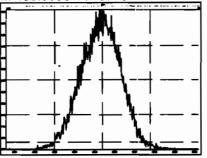










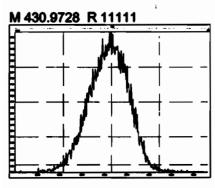


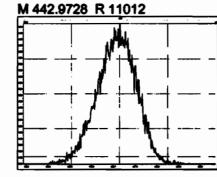
MassLynx 4.1 SCN815

Page 1 of 1

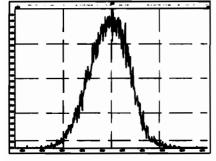
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

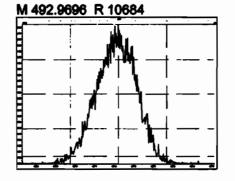
Printed: Tuesday, July 07, 2020 12:56:43 Pacific Daylight Time

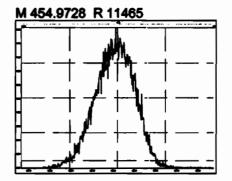


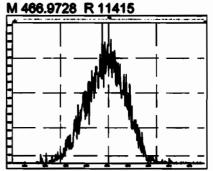




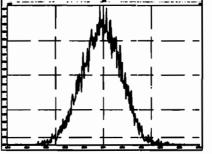




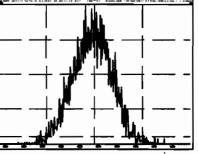




M 504.9696 R 11015







Quantify Sample Summary Report	MassLynx 4.1 SCN815
Vista Analytical Laboratory VG-11	

Dataset: Untitled

Last Altered: Tuesday, July 07, 2020 1:46:38 PM Pacific Daylight Time Printed: Tuesday, July 07, 2020 1:46:59 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200707R2_1, Date: 07-Jul-2020, Time: 12:59:11, ID: ST200707R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

.

		and the second se
	1 1,3,6,8-TCDD (First)	22.44
2	2 1,2,8,9-TCDD (Last)	27.44
3	3 1,2,4,7,9-PeCDD (First)	29.22
	4 1,2,3,8,9-PeCDD (Last)	31.83
	5 1.2,4,6,7,9-HbcCDD (First)	33.33
	6 1.2,3,7,8,9-HbcCDD (Last)	35.23
7	7 1.2,3,4,6,7,9-HpCDD (First)	37.78
1	8 1,2,3,4,6,7,8-HpCDD (Last)	38.79
	9 1,3,6,8-TCDF (First)	20.33
	10 1,2,8,9-TCDF (Last)	27.59
	11 1,3,4,6,8-PeCDF (First)	27.55
Provide and the second	12 1.2.3,8.9-PeCDF (Last)	32.09
	13 1.2,3,4,6,8-HxCDF (First)	32.78
	14 1,2,3,7,8,9-HxCDF (Last)	35.59
	15 1.2,3,4,6,7,8-HpCDF (First)	37.38
6 6 5 54	16 1,2,3,4,7,8,9-HpCDF (Last)	39.33

Page 1 of 1

Ξ.

...

Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory VG-11

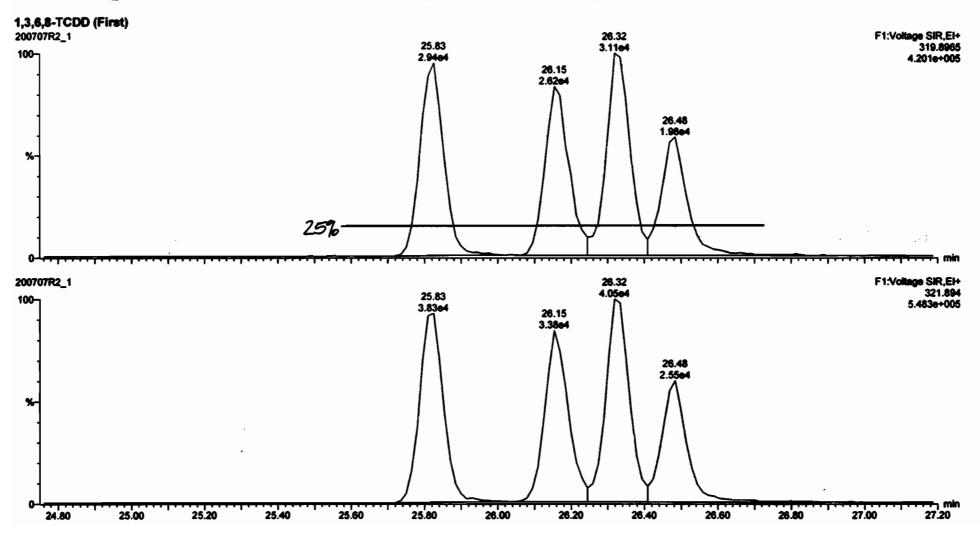
Dataset: Untitled

Last Altered:	Tuesday, July 07, 2020 1:46:38 PM Pacific Daylight Time
Printed:	Tuesday, July 07, 2020 1:46:59 PM Pacific Daylight Time

GRB 0/07/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

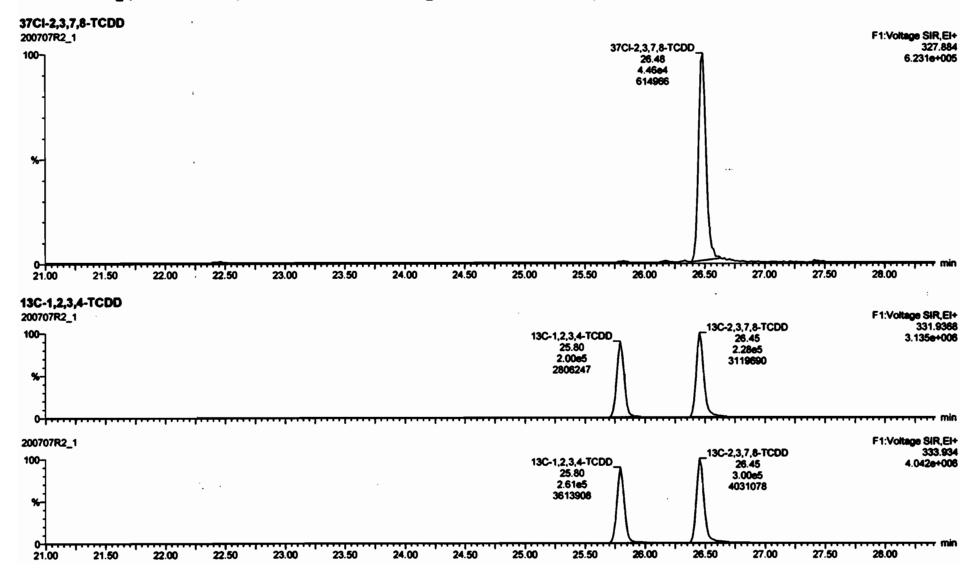
Name: 200707R2_1, Date: 07-Jul-2020, Time: 12:59:11, ID: ST200707R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



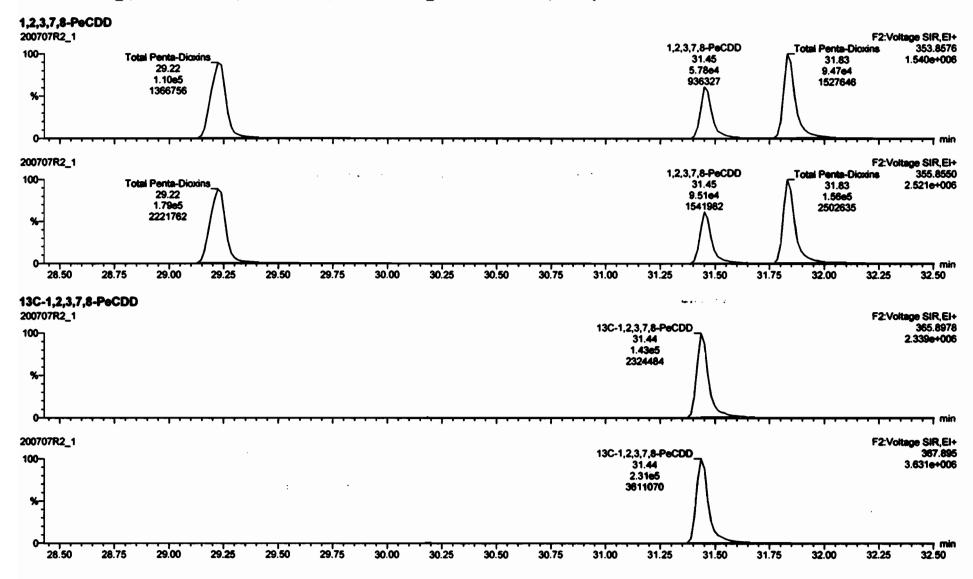
Work Order 2001155

uantify Sam ista Analytica		MassLynx 4.1 SCN815					Page 1 of
ataset:	Untitled						
ast Altered: rinted:		7, 2020 1:49:24 PM Pacific I 7, 2020 1:49:27 PM Pacific I					
alibratio n: U	I:\VG12.PRO\Cun	pro\Methdb\1613_rrt-7-3-2 veDB\db5_1613vg12-5-28- ul-2020, Time: 12:59:11, IC	20.cdb 28 May 2020 16	52:08	on: 1613 CS3 19	1 2305	
3,7,8-TCDD							. .
00707R2_1				Total Tetra-Dioxins;26.3	2;3.07e4;412937	Total Tetra-Dioxins_	F1:Voltage SIR, 319.8
~	Total Tetra-Dio 22.44	xins7\			1 1	27.44 2.83 0 4	4.505e+
%-	3.28e4 329536	Λ			Λ $\Lambda \Lambda$	443285	
•		<u>Λ</u>			ΙΙΙΥΥ		<u> </u>
0707R2_1					.1		F1:Voltage SIR,
ייייי <u>-</u> יי 10				Total Tetra-Dioxins;26.3	2;4.0504;543353	Total Tetra-Dioxins 27.44	321. 5.785 e+
	Total Tetra-Dio: 22.44 4.25e4	ans			$\Lambda \Lambda \Lambda$	3.8264 571475	
% -	436168	Λ			Λ $\Lambda\Lambda$	\ /	
0 21.00 21.00 21.00	1.50 22.00	22.50 23.00 23	50 24.00 24.50	25.00 25.50	26.00 26	3.50 27.00 27	7.50 28.00
		22.30 23.00 23	.50 24.00 24.50	25.00 25.30	26.00 26	.50 21.00 21	7.50 28.00
C-2,3,7,8-T (0707R2_1							F1:Voltage SIR
ю.				13C-1,2,3,4-TCDI 25.80	² 1	_13C-2,3,7,8-TCDD 28.45	331.9 3.135 6+
*				2.00e5 2806247	Λ Ι	2.28e5 3119690	
*]					Λ		•
o 1	•••••••••••••••••				//.		·····
0707R2_1							F1:Voltage SIR
%]				13C-1,2,3,4-TCDI 25.80	² 1	_13C-2,3,7,8-TCDD 26.45 3.00e5	333. 4.042 0+
*				2.61e5 3613908		4031078	• .
1					Λ		
•	21.50 22.00	22.50 23.00 23	50 24.00 24.50	25.00 25.50	26.00 26	.50 27.00 27	7.50 28.00

Quantify Sam Vista Analytica		Page 2 of 13
Dataset:	Untitled	
Last Altered: Printed:	Tuesday, July 07, 2020 1:49:24 PM Pacific Daylight Time Tuesday, July 07, 2020 1:49:27 PM Pacific Daylight Time	



Quantify Sam Vista Analytica		Page 3 of 13
Dataset:	Untitled	
Last Altered: Printed:	Tuesday, July 07, 2020 1:49:24 PM Pacific Daylight Time Tuesday, July 07, 2020 1:49:27 PM Pacific Daylight Time	

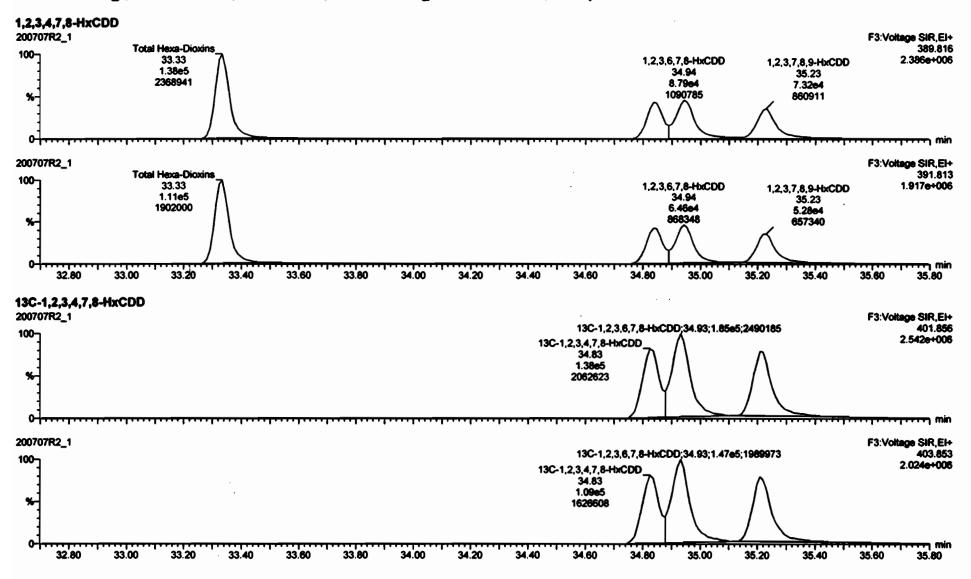


Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

Page 4 of 13

Dataset: Untitled

Last Altered: Tuesday, July 07, 2020 1:49:24 PM Pacific Daylight Time Printed: Tuesday, July 07, 2020 1:49:27 PM Pacific Daylight Time



file Edit View Display Precuping Window Help			a de la segun	- @ x
- 久凶:四空羽(+0 0+ -) - + () ()				:
		Canel Ante: Montal		
1 2,3,7,8-TC00 4.4004 5.2045 8.7	7 0 72 NO 0.8083 28.49 28.48 NO 1.001 1.86			
	13 0.01 NO 0.0001 31.46 31.45 NO 1.001 1.00 14 1.25 NO 1.0334 34.84 34.84 NO 1.000 1.00			
	IA 136 NO 0.0023 34.95 34.94 NO 1.000 1.00	e 51 5 103 NO		
	H 1.01 HO 0.0630 36.76 30.79 HO 1000 100	1 49 3 96.6 NO	·	
	101 101 100 0.0138 38.70 38.70 100 1000 100			
. 6 2,3,7,8-TCDF 4.3284 6.4585 8.7	77 074 HD 0.7510 25.00 25.50 HO 1.001 1.00		•	
	IS 150 NO 0.0025 30.17 30.17 NO 1.001 1.00 IS 154 NO 0.9348 31.15 31.15 NO 1.001 1.00			•
	A 121 NO 0.8046 33.96 33.96 NO 1.000 1.00			
	N 122 NO 0.8082 34.86 34.66 NO 1.606 1.64			·
	14 124 NO 8.9341 34.00 34.88 NO 1.001 1.00 14 122 NO 9.0707 35.00 35.39 NO 1.001 1.00			
	14 0 99 NO 8.8734 37.40 37.30 NO 1.001 1.00	1 48.7 97.4 ND	÷	
	14 0 96 NO 1.0128 30.32 30.33 ND 1.000 1.00 10 0 05 NO 0.0005 41.97 41.06 NO 1.000 1.00			
	10 0 83 100 0.8085 41.97 41.98 100 1.000 1.00 77 0 76 100 1.1563 28.45 28.45 100 1.025 1.02			
19 13C-1,2,3,7,8-PeCOD 374e5 4.62e5 9.6				
28 13C-12.3,4,7,8-thCDD 24705 2.9045 1.2	24 i 25 NO 0.7780 34.82 34.83 NO 1.014 1.01 24 i 25 NO 1.0167 34.92 34.83 NO 1.017 1.01			
21 13C-1.2.3.4.7.8-10000 3.3245 2.9945 1.2				
70/R2_1 \$ CS3 19L2305 ST200707R2_1 1613 CS3 19L2305		1,2,3,7,8,9+6CDD 35,23 60772,68	•	F3 Voltage SVR,EI+ 389,818 1 096e+006
1		821802		
			·	
				,
07R2_1		1237894600	• •	+ 3 Vollage SIR EI-
CS3 1912305 S120070/R2 1 1613 C33 1912 30:		35 23 50200 29		391813 8 907e-005
	34,94 34,94	652737		
				•
0782_1		13C-12.3.7.8.94%CDD		F3 voltage SiR(E)+
3 CS3 19L2 105 S1260707R7_1 161 3 CC3 19L2385		35.21 145349.09		401 856 2.542e-006
1	; 34,83 34,93	1921175		
]				
		·····		·····
707R2_1		13C-12.3.7.8.9-HiCOD	······	F3 Vollage SIR,Et+
3 CS3 19L2305 ST200707R2_1 1413 CS3 19I 2304	240	35 21 117733.42		403 853 2 024e+006
1	34 <u>0</u>	1545467		
4				
34 40 34 50 34.60	34.70 34.90 34.90 35.00	35.10 35.20 35.30		6.00 36.10 36.20
iz				

Work Order 2001155

Page 282 of 638

•

. .

• •

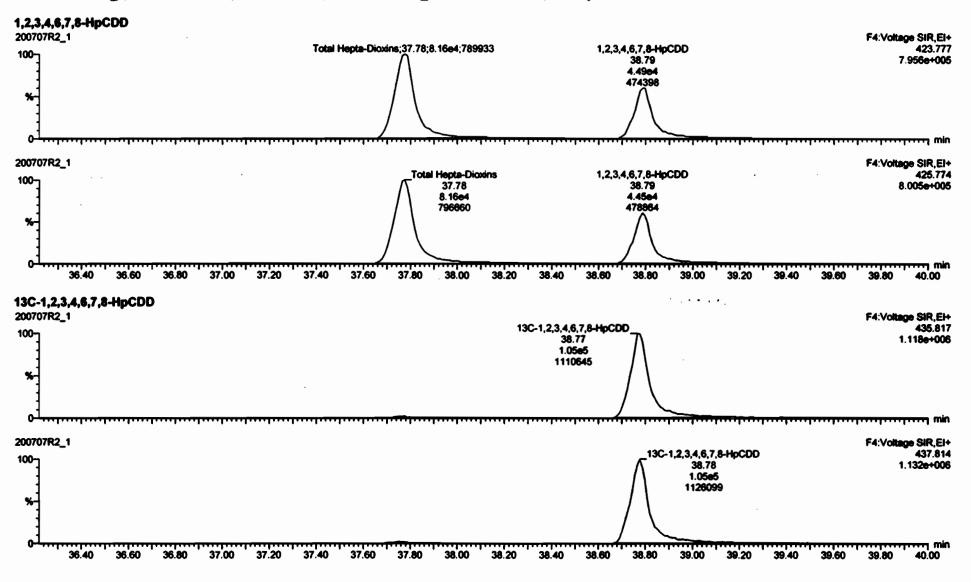
· ·

Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

.

Dataset: Untitled

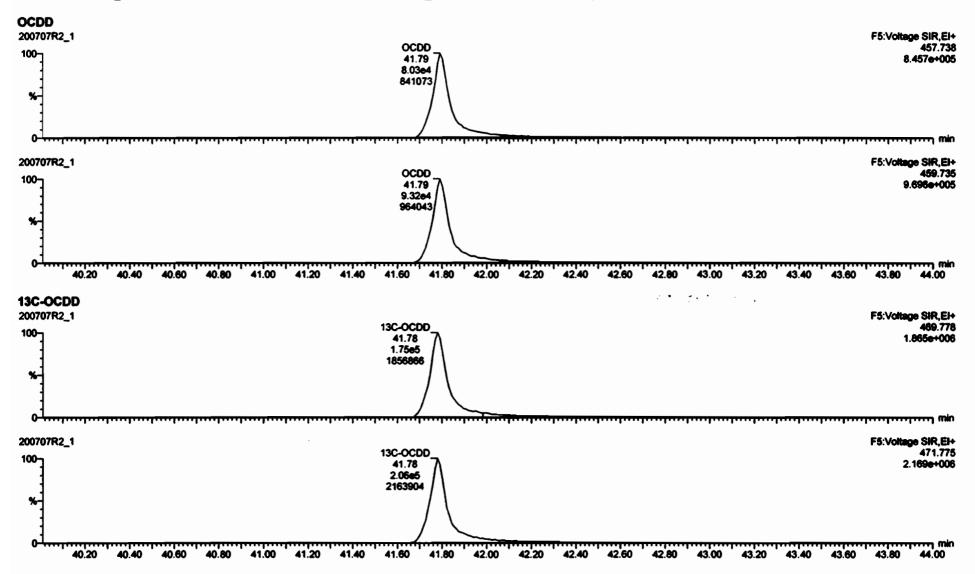
Last Altered:Tuesday, July 07, 2020 1:49:24 PM Pacific Daylight TimePrinted:Tuesday, July 07, 2020 1:49:27 PM Pacific Daylight Time

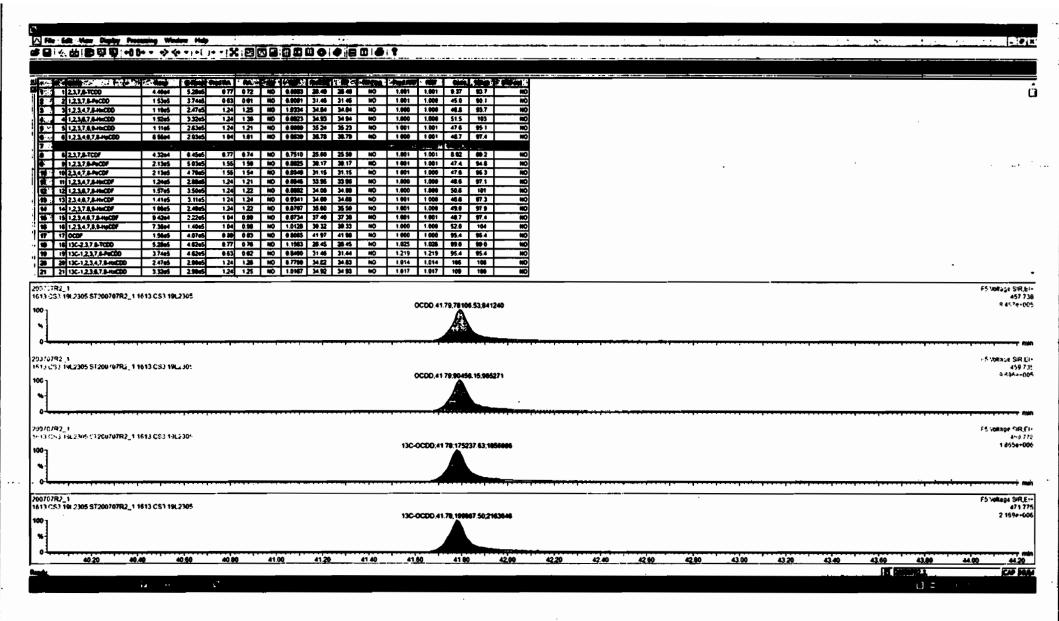


↓ Ro. B.B. Wen Bought Neumaning Wendern Holp ↓ <td< th=""></td<>
Image: Control of the control of th
Bit 1 23.7.4-FCCOO 4.4644 5.865 677 972 100 6.868 144 140 1.97 15.7 100 Bit 2 12.3.7.4-FCCOO 15865 27465 5.83 641 100 1.980 1.981 51.5 100 1.991 1.991 65.8 611 100 1.991 1.992 <th1.992< th=""> <th1.992< th=""> 1.992</th1.992<></th1.992<>
Bit 1 23.7.4-FCCOO 4.4644 5.865 677 972 100 6.868 144 140 1.97 15.7 100 Bit 2 12.3.7.4-FCCOO 15865 27465 5.83 641 100 1.980 1.981 51.5 100 1.991 1.991 65.8 611 100 1.991 1.992 <th1.992< th=""> <th1.992< th=""> 1.992</th1.992<></th1.992<>
S 1 1 3 4 4 4 0 100
A/-a 4 1,2,1,4,7,4-MHCDD 1 52:55 3,26:5 1,34 1,38 MD 9,402 3,43 3,44 1,21 1,20 0,000 3,52 3,52 1,00 1,001 1
8 12,2,7,8,8+mCCD0 1146 263-05 1.24 1.21 100 0.0000 0.915 1.001
B.5 3.5 3.6 0.60 0.60 0.60 0.6138 0.170 1.000 </td
B.:: B. 23,7,8-TCOF 4.326.4 4.4565 0.77 0.7 0.7 0.7 0.0 0.011 1.001 6.12 49.2 HO B.:: 1.3.1,7,8-MeCOF 2.136.5 0.3045 1.55 1.50 HO 0.825 910 1.001 0.00 0.00 0.000 0.00
0
BD: 10 2,3,4,7,8-MCCD* 2 1845 4 7845 156 115 110 1801 1000 47.6 96.3 100 BD: 11 2,3,4,7,8-MCCD* 12445 2.8046 1.34 121 100 6.8048 3165 11.6 1.000 48.6 971 100 BD: 12 12,3,8,7,8-MCCD* 13455 3.146 1.24 1.22 100 6.8048 30.6 1.000 40.6 101 1000 42.6 971 100 BD: 12 12,3,8,7,8-MCCD* 1445 3.146 1.24 1.22 10 6.8914 5.400 8.400 1001 1000 45.6 97.3 MO 161 14 12,3,4,8,7,8-MCCD* 1445 3.406 9.80 97.9 MO 161 12,3,4,8,7,8-MCCD* 9.404 2.2046 1.446 9.87 9.74 MO 161 12,3,4,7,8-MCCD* 9.404 2.2046 4.98 00 1.901
VD 12 12.3.8.7.8.H0.CD* 157e5 3.50e5 1.24 122 HO 0.000 1.000 1.000 50.6 101 HO UD 132 3.4.6.5 134 1301 1301 1301 1301 1301 1301 1301 1301 1301 1301 1301 1301 1301
BI: 13 2.3.4.8.7,8.HBCDF 1 4195 3 1165 1 24 1 24 HO 9294 HO 1 601 1 000 426 97.3 HO 101 1 1.3.1.7,8.HBCDF 1 8465 2 4065 1 32 1 32 HO 0 4871 3 460 3 460 3 560 3 560 3 560 97.9 HO 101 1 1.3.1.7,8.HBCDF 1 8464 2 4065 1 364 3 560 1 354 1 001 1 001 4 00 97.9 HO 101 1 51 1 3.4.8.7.8.HBCDF 9 4264 2 2265 1 564 9 7.3 HO 1 601 1 001 4 00 1 601
961 164 1.2,3,7,8,5+46xCD7 194es 2.49e5 1.21 1.22 HD 9.879 HD 961 16,3,1,7,8,5+46xCD7 9.42e4 2.2266 1.34 0.8734 35.49 35.99 HD 1.001 490 97.9 HD 961 12,3,1,7,8,5+46xCD7 9.36e4 2.2266 1.34 0.09 100 4.871 100 4.873 100 4.871 100 4.97 97.4 HD 961 12,3,1,7,8,5+46xCD7 7.36e4 1.406 0.46 0.00 0.48734 39.20 100 1.001 400 1.001 400 1.001 400 1.001 400 1.001 400 1.001 400 1.001 400 1.001 400 1.001 400 1.001 400 1.001 400 1.001 400 1.001 400
W HB 12.3.4.7,8_MMCDF 7 380-4 1.4645 1.64 0.98 HO 1.9128 39.12
19//1 170 0.00F 1 58+5 4 497+65 0.80 0.83 100 1 600 7 000 95.4
10 12 <th< td=""></th<>
19 13C-1,2,3,7,8-MCDD 3 74e5 4.52x5 0.63 0.02 HD 0.8400 31 46 31.44 HD 1.219 1219 95.4 95.4 HO 101, 201 32-1,2,3,4,7,8-H0CDD 2 47e5 2.9945 1.24 128 HD 0.7790 34.82 34.83 HD 1.014 1014 106 HO
ler entreversionen i verse i serendi real une i raute i sere i an esti i rati i tati inte i une i une i serendi sere i ante i une i serendi sere i ante i une i serendi s
207/07R2_1 F4 Voltage SR EI-
1613 C53 19L2305 ST200707R2_11613 C53 19L2105 1.2.3.4.6.7.8-HpCDD 38.78,42992 10,473655 4 802e+005
18.06
2097C7R2_1 F4 Volage SR.CI-
1613 053 19L2305 5120/7/R2 11513 Civil 19L2301 12.3.4.6.7 840CDD.38 79.42572.28.479654 4 852e-005
39.00
2007C7R2_1 E4 Values SRE+-
1613 CS3 19 2705 (126-0762) 1513 (15-19) (30)
100 ₃ 13C-12.3.4.6.7.8.49CDD.38 77:101490 04.1109641 1186-006
200707R2_1 F4 V0Rage SR/Et-
1613 CS3 T91 2305 ST200707R2 1 1613 CS3 191 2305
100 1 13C-1,2,3,4,6,7,8+(pCDC)38,79,101713 65,1125302 1.132e+005
0 ¹ 38 19 38 20 38 30 38 40 38 50 38 60 38 70 38 60 38 90 39 90 39 90 39 20 39 20 39 50 39 50 39 50 39 50 39 50 39 50 40 00

.

Quantify San Vista Analytica		Page 6 of 13
Dataset:	Untitled	
Last Altered: Printed:	Tuesday, July 07, 2020 1:49:24 PM Pacific Daylight Time Tuesday, July 07, 2020 1:49:27 PM Pacific Daylight Time	



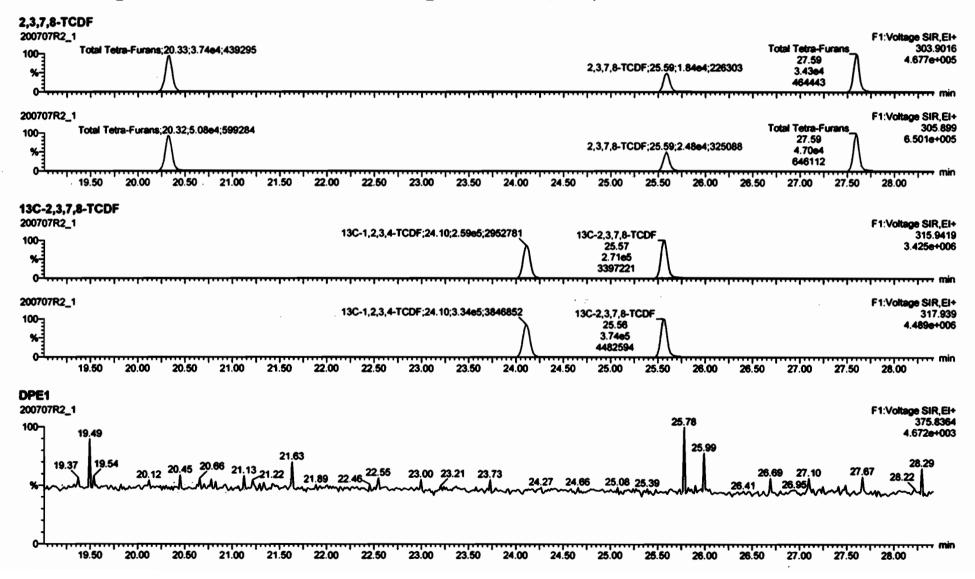


۰.

Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory MassLynx 4.1 SCN815

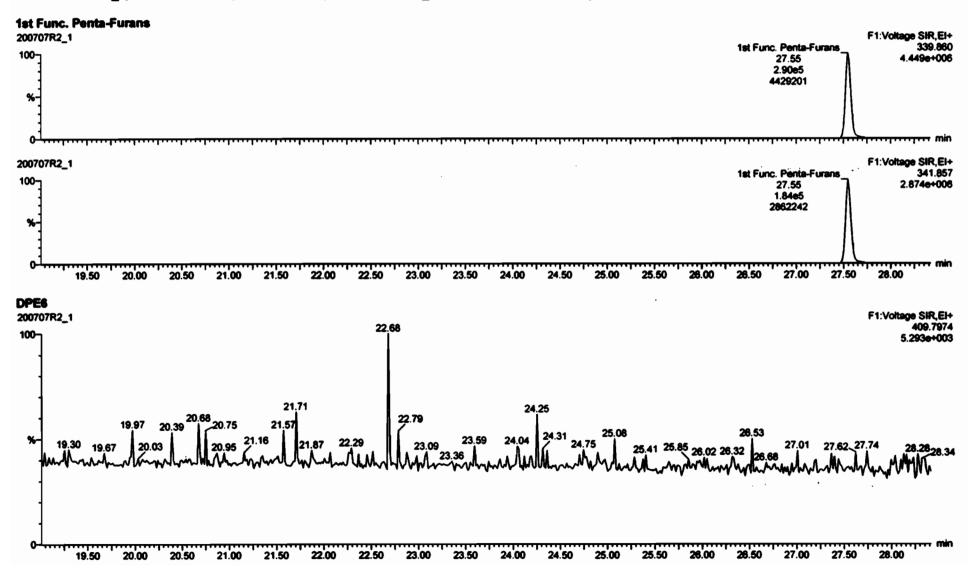
Dataset: Untitled

Last Altered:Tuesday, July 07, 2020 1:49:24 PM Pacific Daylight TimePrinted:Tuesday, July 07, 2020 1:49:27 PM Pacific Daylight Time



Quantify San Vista Analytica		Lynx 4.1 SCN815	Page 8 of 13
Dataset:	Untitled		
Last Altered: Printed:		1:49:24 PM Pacific Daylight Time 1:49:27 PM Pacific Daylight Time	

Name: 200707R2_1, Date: 07-Jul-2020, Time: 12:59:11, ID: ST200707R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



. :

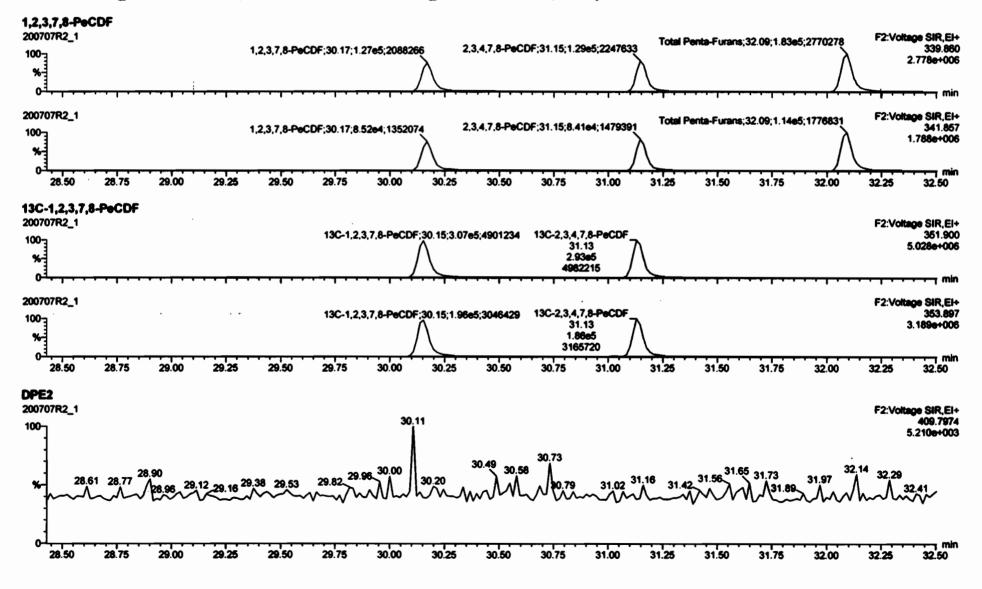
Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory MassLynx 4.1 SCN815

Page 9 of 13

Dataset: Untitled

Last Altered:Tuesday, July 07, 2020 1:49:24 PM Pacific Daylight TimePrinted:Tuesday, July 07, 2020 1:49:27 PM Pacific Daylight Time

Name: 200707R2_1, Date: 07-Jul-2020, Time: 12:59:11, ID: ST200707R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

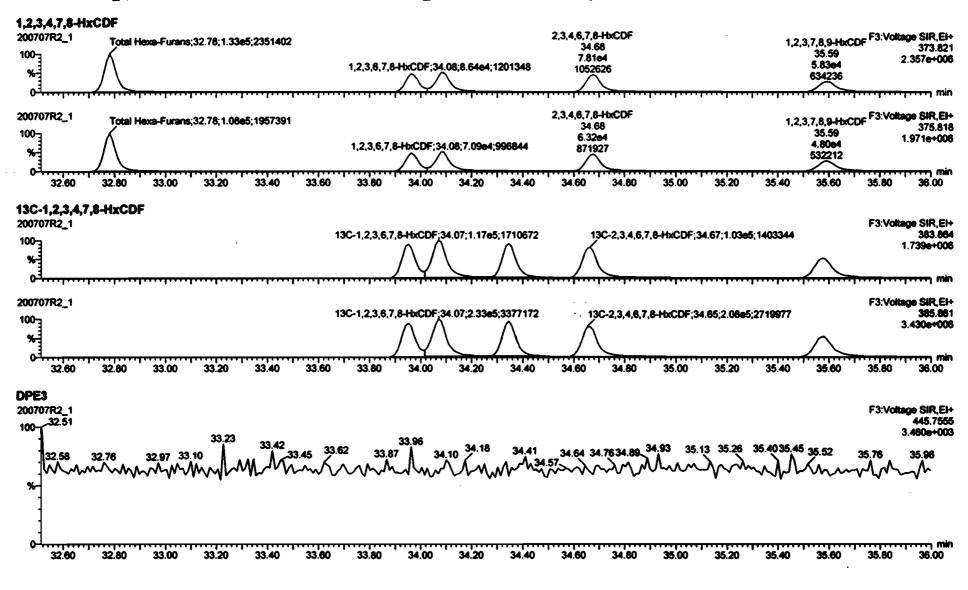


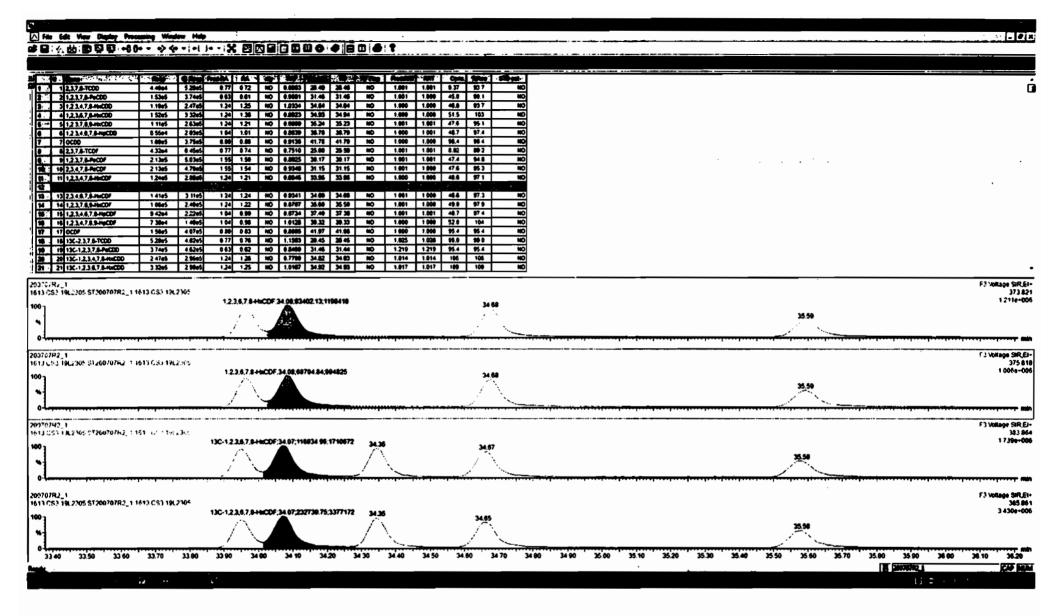
Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

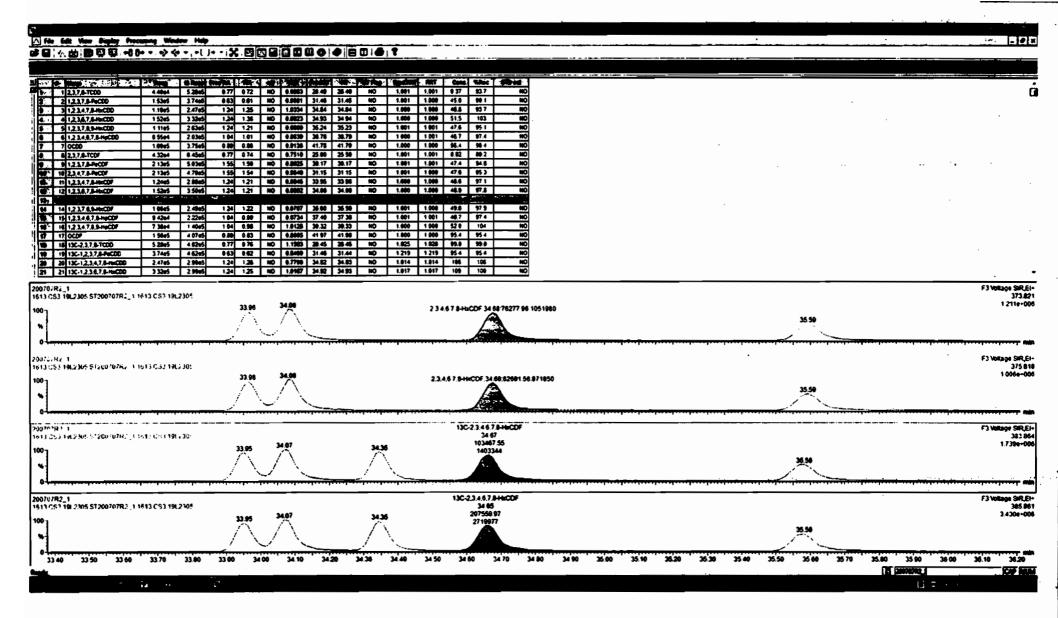
Dataset: Untitled

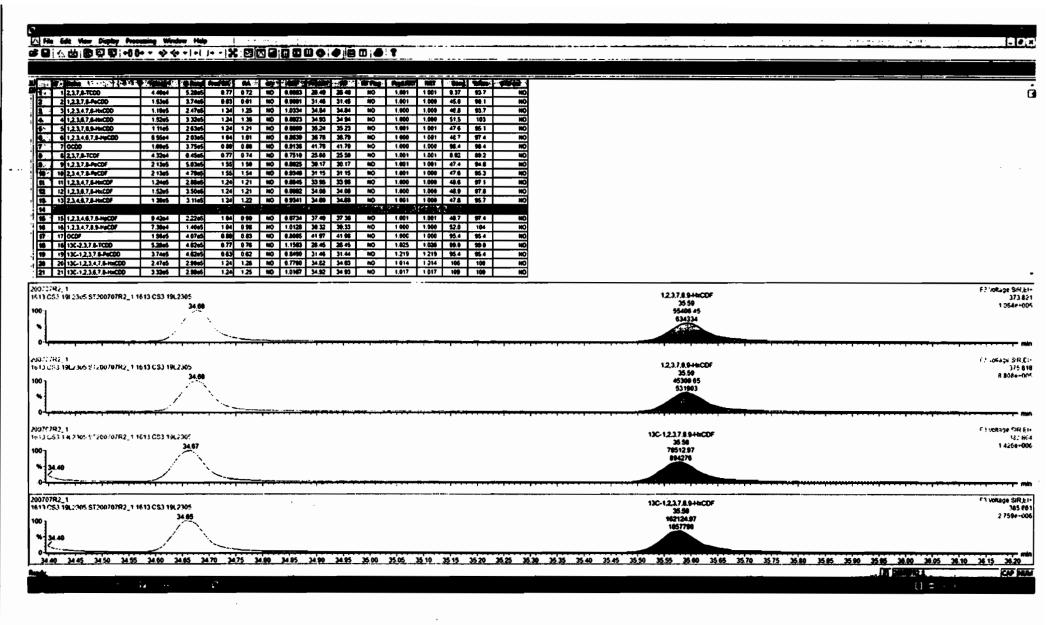
Last Altered:Tuesday, July 07, 2020 1:49:24 PM Pacific Daylight TimePrinted:Tuesday, July 07, 2020 1:49:27 PM Pacific Daylight Time

Name: 200707R2_1, Date: 07-Jul-2020, Time: 12:59:11, ID: ST200707R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



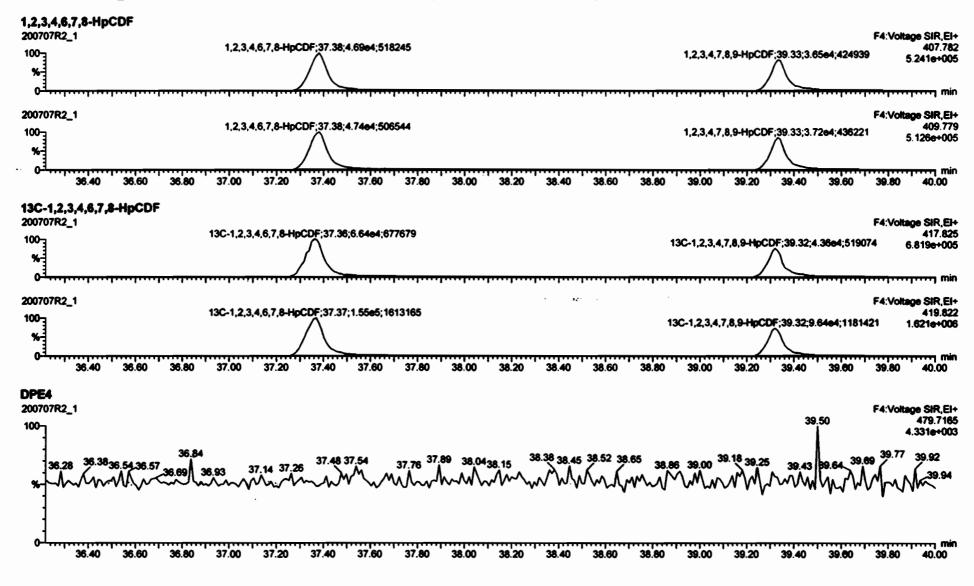






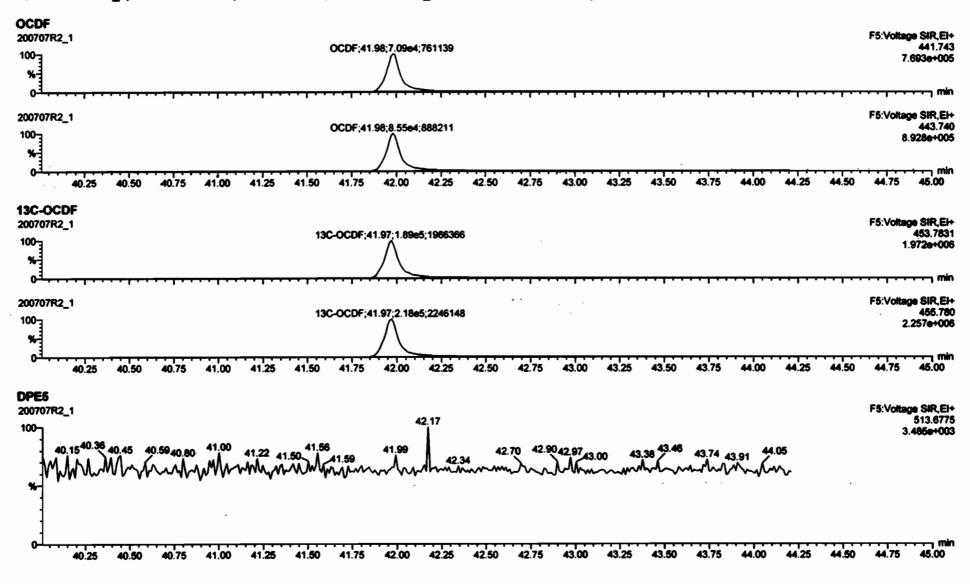
Quantify Sam Vista Analytica		MassLynx 4.1 SCN815	Page 11 of 13
Dataset:	Untitled		
Last Altered: Printed:		7, 2020 1:49:24 PM Pacific Daylight Time 7, 2020 1:49:27 PM Pacific Daylight Time	

Name: 200707R2_1, Date: 07-Jui-2020, Time: 12:59:11, ID: ST200707R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Quantify Sam Vista Analytica		Page 12 of 13
Dataset:	Untitled	
Last Altered: Printed:	Tuesday, July 07, 2020 1:49:24 PM Pacific Daylight Time Tuesday, July 07, 2020 1:49:27 PM Pacific Daylight Time	

Name: 200707R2_1, Date: 07-Jul-2020, Time: 12:59:11, ID: ST200707R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



· ▲ Rip- 64: May Digity Proceeding Window Ha 과 글 ☆ 也: 西京 및 ··0 8+ • ◆ ◆ • · • 1				
Image: Second	0 63 0 61 HO 6.0061 31.45 HO 1.001 1.000 44.8 69.1 HO 1 24 1 25 HO 1.0231 34.64 34.44 MO 1.000 1.004 44.8 69.1 HO 1 24 1 25 HO 1.0231 34.64 MO 1.000 1.004 44.8 69.7 HO 1 24 1 26 HO 1.0233 34.54 MO 1.001 1.004 44.8 69.7 HO 1 24 1 26 HO 8.023 34.53 34.7 MO 1.001 1.001 44.7 77.4 HO 1 24 1 21 HO 8.690 35.79 38.79 HO 1.001 1.001 46.7 97.4 HO 0 8.00 0.69736 137.13 179 HO 1.001 1.001 46.7 46.8 HO 1 54 1.60 8.026 35.17 39.17 HO 1.801 <t< td=""><td></td><td></td><td></td></t<>			
200707R2_1 1013 CS3 19L2305 ST200707R2_1 1613 CS3 13L2305 100 %		2		م 141743 SiRibi- 441743 7 5916-004
0	OCDF,41.98:34244 48.38903	6		i r: r:Rage SIR,Ei+ 443,740 3 9,74e−004
0	13C-OCDF;41.97;186784 48:198	16 12		19/20-005
200707R2_1 1611 CS3 191 2305 ST200707R2_1 1613 CS3 19L2105 100 %-	13C-OCDF;41.97.215175.91,224	\$675	· · · · · · · · · · · · · · · · · · ·	f : kRage 3/R E+ 455 780 2 257e+006
40,20 40,40 40,60 Regist	40,80 41.00 41.20 41.40 41,60 41.80 42,00	42.29 42.40 42.80 42.90 43.00	43,20 43.40 43,40 43,40 [[] [] [] [] [] [] [] [] [] [] [] [] []	44.00 44.20 CAP (MAA

Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory MassLynx 4.1 SCN815

Dataset: Untitled

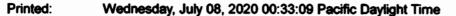
Last Altered: Tuesday, July 07, 2020 1:49:24 PM Pacific Daylight Time Tuesday, July 07, 2020 1:49:27 PM Pacific Daylight Time

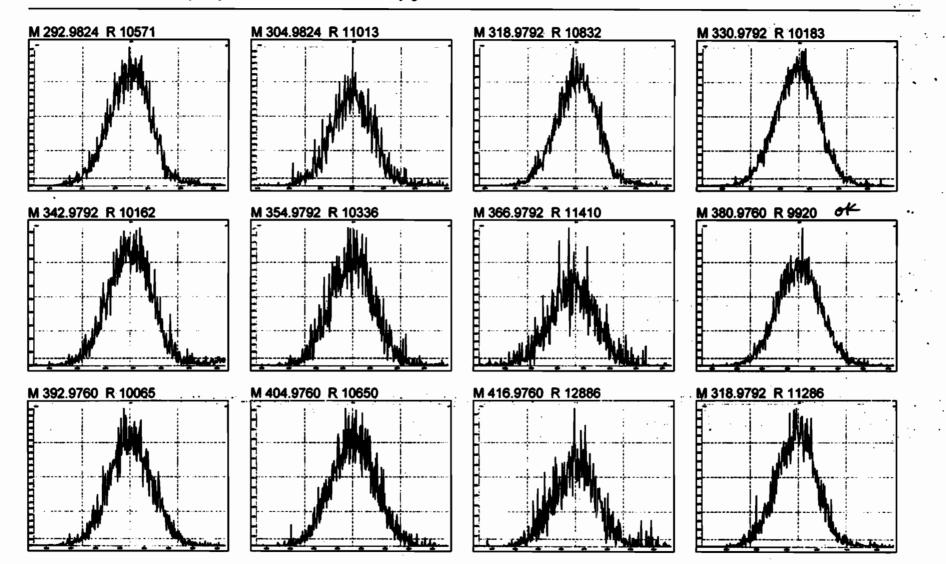
Name: 200707R2_1, Date: 07-Jul-2020, Time: 12:59:11, ID: ST200707R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

PFK1 200707R2_1 19.70;7.51e4;405669 20.42 20.62;1.12e4;117523 21.75;1.68e4;130948 23.09 23.64;1.48e3;74531 24.46 25.11;6.93e3;156121 26.39;8.30e3;119792 27.41;7.23e3;1	
19:50 20:00 20:50 21:00 22:50 23:00 23:50 24:00 24:50 25:50 26:00 26:50 27:00 27:50 PFK2 200707R2_1 28:78;3.80e5;587285 28:78;3.80e5;587285 28:78;3.80e5;587285 30:40:30.44 30:67 30:86 31.16 31.24:31.27:31.48 31.69 31.77 31.94 32:11 30:40:30.44 30:67 30:86 31.16 31.24:31.27:31.48 31.69 31.77 31.94 32:11 30:40:30.44 30:67 30:86 31.16 31.24:31.27:31.48 31.69 31.77 31.94 31.16 9 28:51 28:51 30:40:30.44 30:67 30:86 31.16 31.24:31.27:31.48 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77 31.94 31.77	0 28.00 F2:Voltage SIR,EI+ 32.20 366.9792 T.1226+006
0 ¹ 28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 32.00	32.25 32.50
PFK3 200707R2_1 100 32.51 32.51 32.60 33.00 33.00 33.00 33.60 34.00 34.00 34.60 35.00 35.00 35.00 35.20 35.00 35.20 35.00 35.20 35.00 35.20 35.00 35.20 35.00 35.20 35.00 35.20 35.00 35.20 35.00 35.20 35.00 35.20 35.00 35.20 35.00 35.00 35.00 35.00 35.00 35.00 35.00 35.00 35.00 35.00 35.00 35.00 35.00 35.00	F3:Voltage SIR,EI+ 380.9760 35.78 4.816e+006
PFK4 200707R2_1 36.41;2.56e5;1488161 37.03 37.10 37.22 37.53 37.94.37.97 38.13 38.19 38.37 38.58 38.81 39.02 39.28 39.50 %	F4:Voltage SIR,EI+ 39.82 430.9728 3:225e+006
0 ⁻¹	,39.80 40.00
PFK5 200707R2_1 100 40.53;1.9665;437833 41.00 41.1441.43 41.6141.68 42.13 42.40 42.74 42.85 42.93 43.08 43.31 43.53 43.71 43.92 44.18	F5:Voltage SIR,EI+ 454.9728 2.138e+006

MassLynx 4.1 SCN815

Page 1 of 4



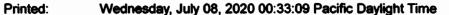


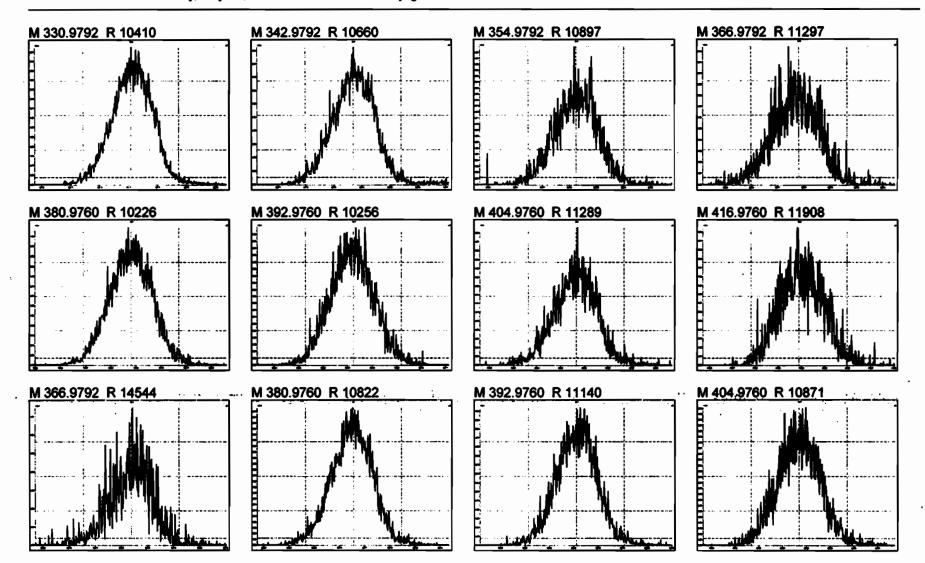
. . .

.

MassLynx 4.1 SCN815

Page 2 of 4



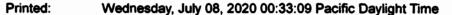


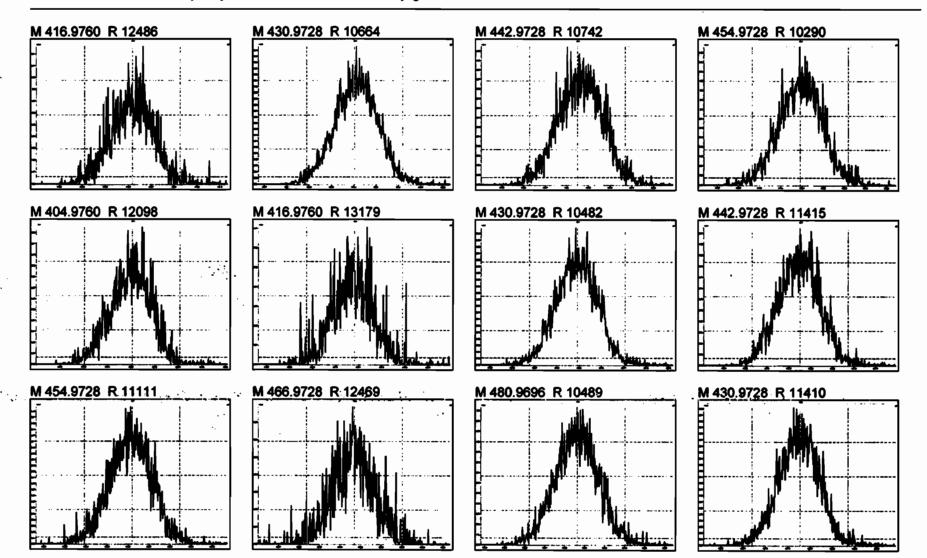
Work Order 2001155

.

MassLynx 4.1 SCN815

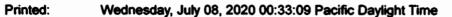
Page 3 of 4

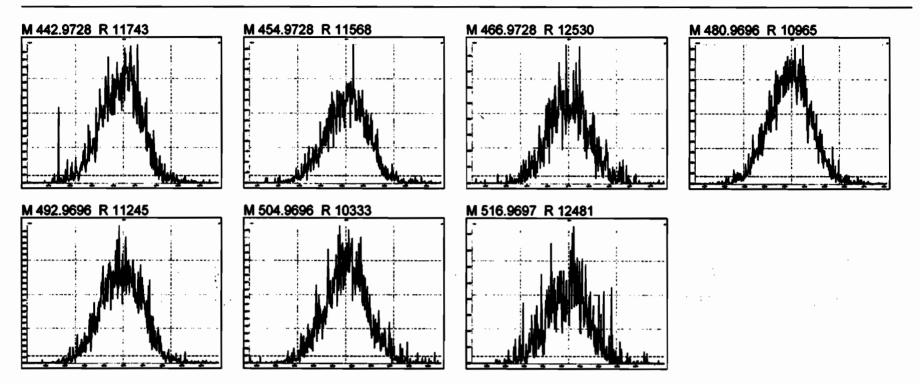




MassLynx 4.1 SCN815

Page 4 of 4





· · · · ·

. .

. *

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID: ST200708D1-1		F	Leviewed By: (707/09/2020		
End Calibration ID:			initials & Date		
Ion abundance within QC limits?	Beg.	End	Mass resolution >	Beg.	End
Concentrations within criteria?	\Box		_ □ 5k □ 6-8K □ 8K ☑ 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%		NA	intergrated peaks display correctly?		2
First and last eluters present?	NH	UA	GC Break <20%		
Retention Times within criteria?			8280 CS1 End Standard:		•
Verification Std. named correctly?			- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		NA
(ST-Year-Month-Day-VG ID)			· · · · · · · · · · · · · · · · · · ·		
Forms signed and dated?			Comments:		,
Correct ICAL referenced?)B_)B_			
<u>Run Log:</u>	-				
- Correct Instrument listed?	~	\checkmark			
 Samples within 12 hour clock? Bottle position verfied? 	(Y)	N		•	

ID: LR - HCSRC

Quantify Sample Summary Report	MassLynx 4.1
Vista Analytical Laboratory	

U:\VG7.PRO\Results\200708D1\200708D1_2.qld Dataset:

Last Altered:	Wednesday, July 08, 2020 11:09:51 Pacific Daylight Time
Printed:	Wednesday, July 08, 2020 11:11:05 Pacific Daylight Time

DB 7/8/20 CT07/09/2020

Method: U:\VG7.PRO\MethDB\tcdf.mdb 03 Jul 2020 14:40:52 Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200708D1_2, Date: 08-Jul-2020, Time: 10:38:29, ID: ST200708D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

-	, Date: 00 001-2020,							, _				1613	8290	
1 2,3,7 2 13C		Resp	RA	n/y	RRF	wt/vol	Pred.RT		TRUNKRI'	- EQ.	Conce			Sec. 13.1
1 2,3,7	,8-TCDF	1.40e4	0.81	NO	0.982	1.000	16.925	16.95	1.000	1.001	8.7821	87.884-120		-
2 13C-	2,3,7,8-TCDF	1.62e5	0.75	NO	1.08	1.000	16.882	16.92	1.133	1.135	102.00	102 71 - 140	0.361 70-130	
	1,2,3,4-TCDF	1.47e5	0.76	NO	1.00	1.000	15.060	14.91	1.000	1.000	100.00	100	0.391	

Quantify Compound Summary Report Vista Analytical Laboratory VG-11 MassLynx 4.1

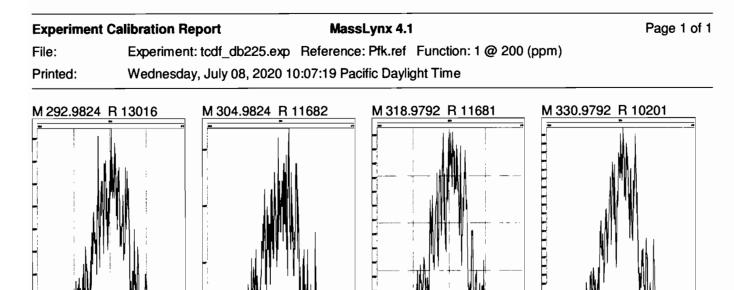
Untitled Dataset:

Last Altered: Thursday, July 09, 2020 09:30:53 Pacific Daylight Time Thursday, July 09, 2020 09:30:58 Pacific Daylight Time Printed:

Method: U:\VG7.PRO\MethDB\tcdf.mdb 03 Jul 2020 14:40:52 Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Compound name: 2,3,7,8-TCDF

			Acq.Dete	
	200708D1_1	CP200708D1-1 DB-225 CPSM	08-Jul-20	10:08:20
	200708D1_2	ST200708D1-1 1613 CS3 19L2305	08-Jul-20	10:38:29
	200708D1_3	SOLVENT BLANK	08-Jul-20	11:10:12
	200708D1_4	2001022-11RE1 PDI-051SC-B-02-04-200506	. 08-Jul-20	11:41:57
	200708D1_5	2001243-03RE1 ISUXO20SS500001 21.23	08-Jul-20	12:13:38
-A.	200708D1_6	2001243-10RE1 ISUXO20SSP50P0001 21.03	08-Jul-20	12:45:20
	200708D1_7	2001033-01RE2 PDI-087SC-B-00-02-200509	. 08-Jul-20	13:17:06
	200708D1_8	2001207-02RE1 ISUXO20SB350102 11.15	08-Jul-20	13:48:46
	200708D1_9	2001207-03RE1 ISUXO20SS390001 15.85	08-Jul-20	14:20:29
	200708D1_10	2001207-04RE1 ISUXO20SB390102 12.79	08-Jul-20	14:52:11
	200708D1_11	2001035-02RE1 PDI-050SC-A-01-02-200508	. 08-Jul-20	15:27:49
	200708D1_12	2001035-08RE1 PDI-050SC-B-00-02-200508	. 08-Jul-20	15:57:51
	200708D1_13	2001035-11RE1 PDI-093SC-B-00-02-200508	. 08-Jul-20	16:29:33
See. 2	200708D1_14	2001035-12RE1 PDI-093SC-B-02-05-200508	. 08-Jul-20	17:01:15
	200708D1_15	2001035-13RE1 PDI-093SC-B-05-6.6-200508 .	08-Jul-20	17:32:52
	200708D1_16	2001155-01RE1 PDI-1175SC-A-01-02-200522.	08-Jul-20	18:04:33
11 (1995) - S	200708D1_17	2001155-02RE1 PDI-175SC-A-00-01-200522	. 08-Jul-20	18:36:13
and the second	200708D1_18	2001155-03RE1 PDI-175SC-A-01-02-200522	. 08-Jul-20	19:07:55
High line of	200708D1_19	2000855-15RE4 PDI-076SC-A-06-07-191013	. 08-Jul-20	19:40:02
- 46:22 L	200708D1_20	SOLVENT BLANK	08-Jul-20	20:11:45
	200708D1_21	ST200708D1-2 1613 CS3 19L2305	08-Jul-20	20:43:29



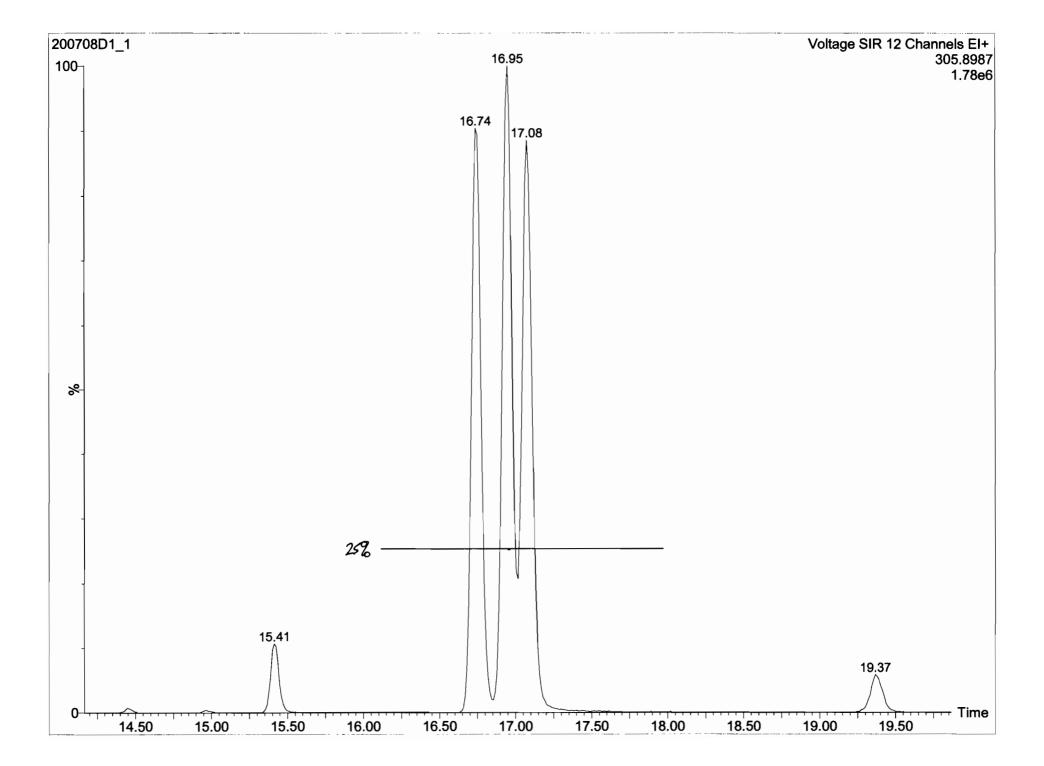
M 354.9792 R 16030

M 366.9792 R 12251

M 380.9760 R 11962

Ē

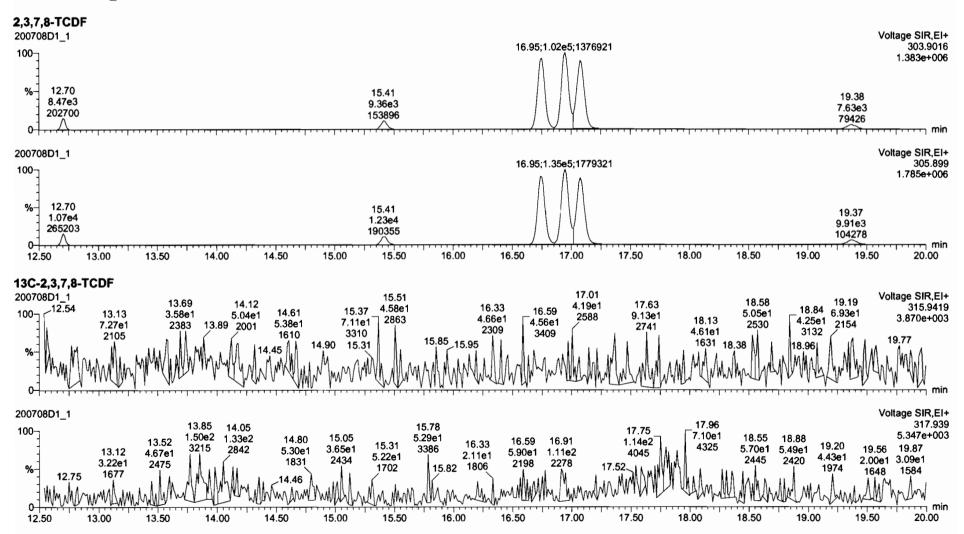
M 342.9792 R 10870



•	ast Altered: Wednesday, July 08, 2020 11:11:41 Pacific Daylight Time	
Dataset:	U:\VG7.PRO\Results\200708D1\200708D1_1.qld	
Last Altered: Printed:	Wednesday, July 08, 2020 11:11:41 Pacific Daylight Time Wednesday, July 08, 2020 11:12:35 Pacific Daylight Time	

Method: U:\VG7.PRO\MethDB\tcdf.mdb 03 Jul 2020 14:40:52 Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200708D1_1, Date: 08-Jul-2020, Time: 10:08:20, ID: CP200708D1-1 DB-225 CPSM, Description: DB-225 CPSM



Quantify Sample Report MassLynx 4.1

Vista Analytical Laboratory VG-10

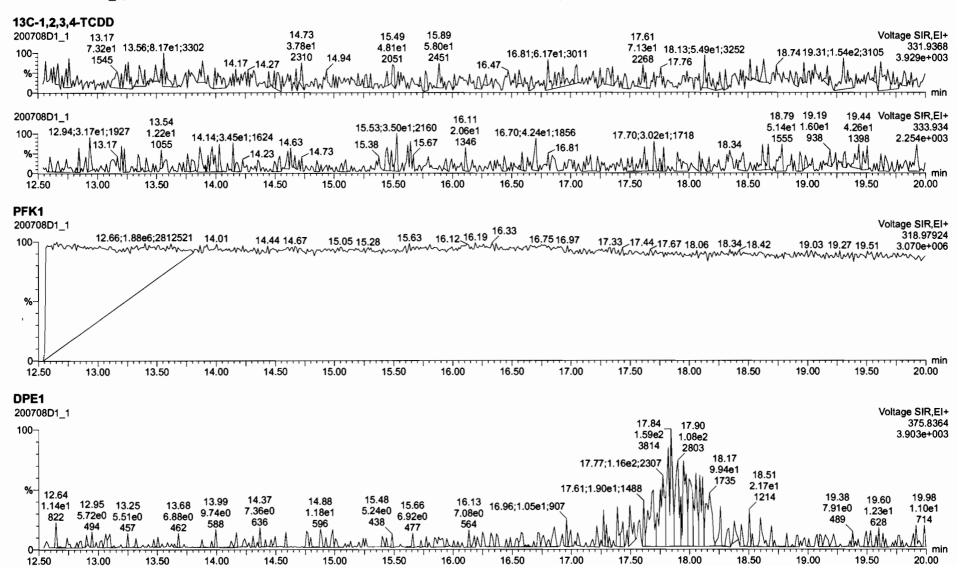
1

Page 2 of 2

Dataset: U:\VG7.PRO\Results\200708D1\200708D1_1.qld

Last Altered: Wednesday, July 08, 2020 11:11:41 Pacific Daylight Time Printed: Wednesday, July 08, 2020 11:12:35 Pacific Daylight Time

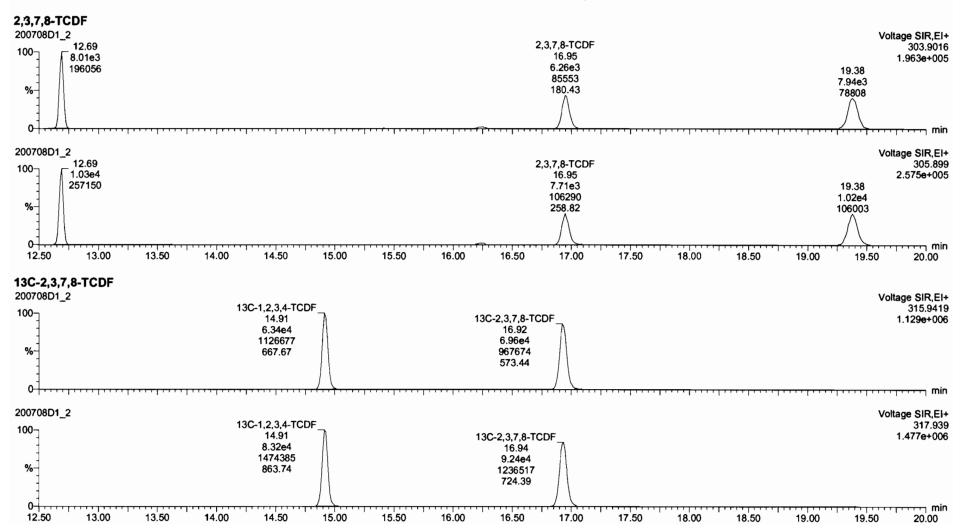
Name: 200708D1_1, Date: 08-Jul-2020, Time: 10:08:20, ID: CP200708D1-1 DB-225 CPSM, Description: DB-225 CPSM



Quantify Sample Report MassLynx 4.1 F Vista Analytical Laboratory VG-10 F Dataset: U:\VG7.PRO\Results\200708D1\200708D1_2.qld			
Dataset:	U:\VG7.PRO\Results\200708D1\200708D1_2.qld		
Last Altered: Printed:	Wednesday, July 08, 2020 11:09:51 Pacific Daylight Time Wednesday, July 08, 2020 11:11:31 Pacific Daylight Time		

Method: U:\VG7.PRO\MethDB\tcdf.mdb 03 Jul 2020 14:40:52 Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200708D1_2, Date: 08-Jul-2020, Time: 10:38:29, ID: ST200708D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



	I Laboratory VG-10										ge 2 of 2
ataset:	U:\VG7.PRO\Resu	ults\200708D1\200708	BD1_2.qld								
ast Altered: rinted:		08, 2020 11:09:51 Pa 08, 2020 11:11:31 Pa								_	
ame: 200708	D1_2, Date: 08-Ju	l-2020, Time: 10:38:2	29, ID: ST200708E	91-1 1613 CS3	19L2305, D	escription:	1613 CS3	19L2305			
3C-1,2,3,4-TC	CDD										
00708D1_2			15.52	3C-1,2,3,4-TCDD	;15.61;4.45 e 4;6	691179;438.68				Voltag	331.9368
00 -			4.38e4 7 K	/						7.	.677e+005
%-			766777								
0-1		*******							****	, , , , , , , , , , , , , , , , , , , ,	mir
- 1 - 1	1						, ,				,
00708D1_2			15.52	3C-1,2,3,4-TCDE	15 61 5 43e4	42021-871 92				Voltag	333.93 je SIR,EI
00 - E			5.55e4 1 K	00-1,2,0,+-1000	, 10.01,0.4004,0					9.	.475e+00
%			946319 / \/								
0									_		mir
	3.00 13.50	14.00 14.50	15.00 15.50	16.00	16.50	17.00	17.50	18.00	18.50 19.0	0 19.50	
FK1		• • • • •									·
00708D1_2	13.7 2.22	8 14.17 93 4.55e3 15.34:1	1 2602-117120 45 20	16.0	16 72.2 02.2	143760 17	.53 17 73	10.01 10.1	18 88.4 61e3.1	Voltag 84247 19.51 10 70	318 9792
⁰⁰ 12.73 13	- 13.13 13.38 1AA2	51 153007 14.60	1.36e3;117139 15.38	15.73 16.3	MMMMMMAM	MAM_MM	mourin	18.24 18.3	mm Milen	84247 19.51 19.79	/529e+00
mm	3.01 mmmmmmmmmm	mann	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					• • • •		Y V	·
%-											
]]											
12.50 13	3.00 13.50	14.00 14.50	15.00 15.50	16.00	16.50	17.00	17.50	18.00	18.50 19.0	0 19.50	mir 20.00
PE1											
00708D1_2										Voltag	e SIR,EI
00						17.22	.32			1	375.836 130e+00
-		44.00								19,40	
]	13.71	14.69 14.03 14.65 (.14.76	15.92	16.37 16.56 10		17.52			19.58_19	66
			14.94	16.05	10	5.89	17.77 17	.89			.00
12.62 12	.97 13.33 13.41			15.78				18.17	18.55 18.95	19.25	

13.00

13.50

14.00

14.50

15.00

15.50

16.00

16.50

17.00

17.50

18.00

0-+----

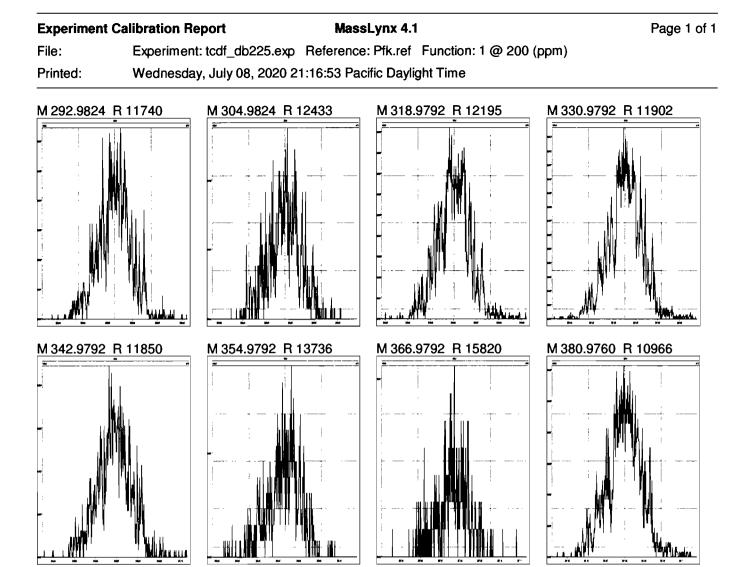
19.50

WU

----- min 20.00

18.50

19.00



INITIAL CALIBRATION

Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

DB 5/27/20 CTUS/27/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Compound name: 2,3,7,8-TCDD Response Factor: 0.986442 RRF SD: 0.13547, Relative SD: 13.7332 Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	0.250	0.87	NO	26.16	1.001	2.84e2	1.15e5	0.251	0.3	0.990	MM
2	200526D2_3	0.500	0.86	NO	26.19	1.001	6.01e2	1.13e5	0.540	8.1	1.07	bb
3	200526D2_4	2.00	0.78	NO	26.17	1.001	1.98e3	1.21e5	1.66	-16.8	0.820	bb
4	200526D2_5	10.0	0.82	NO	26.19	1.001	1.00e4	1.15e5	8.86	-11.4	0.874	db
5	200526D2_6	40.0	0.80	NO	26.19	1.001	4.74e4	1.22e5	39.4	-1.6	0.970	bb
6	200526D2_7	300	0.80	NO	26.19	1.001	3.68e5	1.02e5	364	21.5	1.20	bb

Compound name: 1,2,3,7,8-PeCDD Response Factor: 0.963666 RRF SD: 0.129338, Relative SD: 13.4215 Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area) Curve type: RF

1 - m	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	0.63	NO	30.61	1.000	8.84e2	8.06e4	1.14	-9.0	0.877	bb
2	200526D2_3	2.50	0.67	NO	30.63	1.001	2.07e3	8.18e4	2.63	5.2	1.01	bb
3	200526D2_4	10.0	0.61	NO	30.63	1.001	7.46e3	8.84e4	8.76	-12.4	0.844	bb
4	200526D2_5	50.0	0.62	NO	30.63	1.001	3.66e4	8.41e4	45.2	-9.6	0.871	bb
5	200526D2_6	200	0.62	NO	30.63	1.001	1.76e5	8.91 e 4	205	2.6	0.988	bb
6	200526D2_7	1500	0.63	NO	30.63	1.000	1.40e6	7.85e4	1850	23.2	1.19	bb

Page 1 of 16

Dataset:	U:\VG7.PRO\Results\200526D2\200526D2	CRV.qld
----------	--------------------------------------	---------

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD Response Factor: 1.16246 RRF SD: 0.166976, Relative SD: 14.364 Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.27	NO	33.95	1.001	7.92e2	6.23e4	1.09	-12.5	1.02	bd
2	200526D2_3	2.50	1.28	NO	33.94	1.000	1.90e3	6.18 e 4	2.64	5.4	1.23	bd
3	200526D2_4	10.0	1.21	NO	33.95	1.000	6.57e3	6.66e4	8.48	-15.2	0.986	bd
4	200526D2_5	50.0	1.26	NO	33.95	1.000	3.52e4	6.49e4	46.6	-6.7	1.08	bd
5	200526D2_6	200	1.25	NO	33.95	1.000	1.72e5	7.00e4	212	5.8	1.23	bd
6	200526D2_7	1500	1.25	NO	33.96	1.000	1.43e6	6.66e4	1850	23.2	1.43	bd

Compound name: 1,2,3,6,7,8-HxCDD Response Factor: 1.00759 RRF SD: 0.120605, Relative SD: 11.9697 Response type: Internal Std (Ref 21), Area * (IS Corrc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.12	NO	34.05	1.000	8.39e2	7.10e4	1.17	-6.1	0.946	db
2	200526D2_3	2.50	1.30	NO	34.06	1.000	1.99e3	7.22e4	2.73	9.2	1.10	db
3	200526D2_4	10.0	1.22	NO	34.06	1.001	6.99e3	7.92e4	8.76	-12.4	0.883	db
4	200526D2_5	50.0	1.29	NO	34.06	1.001	3.48e4	7.68e4	44.9	-10.2	0.905	db
5	200526D2_6	200	1.25	NO	34.06	1.000	1.70e5	8.35e4	202	1.0	1.02	db
6	200526D2_7	1500	1.23	NO	34.07	1.000	1.38e6	7.72e4	1780	18.4	1.19	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 1.00838 RRF SD: 0.138343, Relative SD: 13.7193 Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area) Curve type: RF

19718	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.26	NO	34.37	1.001	7.73e2	6.94e4	1.10	-11.7	0.890	bb
2	200526D2_3	2.50	1.15	NO	34.34	1.000	2.00e3	7.14e4	2.78	11.2	1.12	bb

Page 2 of 16

Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 1,2,3,7,8,9-HxCDD

-	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	10.0	1.24	NO	34.36	1.000	6.73e3	7.54e4	8.84	-11.6	0.892	bb
4	200526D2_5	50.0	1.26	NO	34.36	1.000	3.36e4	7.47e4	44.6	-10.7	0.900	bb
5	200526D2_6	200	1.26	NO	34.36	1.000	1.67e5	8.10e4	204	2.2	1.03	bb
6	200526D2_7	1500	1.24	NO	34.37	1.000	1.39e6	7.61e4	1810	20.6	1.22	bb

Compound name: 1,2,3,4,6,7,8-HpCDD Response Factor: 0.996525 RRF SD: 0.136501, Relative SD: 13.6977 Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Flesp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.15	NO	37.78	1.000	6.60e2	5.48e4	1.21	-3.3	0.963	bb
2	200526D2_3	2.50	0.96	NO	37.79	1.000	1.56e3	5.77e4	2.71	8.6	1.08	bb
3	200526D2_4	10.0	1.16	NO	37.79	1.000	5.03e3	5.98e4	8.44	-15.6	0.841	bb
4	200526D2_5	50.0	1.03	NO	37.79	1.000	2.77e4	6.34e4	43.9	-12.2	0.875	bd
5	200526D2_6	200	1.01	NO	37.79	1.000	1.37e5	6.79e4	202	1.1	1.01	bb
6	200526D2_7	1500	1.03	NO	37.80	1.000	1.16e6	6.37e4	1820	21.4	1.21	bb

Compound name: OCDD Response Factor: 1.01327 RRF SD: 0.124347, Relative SD: 12.2718 Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area) Curve type: RF

14.1	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	2.50	0.88	NO	41.07	1.000	1.13e3	1.01e5	2.21	-11.8	0.894	MM
2	200526D2_3	5.00	0.83	NO	41.09	1.000	2.77e3	1.05e5	5.22	4.3	1.06	bd
3	200526D2_4	20.0	0.87	NO	41.09	1.000	9.83e3	1.09e5	17.7	-11.4	0.897	bd
4	200526D2_5	100	0.89	NO	41.09	1.000	5.26e4	1.13e5	92.2	-7.8	0.934	bd
5	200526D2_6	400	0.87	NO	41.10	1.001	2.65e5	1.20e5	434	8.6	1.10	bd
6	200526D2_7	3000	0.89	NO	41.12	1.000	2.27e6	1.27e5	3540	18.2	1.20	bb

Dataset:	U:\VG7.PRO\Results\200526D2\200526D2	CRV.gld
----------	--------------------------------------	---------

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 2,3,7,8-TCDF Response Factor: 0.833401 RRF SD: 0.120463, Relative SD: 14.4544 Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area) Curve type: RF

13410	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	0.250	0.88	NO	25.39	1.001	3.10e2	1.74e5	0.214	-14.3	0.714	bb
2	200526D2_3	0.500	0.67	NO	25.39	1.000	7.87e2	1.69e5	0.558	11.6	0.930	bb
3	200526D2_4	2.00	0.69	NO	25.42	1.001	2.82e3	1.83e5	1.85	-7.3	0.772	bb
4	200526D2_5	10.0	0.75	NO	25.41	1.001	1.34e4	1.83e5	8.77	-12.3	0.731	bb
5	200526D2_6	40.0	0.75	NO	25.42	1.001	6.45e4	1.93e5	40.0	0.0	0.833	bb
6	200526D2_7	300	0.77	NO	25.42	1.001	5.10e5	1.67e5	367	22.4	1.02	bb

Compound name: 1,2,3,7,8-PeCDF Response Factor: 0.964878 RRF SD: 0.13273, Relative SD: 13.7562 Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area) Curve type: RF

1000	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.49	NO	29.44	1.000	1.40e3	1.35e5	1.07	-14.1	0.829	bb
2	200526D2_3	2.50	1.57	NO	29.46	1.001	3.25e3	1.31e5	2.58	3.3	0.997	bb
3	200526D2_4	10.0	1.58	NO	29.46	1.001	1.19e4	1.42e5	8.69	-13.1	0.838	bd
4	200526D2_5	50.0	1.57	NO	29.46	1.001	6.36e4	1.39e5	47.4	-5.2	0.915	bb
5	200526D2_6	200	1.59	NO	29.46	1.000	3.04e5	1.47e5	214	7.0	1.03	bb
6	200526D2_7	1500	1.58	NO	29.48	1.001	2.35e6	1.33e5	1830	22.1	1.18	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.00958 RRF SD: 0.125614, Relative SD: 12.4421 Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.77	NO	30.33	1.000	1.52e3	1.28e5	1.17	-6.2	0.947	MM
2	200526D2_3	2.50	1.76	NO	30.35	1.001	3.23e3	1.24e5	2.58	3.3	1.04	bb

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 2,3,4,7,8-PeCDF

1

State Law or	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	10.0	1.67	NO	30.35	1.001	1.19e4	1.40e5	8.42	-15.8	0.850	bb
4	200526D2_5	50.0	1.58	NO	30.35	1.001	6.33e4	1.33e5	47.2	-5.5	0.954	bb
5	200526D2_6	200	1.59	NO	30.35	1.001	3.00e5	1.44e5	207	3.3	1.04	bb
6	200526D2_7	1500	1.57	NO	30.35	1.000	2.35e6	1.29e5	1810	20.9	1.22	bb

Compound name: 1,2,3,4,7,8-HxCDF Response Factor: 1.09486 RRF SD: 0.132448, Relative SD: 12.0973 Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area) Curve type: RF

See.	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.40	NO	33.04	1.000	1.15e3	9.20e4	1.14	-8.7	1.00	bd
2	200526D2_3	2.50	1.30	NO	33.05	1.000	2.67e3	9.26e4	2.63	5.3	1.15	bd
3	200526D2_4	10.0	1.20	NO	33.05	1.000	9.98e3	1.02e5	8.93	-10.7	0.977	bd
4	200526D2_5	50.0	1.27	NO	33.05	1.000	4.90e4	1.00e5	44.7	-10.5	0.980	bd
5	200526D2_6	200	1.26	NO	33.05	1.000	2.51e5	1.09e5	211	5.3	1.15	dd
6	200526D2_7	1500	1.25	NO	33.06	1.000	1.98e6	1.01e5	1790	19.4	1.31	dd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.06552 RRF SD: 0.142006, Relative SD: 13.3275 Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area) Curve type: RF

1000	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.13	NO	33.17	1.000	1.12e3	9.80e4	1.07	-14.3	0.913	db
2	200526D2_3	2.50	1.24	NO	33.18	1.000	2.72e3	9.78e4	2.61	4.4	1.11	db
3	200526D2_4	10.0	1.28	NO	33.18	1.001	1.01 e 4	1.06e5	8.96	-10.4	0.954	db
4	200526D2_5	50.0	1.24	NO	33.18	1.001	5.13e4	1.04e5	46.1	-7.8	0.982	db
5	200526D2_6	200	1.26	NO	33.18	1.000	2.59e5	1.14e5	214	7.0	1.14	db
6	200526D2_7	1500	1.25	NO	33.19	1.001	2.01e6	1.04e5	1820	21.1	1.29	db

Dataset: U:\VG7.PRO\Results\200526D2\200526D2 CRV.gld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 2,3,4,6,7,8-HxCDF Response Factor: 1.15441 RRF SD: 0.159568, Relative SD: 13.8224 Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area) Curve type: RF

1 F 8 1	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.33	NO	33.77	1.001	1.11e3	8.65e4	1.12	-10.8	1.03	bb
2	200526D2_3	2.50	1.26	NO	33.79	1.001	2.72e3	8.89e4	2.65	6.0	1.22	bb
3	200526D2_4	10.0	1.23	NO	33.77	1.000	9.76e3	9.72e4	8.69	-13.1	1.00	bb
4	200526D2_5	50.0	1.25	NO	33.79	1.001	5.01e4	9.79e4	44.4	-11.3	1.02	bb
5	200526D2_6	200	1.26	NO	33.77	1.000	2.53e5	1.01e5	217	8.3	1.25	bb
6	200526D2_7	1500	1.25	NO	33.79	1.000	2.03e6	9.68e4	1810	20.9	1.40	bb

Compound name: 1,2,3,7,8,9-HxCDF Response Factor: 1.11431 RRF SD: 0.13751, Relative SD: 12.3403 Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area) Curve type: RF

100 m	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.17	NO	34.73	1.000	9.51e2	7.27e4	1.17	-6.1	1.05	bb
2	200526D2_3	2.50	1.32	NO	34.74	1.000	2.35e3	7.77e4	2.72	8.7	1.21	bb
3	200526D2_4	10.0	1.26	NO	34.74	1.001	8.16e3	8.28e4	8.84	-11.6	0.985	bb
4	200526D2_5	50.0	1.27	NO	34.74	1.000	4.08e4	8.50e4	43.0	-14.0	0.958	bb
5	200526D2_6	200	1.30	NO	34.74	1.000	2.06e5	8.72e4	213	6.3	1.18	bb
6	200526D2_7	1500	1.26	NO	34.75	1.001	1.69e6	8.66e4	1750	16.7	1.30	bb

Compound name: 1,2,3,4,6,7,8-HpCDF Response Factor: 1.15744 RRF SD: 0.161839, Relative SD: 13.9825 Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area) Curve type: RF

100	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.02	NO	36.59	1.000	8.87e2	6.85e4	1.12	-10.5	1.04	bb
2	200526D2_3	2.50	1.00	NO	36.61	1.001	2.17e3	6.95e4	2.70	8.2	1.25	bb

Page 6 of 16

Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_	CRV.qld
----------	---------------------------------------	---------

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 1,2,3,4,6,7,8-HpCDF

A STREET	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	10.0	1.03	NO	36.59	1.000	7.62e3	7.52e4	8.76	-12.4	1.01	bb
4	200526D2_5	50.0	1.03	NO	36.61	1.001	3.96e4	7.76e4	44.2	-11.7	1.02	bb
5	200526D2_6	200	1.04	NO	36.61	1.000	1.97e5	8.15e4	209	4.3	1.21	bb
6	200526D2_7	1500	1.02	NO	36.62	1.001	1.65e6	7.78e4	1830	22.2	1.41	bb

Ccmpound name: 1,2,3,4,7,8,9-HpCDF Response Factor: 1.34996 RRF SD: 0.206408, Relative SD: 15.2899 Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	0.99	NO	38.34	1.001	6.79e2	4.95e4	1.02	-18.7	1.10	bb
2	200526D2_3	2.50	1.07	NO	38.34	1.000	1.93e3	5.07e4	2.81	12.5	1.52	bb
3	200526D2_4	10.0	0.93	NO	38.34	1.000	6.48e3	5.43e4	8.84	-11.6	1.19	bb
4	200526D2_5	50.0	1.02	NO	38.34	1.001	3.49e4	5.65e4	45.8	-8.4	1.24	bb
5	200526D2_6	200	1.03	NO	38.34	1.000	1.72e5	6.06e4	211	5.4	1.42	bb
6	200526D2_7	1500	1.02	NO	38.34	1.000	1.48e6	6.04e4	1810	20.7	1.63	bb

Compound name: OCDF Response Factor: 0.94897

Response Factor: 0.94897 RRF SD: 0.11777, Relative SD: 12.4103 Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area) Curve type: RF

1000	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	2.50	0.88	NO	41.31	1.000	1.33e3	1.17e5	2.39	-4.4	0.907	bb
2	200526D2_3	5.00	0.90	NO	41.33	1.001	3.26e3	1.25e5	5.47	9.5	1.04	bb
3	200526D2_4	20.0	0.86	NO	41.32	1.001	1.08e4	1.37e5	16.6	-17.0	0.788	bb
4	200526D2_5	100	0.94	NO	41.31	1.000	5.99e4	1.39e5	90.9	-9.1	0.862	bđ
5	200526D2_6	400	0.90	NO	41.32	1.000	3.09e5	1.55e5	419	4.7	0.994	bb
6	200526D2_7	3000	0.89	NO	41.33	1.000	2.67e6	1.61e5	3490	16.3	1.10	bb

Dataset: L	J:\VG7.PRO\Results\200526D2\200526D2	CRV.gld
------------	--------------------------------------	---------

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 13C-2,3,7,8-TCDD Response Factor: 1.25927 RRF SD: 0.0242426, Relative SD: 1.92513 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area) Curve type: RF

8-65	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.80	NO	26.14	1.022	1.15e5	9.16e4	99.4	-0.6	1.25	bb
2	200526D2_3	100	0.81	NO	26.16	1.021	1.13e5	8.84e4	101	1.2	1.27	bb
3	200526D2_4	100	0.79	NO	26.16	1.021	1.21e5	9.44e4	102	1.5	1.28	bb
4	200526D2_5	100	0.78	NO	26.16	1.021	1.15e5	9.24e4	98.8	-1.2	1.24	bb
5	200526D2_6	100	0.78	NO	26.17	1.022	1.22e5	9.49e4	102	2.1	1.29	bb
6	200526D2_7	100	0.78	NO	26.17	1.022	1.02e5	8.37e4	97.1	-2.9	1.22	bb

Compound name: 13C-1,2,3,7,8-PeCDD Response Factor: 0.921299 RRF SD: 0.0229711, Relative SD: 2.49334 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.63	NO	30.61	1.196	8.06e4	9.16e4	95.5	-4.5	0.880	bb
2	200526D2_3	100	0.62	NO	30.61	1.195	8.18e4	8.84e4	100	0.4	0.925	bb
3	200526D2_4	100	0.61	NO	30.61	1.195	8.84e4	9.44e4	102	1.7	0.937	bb
4	200526D2_5	100	0.63	NO	30.61	1.195	8.41e4	9.24e4	98.8	-1.2	0.910	bb
5	200526D2_6	100	0.62	NO	30.61	1.195	8.91e4	9.49e4	102	1.8	0.938	bb
6	200526D2_7	100	0.62	NO	30.63	1.196	7.85e4	8.37e4	102	1.8	0.938	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD Response Factor: 0.707189 RRF SD: 0.0212274, Relative SD: 3.00166 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.37	NO	33.93	1.014	6.23e4	8.64e4	102	1.9	0.721	bd
2	200526D2_3	100	1.35	NO	33.94	1.014	6.18e4	8.85e4	98.8	-1.2	0.699	bđ

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	100	1.30	NO	33.94	1.015	6.66e4	9.66e4	97.5	-2.5	0.689	bd
4	200526D2_5	100	1.33	NO	33.94	1.014	6.49e4	9.47e4	96.9	-3.1	0.685	bd
5	200526D2_6	100	1.27	NO	33.94	1.014	7.00e4	9.90e4	100	0.0	0.707	bd
6	200526D2_7	100	1.32	NO	33.95	1.014	6.66e4	8.98e4	105	4.9	0.742	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD Response Factor: 0.828565 RRF SD: 0.0188377, Relative SD: 2.27353 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

Constant.	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.30	NO	34.04	1.018	7.10e4	8.64e4	99.2	-0.8	0.822	db
2	200526D2_3	100	1.29	NO	34.05	1.018	7.22e4	8.85e4	98.4	-1.6	0.816	db
3	200526D2_4	100 .	1.32	NO	34.04	1.018	7.92e4	9.66e4	98.9	-1.1	0.820	db
4	200526D2_5	100	1.35	NO	34.04	1.017	7.68e4	9.47e4	97.9	-2.1	0.812	db
5	200526D2_6	100	1.35	NO	34.05	1.018	8.35e4	9.90e4	102	1.8	0.843	db
6	200526D2_7	100	1.33	NO	34.06	1.018	7.72e4	8.98e4	104	3.8	0.860	db

Compound name: 13C-1,2,3,7,8,9-HxCDD Response Factor: 0.807923 RRF SD: 0.0238515, Relative SD: 2.95219

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.27	NO	34.33	1.027	6.94e4	8.64e4	99.5	-0.5	0.804	bb
2	200526D2_3	100	1.30	NO	34.34	1.027	7.14e4	8.85e4	99.8	-0.2	0.806	bb
3	200526D2_4	100	1.32	NO	34.34	1.027	7.54e4	9.66e4	96.6	-3.4	0.781	bb
4	200526D2_5	100	1.30	NO	34.34	1.027	7.47e4	9.47e4	97.7	-2.3	0.790	bd
5	200526D2_6	100	1.33	NO	34.34	1.027	8.10e4	9.90e4	101	1.4	0.819	bd
6	200526D2_7	100	1.28	NO	34.36	1.027	7.61e4	8.98e4	105	5.0	0.848	bb

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:Wednesday, May 27, 2020 11:53:39 Pacific Daylight TimePrinted:Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,7,8-HpCDD Response Factor: 0.661788 RRF SD: 0.0338299, Relative SD: 5.11189 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

-	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.03	NO	37.78	1.130	5.48e4	8.64e4	95.8	-4.2	0.634	bb
2	200526D2_3	100	1.07	NO	37.79	1.130	5.77e4	8.85e4	98.5	-1.5	0.652	bd
3	200526D2_4	100	1.09	NO	37.78	1.130	5.98e4	9.66e4	93.5	-6.5	0.619	bd
4	200526D2_5	100	1.05	NO	37.78	1.129	6.34e4	9.47e4	101	1.2	0.669	bd
5	200526D2_6	100	1.08	NO	37.78	1.129	6.79e4	9.90e4	104	3.7	0.687	bd
6	200526D2_7	100	1.02	NO	37.79	1.129	6.37e4	8.98e4	107	7.3	0.710	bb

Compound name: 13C-OCDD Response Factor: 0.608407 RRF SD: 0.049423, Relative SD: 8.12335 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	200	0.90	NO	41.07	1.228	1.01e5	8.64e4	192	-4.0	0.584	bd
2	200526D2_3	200	0.91	NO	41.08	1.228	1.05e5	8.85e4	194	-2.8	0.591	bd
3	200526D2_4	200	0.90	NO	41.08	1.228	1.09e5	9.66e4	186	-6.9	0.567	bb
4	200526D2_5	200	0.91	NO	41.08	1.228	1.13e5	9.47e4	196	-2.2	0.595	bb
5	200526D2_6	200	0.88	NO	41.08	1.228	1.20e5	9.90e4	200	-0.1	0.608	bb
6	200526D2_7	200	0.90	NO	41.10	1.228	1.27e5	8.98e4	232	15.9	0.705	bb

Compound name: 13C-2,3,7,8-TCDF Response Factor: 1.06769 RRF SD: 0.0327362, Relative SD: 3.06607 Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area) Curve type: RF

1	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.81	NO	25.38	0.992	1.74e5	1.63e5	99.9	-0.1	1.07	bb
2	200526D2_3	100	0.80	NO	25.39	0.992	1.69e5	1.56e5	102	1.7	1.09	bb

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 13C-2,3,7,8-TCDF

Same and	Name	Std. Conc	RA	ın/y	RT	RRT	Resp	IS Resp	Conc.	%Dey	RRF	X = dropped
3	200526D2_4	100	0.77	NO	25.39	0.991	1.83e5	1.74e5	98.6	-1.4	1.05	bb
4	200526D2_5	100	0.82	NO	25.39	0.992	1.83e5	1.66e5	103	3.3	1.10	bd
5	200526D2_6	100	0.79	NO	25.39	0.992	1.93e5	1.78e5	102	1.7	1.09	bb
6	200526D2_7	100	0.79	NO	25.39	0.992	1.67e5	1.65e5	94.7	-5.3	1.01	bb

Compound name: 13C-1,2,3,7,8-PeCDF Response Factor: 0.825913 RRF SD: 0.0132817, Relative SD: 1.60813 Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area) Curve type: RF

174	Name	Std. Conc	RA	n/y	TSI	IRRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.69	NO	29.44	1.150	1.35e5	1.63e5	101	0.5	0.830	bb
2	200526D2_3	100	1.61	NO	29.44	1.150	1.31e5	1.56e5	101	1.4	0.837	bb
3	200526D2_4	100	1.66	NO	29.44	1.149	1.42e5	1.74e5	98.7	-1.3	0.815	bb
4	200526D2_5	100	1.67	NO	29.44	1.150	1.39e5	1.66e5	102	1.7	0.840	bb
5	200526D2_6	100	1.78	NO	29.46	1.151	1.47e5	1.78e5	100	0.2	0.828	MM
6	200526D2_7	100	1.61	NO	29.46	1.151	1.33e5	1.65e5	97.5	-2.5	0.805	bb

Compound name: 13C-2,3,4,7,8-PeCDF Response Factor: 0.795997 RRF SD: 0.0108298, Relative SD: 1.36054 Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area) Curve type: RF

-	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.71	NO	30.33	1.185	1.28e5	1.63e5	98.9	-1.1	0.787	bb
2	200526D2_3	100	1.61	NO	30.33	1.184	1.24e5	1.56e5	99.8	-0.2	0.795	bb
3	200526D2_4	100	1.68	NO	30.33	1.184	1.40e5	1.74e5	101	1.1	0.804	bb
4	200526D2_5	100	1.69	NO	30.33	1.184	1.33e5	1.66e5	101	0.6	0.801	bb
5	200526D2_6	100	1.64	NO	30.33	1.184	1.44e5	1.78e5	102	1.6	0.809	bb
6	200526D2_7	100	1.68	NO	30.35	1.185	1.29e5	1.65e5	98.0	-2.0	0.780	bb

Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld
Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8-HxCDF Response Factor: 1.07518 RRF SD: 0.0306015, Relative SD: 2.84619 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.50	NO	33.03	0.988	9.20e4	8.64e4	99.1	-0.9	1.07	bđ
2	200526D2_3	100	0.49	NO	33.04	0.988	9.26e4	8.85e4	97.3	-2.7	1.05	bd
3	200526D2_4	100	0.50	NO	33.04	0.988	1.02e5	9.66e4	98.2	-1.8	1.06	bd
4	200526D2_5	100	0.48	NO	33.04	0.988	1.00e5	9.47e4	98.3	-1.7	1.06	bd
5	200526D2_6	100	0.50	NO	33.04	0.988	1.09e5	9.90e4	102	2.5	1.10	bd
6	200526D2_7	100	0.51	NO	33.05	0.988	1.01e5	8.98 e 4	105	4.5	1.12	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF Response Factor: 1.12454

RRF SD: 0.0257818, Relative SD: 2.29265 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

111.24	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.50	NO	33.16	0.991	9.80e4	8.64e4	101	0.9	1.14	db
2	200526D2_3	100	0.49	NO	33.17	0.991	9.78e4	8.85e4	98.2	-1.8	1.10	db
3	200526D2_4	100	0.49	NO	33.16	0.991	1.06e5	9.66e4	97.6	-2.4	1.10	db
4	200526D2_5	100	0.50	NO	33.16	0.991	1.04e5	9.47e4	98.1	-1.9	1.10	db
5	200526D2_6	100	0.50	NO	33.17	0.991	1.14e5	9.90e4	102	2.2	1.15	db
6	200526D2_7	100	0.50	NO	33.17	0.991	1.04e5	8.98e4	103	2.9	1.16	db

.

Compound name: 13C-2,3,4,6,7,8-HxCDF Response Factor: 1.02476

Response Factor: 1.02476 RRF SD: 0.0294028, Relative SD: 2.86925 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

Tomas in	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.50	NO	33.75	1.009	8.65e4	8.64e4	97.7	-2.3	1.00	bb
2	200526D2_3	100	0.50	NO	33.76	1.009	8.89e4	8.85e4	98.0	-2.0	1.00	bb

Quantify Compound Summary Report MassLynx 4.1 Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 13C-2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	100	0.50	NO	33.76	1.010	9.72e4	9.66e4	98.2	-1.8	1.01	bb
4	200526D2_5	100	0.51	NO	33.76	1.009	9.79e4	9.47e4	101	0.9	1.03	bb
5	200526D2_6	100	0.51	NO	33.76	1.009	1.01e5	9.90e4	99.9	-0.1	1.02	bb
6	200526D2_7	100	0.49	NO	33.77	1.009	9.68e4	8.98e4	105	5.3	1.08	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF Response Factor: 0.886846 RRF SD: 0.0429436, Relative SD: 4.84229 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

1	Name	Std. Conc	RA	n/y	RT	RRT	Resp)	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.50	NO	34.72	1.038	7.27e4	8.64e4	95.0	-5.0	0.842	bđ
2	200526D2_3	100	0.48	NO	34.73	1.038	7.77e4	8.85e4	98.9	-1.1	0.877	bb
3	200526D2_4	100	0.50	NO	34.72	1.038	8.28e4	9.66e4	96.7	-3.3	0.857	bb
4	200526D2_5	100	0.51	NO	34.73	1.038	8.50e4	9.47e4	101	1.3	0.898	bb
5	200526D2_6	100	0.49	NO	34.73	1.038	8.72e4	9.90e4	99.3	-0.7	0.881	bb
6	200526D2_7	100	0.49	NO	34.73	1.038	8.66e4	8.98e4	109	8.8	0.965	bb

Compound name: 13C-1,2,3,4,6,7,8-HpCDF Response Factor: 0.810858

RRF SD: 0.0328072, Relative SD: 4.04598 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

120 2	Narne	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = drop ped
1	200526D2_2	100	0.46	NO	36.58	1.094	6.85e4	8.64e4	97.8	-2.2	0.793	bd
2	200526D2_3	100	0.43	NO	36.58	1.093	6.95e4	8.85e4	96.8	-3.2	0.785	bb
3	200526D2_4	100	0.42	NO	36.58	1.094	7.52e4	9.66e4	95.9	-4.1	0.778	bb
4	200526D2_5	100	0.43	NO	36.58	1.093	7.76e4	9.47e4	101	1.1	0.819	bb
5	200526D2_6	100	0.44	NO	36.59	1.094	8.15e4	9.90e4	102	1.5	0.823	bb
6	200526D2_7	100	0.44	NO	36.59	1.093	7.78e4	8.98e4	107	6.8	0.866	bb

Quantify Compound Summary Report MassLynx 4.1 Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8,9-HpCDF Response Factor: 0.598269 RRF SD: 0.0407134, Relative SD: 6.8052 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

The Real Property lies	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.44	NO	38.32	1.146	4.95e4	8.64e4	95.8	-4.2	0.573	bb
2	200526D2_3	100	0.41	NO	38.33	1.146	5.07e4	8.85e4	95.8	-4.2	0.573	bb
3	200526D2_4	100	0.44	NO	38.33	1.146	5.43 e 4	9.66 e 4	94.0	-6.0	0.562	bb
4	200526D2_5	100	0.43	NO	38.32	1.145	5.65e4	9.47e4	99.7	-0.3	0.596	bb
5	200526D2_6	100	0.41	NO	38.33	1.146	6.06e4	9.90e4	102	2.3	0.612	bb
6	200526D2_7	100	0.44	NO	38.34	1.146	6.04e4	8.98e4	112	12.4	0.673	bb

Compound name: 13C-OCDF Response Factor: 0.752175 RRF SD: 0.0804491, Relative SD: 10.6955 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

The local division in which the	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	200	0.92	NO	41.30	1.235	1.17e5	8.64e4	180	-10.0	0.677	bb
2	200526D2_3	200	0.91	NO	41.31	1.235	1.25e5	8.85e4	188	-5.9	0.708	bd
3	200526D2_4	200	0.88	NO	41.30	1.235	1.37e5	9.66e4	189	-5.6	0.710	bb
4	200526D2_5	200	0.89	NO	41.31	1.235	1.39e5	9.47e4	195	-2.4	0.734	bb
5	200526D2_6	200	0.88	NO	41.31	1.235	1.55e5	9.90e4	209	4.3	0.784	bb
6	200526D2_7	200	0.88	NO	41.32	1.235	1.61e5	8.98e4	239	19.6	0.899	bb

Compound name: 37CI-2,3,7,8-TCDD Response Factor: 1.24297 RRF SD: 0.0962716, Relative SD: 7.74527 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area) Curve type: RF

1	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	0.250			26.16	1.022	2.84e2	9.16e4	0.249	-0.3	1.24	bb
2	200526D2_3	0.500			26.17	1.022	5.32e2	8.84e4	0.484	-3.2	1.20	bb

Page 14 of 16

Quantify Compound Summary Report MassLynx 4.1 Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 37CI-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	2.00			26.19	1.022	2.19e3	9.44e4	1.87	-6.7	1.16	bb
4	200526D2_5	10.0			26.19	1.023	1.06e4	9.24e4	9.23	-7.7	1.15	bb
5	200526D2_6	40.0			26.19	1.023	4.98e4	9.49e4	42.2	5.5	1.31	bd
6	200526D2_7	200			26.19	1.023	2.34e5	8.37e4	225	12.5	1.40	bb

Compound name: 13C-1,2,3,4-TCDD Response Factor: 1 RRF SD: 0, Relative SD: 0 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area) Curve type: RF

The second	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.78	NO	25.59	1.000	9.16e4	9.16e4	100	0.0	1.00	bb
2	200526D2_3	100	0.80	NO	25.61	1.000	8.84e4	8.84e4	100	0.0	1.00	bb
3	200526D2_4	100	0.82	NO	25.62	1.000	9.44e4	9.44e4	100	0.0	1.00	bb
4	200526D2_5	100	0.78	NO	25.61	1.000	9.24e4	9.24e4	100	0.0	1.00	bb
5	200526D2_6	100	0.79	NO	25.61	1.000	9.49e4	9.49e4	100	0.0	1.00	bb
6	200526D2_7	100	0.81	NO	25.61	1.000	8.37e4	8.37e4	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF Response Factor: 1 RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area) Curve type: RF

and the second	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.80	NO	24.20	1.000	1.63e5	1.63e5	100	0.0	1.00	bd
2	200526D2_3	100	0.81	NO	24.20	1.000	1.56e5	1.56e5	100	0.0	1.00	bb
3	200526D2_4	100	0.77	NO	24.22	1.000	1.74e5	1.74e5	100	0.0	1.00	bb
4	200526D2_5	100	0.81	NO	24.22	1.000	1.66e5	1.66e5	100	0.0	1.00	bb
5	200526D2_6	100	0.78	NO	24.22	1.000	1.78e5	1.78e5	100	0.0	1.00	bb
6	200526D2_7	100	0.79	NO	24.22	1.000	1.65e5	1.65e5	100	0.0	1.00	bb

U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld Dataset:

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,9-HxCDF Response Factor: 1 RRF SD: 0, Relative SD: 0 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

Sec. 1	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.50	NO	33.45	1.000	8.64e4	8.64e4	100	0.0	1.00	bb
2	200526D2_3	100	0.50	NO	33.46	1.000	8.85e4	8.85e4	100	0.0	1.00	bb
3	200526D2_4	100	0.50	NO	33.44	1.000	9.66e4	9.66e4	100	0.0	1.00	bb
4	200526D2_5	100	0.50	NO	33.46	1.000	9.47e4	9.47e4	100	0.0	1.00	bb
5	200526D2_6	100	0.50	NO	33.46	1.000	9.90e4	9.90e4	100	0.0	1.00	bb
6	200526D2_7	100	0.50	NO	33.47	1.000	8.98e4	8.98e4	100	0.0	1.00	bb

Page 16 of 16

Quantify Sample Summary Report Vista Analytical Laboratory		MassLynx 4.1	
Dataset:	U:\VG7.PRO\Results\200	0526D2\200526D2_CRV.qld	
Last Altered: Printed:		20 11:53:39 Pacific Daylight Time 20 11:56:15 Pacific Daylight Time	

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.84e2	0.87	NO	0.986	1.000	26.174	26.16	1.001	1.001	0.25082	100	0.0587	0.251
2	2 1,2,3,7,8-PeCDD	8.84e2	0.63	NO	0.964	1.000	30.630	30.61	1.001	1.000	1.1376	91.0	0.0494	1.14
3	3 1,2,3,4,7,8-HxCDD	7.92e2	1.27	NO	1.16	1.000	33.938	33.95	1.000	1.001	1.0939	87.5	0.126	1.09
4	4 1,2,3,6,7,8-HxCDD	8.39e2	1.12	NO	1.01	1.000	34.038	34.05	1.000	1.000	1.1739	93.9	0.129	1.17
5	5 1,2,3,7,8,9-HxCDD	7.73e2	1.26	NO	1.01	1.000	34.368	34.37	1.001	1.001	1.1033	88.3	0.130	1.10
6	6 1,2,3,4,6,7,8-HpCDD	6.60e2	1.15	NO	0.997	1.000	37.791	37.78	1.000	1.000	1.2084	96.7	0.151	1.21
7	7 OCDD	1.1 3e 3	0.88	NO	1.01	1.000	41.071	41.07	1.000	1.000	2.2052	88.2	0.279	2.21
8	8 2,3,7,8-TCDF	3.10e2	0.88	NO	0.833	1.000	25.403	25.39	1.001	1.001	0.21415	85.7	0.0357	0.214
9	9 1,2,3,7,8-PeCDF	1.40e3	1.49	NO	0.965	1.000	29.462	29.44	1.001	1.000	1.0737	85.9	0.0327	1.07
10	10 2,3,4,7,8-PeCDF	1.52e3	1.77	NO	1.01	1.000	30.357	30.33	1.001	1.000	1.1730	93.8	0.0340	1.17
11	11 1,2,3,4,7,8-HxCDF	1.15e3	1.40	NO	1.09	1.000	33.028	33.04	1.000	1.000	1.1416	91.3	0.0944	1.14
12	12 1,2,3,6,7,8-HxCDF	1.12e3	1.13	NO	1.07	1.000	33.170	33.17	1.000	1.000	1.0716	85.7	0.0977	1.07
13	13 2,3,4,6,7,8-HxCDF	1.11e3	1.33	NO	1.15	1.000	33.786	33.77	1.001	1.001	1.1153	89.2	0.104	1.12
14	14 1,2,3,7,8,9-HxCDF	9.51e2	1.17	NO	1.11	1.000	34.718	34.73	1.000	1.000	1.1738	93.9	0.140	1.17
15	15 1,2,3,4,6,7,8-HpCDF	8.87e2	1.02	NO	1.16	1.000	36.620	36.59	1.001	1.000	1.1182	89.5	0.0807	1.12
16	16 1,2,3,4,7,8,9-HpCDF	6.79e2	0.99	NO	1.35	1.000	38.317	38.34	1.000	1.001	1.0165	81.3	0.0850	1.02
17	17 OCDF	1.33e3	0.88	NO	0.949	1.000	41.302	41.31	1.000	1.000	2.3903	95.6	0.0950	2.39
18	18 13C-2,3,7,8-TCDD	1.15e5	0.80	NO	1.26	1.000	26.257	26.14	1.026	1.022	99.358	99.4	0.221	
19	19 13C-1,2,3,7,8-PeCDD	8.06e4	0.63	NO	0.921	1.000	30.761	30.61	1.202	1.196	95.518	95.5	0.333	
20	20 13C-1,2,3,4,7,8-HxCDD	6.23e4	1.37	NO	0.707	1.000	33.913	33.93	1.014	1.014	101.95	102	0.450	
21	21 13C-1,2,3,6,7,8-HxCDD	7.10e4	1.30	NO	0.829	1.000	34.024	34.04	1.017	1.018	99.157	99.2	0.384	ļ
22	22 13C-1,2,3,7,8,9-HxCDD	6.94e4	1.27	NO	0.808	1.000	34.295	34.33	1.025	1.027	99.532	99.5	0.394	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.48e4	1.03	NO	0.662	1.000	37.760	37.78	1.129	1.130	95.829	95.8	0.569	
24	24 13C-OCDD	1.01e5	0.90	NO	0.608	1.000	40.783	41.07	1.219	1.228	192.09	96.0	0.500	(
25	25 13C-2,3,7,8-TCDF	1.74e5	0.81	NO	1.07	1.000	25.336	25.38	0.990	0.992	99.942	99.9	0.244	1
26	26 13C-1,2,3,7,8-PeCDF	1.35e5	1.69	NO	0.826	1.000	29.576	29.44	1.156	1.150	100.54	101	0.377	
27	27 13C-2,3,4,7,8-PeCDF	1.28e5	1.71	NO	0.796	1.000	30.480	30.33	1.191	1.185	98.865	98.9	0.391	
28	28 13C-1,2,3,4,7,8-HxCDF	9.20e4	0.50	NO	1.08	1.000	33.044	33.03	0.988	0.988	99.129	99.1	0.373	
29	29 13C-1,2,3,6,7,8-HxCDF	9.80e4	0.50	NO	1.12	1.000	33.178	33.16	0.992	0.991	100.94	101	0.357	
30	30 13C-2,3,4,6,7,8-HxCDF	8.65e4	0.50	NO	1.02	1.000	33.750	33.75	1.009	1.009	97.733	97.7	0.391	
31	31 13C-1,2,3,7,8,9-HxCDF	7.27e4	0.50	NO	0.887	1.000	34.649	34.72	1.036	1.038	94.955	95.0	0.452	

Page 2 of 12

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.85e4	0.46	NO	0.811	1.000	36.355	36.58	1.087	1.094	97.849	97.8	0.526	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.95e4	0.44	NO	0.598	1.000	38.362	38.32	1.147	1.146	95.783	95.8	0.714	
34	34 13C-OCDF	1.17e5	0.92	NO	0.752	1.000	40.937	41.30	1.224	1.235	180.07	90.0	0.391	-
35	35 37CI-2,3,7,8-TCDD	2.84e2			1.24	1.000	26.254	26.16	1.026	1.022	0.24914	99.7	0.0830	
36	36 13C-1,2,3,4-TCDD	9.16e4	0.78	NO	1.00	1.000	25.480	25.59	1.000	1.000	100.00	100	0.279	
37	37 13C-1,2,3,4-TCDF	1.63e5	0.80	NO	1.00	1.000	24.020	24.20	1.000	1.000	100.00	100	0.261	
38	38 13C-1,2,3,4,6,9-HxCDF	8.64e4	0.50	NO	1.00	1.000	33.530	33.45	1.000	1.000	100.00	100	0.401	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

1000	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	6.01e2	0.86	NO	0.986	1.000	26.189	26.19	1.001	1.001	0.54033	108	0.0499	0.540
2	2 1,2,3,7,8-PeCDD	2.07e3	0.67	NO	0.964	1.000	30.630	30.63	1.001	1.001	2.6312	105	0.0478	2.63
3	3 1,2,3,4,7,8-HxCDD	1.90e3	1.28	NO	1.16	1.000	33.949	33.94	1.000	1.000	2.6361	105	0.161	2.64
4	4 1,2,3,6,7,8-HxCDD	1.99e3	1.30	NO	1.01	1.000	34.049	34.06	1.000	1.000	2.7300	109	0.152	2.73
5	5 1,2,3,7,8,9-HxCDD	2.00e3	1.15	NO	1.01	1.000	34.379	34.34	1.001	1.000	2.7806	111	0.168	2.78
6	6 1,2,3,4,6,7,8-HpCDD	1.56e3	0.96	NO	0.997	1.000	37.802	37.79	1.000	1.000	2.7143	109	0.130	2.71
7	7 OCDD	2.77e3	0.83	NO	1.01	1.000	41.082	41.09	1.000	1.000	5.2154	104	0.0861	5.22
8	8 2,3,7,8-TCDF	7.87e2	0.67	NO	0.833	1.000	25.418	25.39	1.001	1.000	0.55788	112	0.0358	0.558
9	9 1,2,3,7,8-PeCDF	3.25e3	1.57	NO	0.965	1.000	29.462	29.46	1.001	1.001	2.5832	103	0.0507	2.58
10	10 2,3,4,7,8-PeCDF	3.23e3	1.76	NO	1.01	1.000	30.357	30.35	1.001	1.001	2.5827	103	0.0469	2.58
11.	11 1,2,3,4,7,8-HxCDF	2.67e3	1.30	NO	1.09	1.000	33.039	33.05	1.000	1.000	2.6313	105	0.0562	2.63
12	12 1,2,3,6,7,8-HxCDF	2.72e3	1.24	NO	1.07	1.000	33.181	33.18	1.000	1.000	2.6089	104	0.0564	2.61
13	13 2,3,4,6,7,8-HxCDF	2.72e3	1.26	NO	1.15	1.000	33.797	33.79	1.001	1.001	2.6499	106	0.0619	2.65
14	14 1,2,3,7,8,9-HxCDF	2.35e3	1.32	NO	1.11	1.000	34.729	34.74	1.000	1.000	2.7171	109	0.0781	2.72
15	15 1,2,3,4,6,7,8-HpCDF	2.17e3	1.00	NO	1.16	1.000	36.620	36.61	1.001	1.001	2.7041	108	0.0797	2.70
16	16 1,2,3,4,7,8,9-HpCDF	1.93e3	1.07	NO	1.35	1.000	38.328	38.34	1.000	1.000	2.8124	112	0.0773	2.81
17	17 OCDF	3.26e3	0.90	NO	0.949	1.000	41.313	41.33	1.000	1.001	5.4739	109	0.104	5.47
18	18 13C-2,3,7,8-TCDD	1.13e5	0.81	NO	1.26	1.000	26.273	26.16	1.026	1.021	101.17	101	0.201	
19	19 13C-1,2,3,7,8-PeCDD	8.18e4	0.62	NO	0.921	1.000	30.780	30.61	1.202	1.195	100.44	100	0.159	
20	20 13C-1,2,3,4,7,8-HxCDD	6.18e4	1.35	NO	0.707	1.000	33.924	33.94	1.014	1.014	98.790	98.8	0.352	1
21	21 13C-1,2,3,6,7,8-HxCDD	7.22e4	1.29	NO	0.829	1.000	34.035	34.05	1.017	1.018	98.440	98.4	0.300	ļ
22	22 13C-1,2,3,7,8,9-HxCDD	7.14e4	1.30	NO	0.808	1.000	34.306	34.34	1.025	1.027	99.788	99.8	0.308	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.77 e 4	1.07	NO	0.662	1.000	37.772	37.79	1.129	1.130	98.522	98.5	0.467	
24	24 13C-OCDD	1.05e5	0.91	NO	0.608	1.000	40.796	41.08	1.219	1.228	194.33	97.2	0.364	
25	25 13C-2,3,7,8-TCDF	1.69e5	0.80	NO	1.07	1.000	25.351	25.39	0.990	0.992	101.66	102	0.300	
26	26 13C-1,2,3,7,8-PeCDF	1.31e5	1.61	NO	0.826	1.000	29.594	29.44	1.156	1.150	101.38	101	0.360	ļ
27	27 13C-2,3,4,7,8-PeCDF	1.24e5	1.61	NO	0.796	1.000	30.498	30.33	1.191	1.184	99.821	99.8	0.374	
28	28 13C-1,2,3,4,7,8-HxCDF	9.26e4	0.49	NO	1.08	1.000	33.055	33.04	0.988	0.988	97.298	97.3	0.343	
29	29 13C-1,2,3,6,7,8-HxCDF	9.78e4	0.49	NO	1.12	1.000	33.188	33.17	0.992	0.991	98.242	98.2	0.328	
30	30 13C-2,3,4,6,7,8-HxCDF	8.89e4	0.50	NO	1.02	1.000	33.760	33.76	1.009	1.009	97.998	98.0	0.360	
31	31 13C-1,2,3,7,8,9-HxCDF	7.77e4	0.48	NO	0.887	1.000	34.660	34.73	1.036	1.038	98.922	98.9	0.416	
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.95e4	0.43	NO	0.811	1.000	36.367	36.58	1.087	1.093	96.780	96.8	0.482	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.07e4	0.41	NO	0.598	1.000	38.374	38.33	1.147	1.146	95.807	95.8	0.654	
34	34 13C-OCDF	1.25e5	0.91	NO	0.752	1.000	40.950	41.31	1.224	1.235	188.25	94.1	0.382	

Page 4 of 12

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

- AL	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37CI-2,3,7,8-TCDD	5.32e2			1.24	1.000	26.270	26.17	1.026	1.022	0.48391	96.8	0.0475	
36	36 13C-1,2,3,4-TCDD	8.84e4	0.80	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.253	
37	37 13C-1,2,3,4-TCDF	1.56e5	0.81	NO	1.00	1.000	24.020	24.20	1.000	1.000	100.00	100	0.320	
38	38 13C-1,2,3,4,6,9-HxCDF	8.85e4	0.50	NO	1.00	1.000	33.530	33.46	1.000	1.000	100.00	100	0.369	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

Name: 200526D2_4, Date: 26-May-2020, Time: 22:27:45, ID: ST200526D2-3 1613 CS2 20E0706, Description: 1613 CS2 20E0706

1000	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.98e3	0.78	NO	0.986	1.000	26.189	26.17	1.001	1.001	1.6636	83.2	0.0493	1.66
2	2 1,2,3,7,8-PeCDD	7.46e3	0.61	NO	0.964	1.000	30.630	30.63	1.001	1.001	8.7578	87.6	0.0659	8.76
3	3 1,2,3,4,7,8-HxCDD	6.57e3	1.21	NO	1.16	1.000	33.949	33.95	1.000	1.000	8.4812	84.8	0.118	8.48
4	4 1,2,3,6,7,8-HxCDD	6.99e3	1.22	NO	1.01	1.000	34.037	34.06	1.000	1.001	8.7639	87.6	0.122	8.76
5	5 1,2,3,7,8,9-HxCDD	6.73e3	1.24	NO	1.01	1.000	34.379	34.36	1.001	1.000	8.8445	88.4	0.132	8.84
6	6 1,2,3,4,6,7,8-HpCDD	5.03e3	1.16	NO	0.997	1.000	37.791	37.79	1.000	1.000	8.4399	84.4	0.225	8.44
7	7 OCDD	9.83e3	0.87	NO	1.01	1.000	41.082	41.09	1.000	1.000	17.713	88.6	0.127	17.7
8	8 2,3,7,8-TCDF	2.82e3	0.69	NO	0.833	1.000	25.418	25.42	1.001	1.001	1.8535	92.7	0.0300	1.85
9	9 1,2,3,7,8-PeCDF	1.19e4	1.58	NO	0.965	1.000	29.462	29.46	1.001	1.001	8.6873	86.9	0.0779	8.69
10	10 2,3,4,7,8-PeCDF	1.19e4	1.67	NO	1.01	1.000	30.357	30.35	1.001	1.001	8.4229	84.2	0.0676	8.42
11	11 1,2,3,4,7,8-HxCDF	9.98e3	1.20	NO	1.09	1.000	33.039	33.05	1.000	1.000	8.9279	89.3	0.0853	8.93
12	12 1,2,3,6,7,8-HxCDF	1.01e4	1.28	NO	1.07	1.000	33.170	33.18	1.000	1.001	8.9581	89.6	0.0836	8.96
13	13 2,3,4,6,7,8-HxCDF	9.76e3	1.23	NO	1.15	1.000	33.797	33.77	1.001	1.000	8.6911	86.9	0.0888	8.69
14	14 1,2,3,7,8,9-HxCDF	8.16e3	1.26	NO	1.11	1.000	34.718	34.74	1.000	1.001	8.8409	88.4	0.123	8.84
15	15 1,2,3,4,6,7,8-HpCDF	7.62e3	1.03	NO	1.16	1.000	36.620	36.59	1.001	1.000	8.7616	87.6	0.136	8.76
16	16 1,2,3,4,7,8,9-HpCDF	6.48e3	0.93	NO	1.35	1.000	38.328	38.34	1.000	1.000	8.8433	88.4	0.142	8.84
17	17 OCDF	1.08e4	0.86	NO	0.949	1.000	41.301	41.32	1.000	1.001	16.599	83.0	0.153	16.6
18	18 13C-2,3,7,8-TCDD	1.21e5	0.79	NO	1.26	1.000	26.288	26.16	1.026	1.021	101.54	102	0.218	
19	19 13C-1,2,3,7,8-PeCDD	8.84e4	0.61	NO	0.921	1.000	30.798	30.61	1.202	1.195	101.65	102	0.227	
20	20 13C-1,2,3,4,7,8-HxCDD	6.66e4	1.30	NO	0.707	1.000	33.913	33.94	1.014	1.015	97.491	97.5	0.335	
21	21 13C-1,2,3,6,7,8-HxCDD	7.92e4	1.32	NO	0.829	1.000	34.024	34.04	1.017	1.018	98.922	98.9	0.286	
22	22 13C-1,2,3,7,8,9-HxCDD	7.54e4	1.32	NO	0.808	1.000	34.295	34.34	1.025	1.027	96.615	96.6	0.293	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.98e4	1.09	NO	0.662	1.000	37.759	37.78	1.129	1.130	93.469	93.5	0.495	
24	24 13C-OCDD	1.09e5	0.90	NO	0.608	1.000	40.783	41.08	1.219	1.228	186.24	93.1	0.514	
25	25 13C-2,3,7,8-TCDF	1.83e5	0.77	NO	1.07	1.000	25.366	25.39	0.990	0.991	98.621	98.6	0.249	
26	26 13C-1,2,3,7,8-PeCDF	1.42e5	1.66	NO	0.826	1.000	29.612	29.44	1.156	1.149	98.731	98.7	0.323	
27	27 13C-2,3,4,7,8-PeCDF	1.40e5	1.68	NO	0.796	1.000	30.516	30.33	1.191	1.184	101.06	101	0.335	
28	28 13C-1,2,3,4,7,8-HxCDF	1.02e5	0.50	NO	1.08	1.000	33.044	33.04	0.988	0.988	98.239	98.2	0.344	
29	29 13C-1,2,3,6,7,8-HxCDF	1.06e5	0.49	NO	1.12	1.000	33.177	33.16	0.992	0.991	97.608	97.6	0.329	
30	30 13C-2,3,4,6,7,8-HxCDF	9.72e4	0.50	NO	1.02	1.000	33.749	33.76	1.009	1.010	98.205	98.2	0.361	
31	31 13C-1,2,3,7,8,9-HxCDF	8.28e4	0.50	NO	0.887	1.000	34.649	34.72	1.036	1.038	96.678	96.7	0.417	
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.52e4	0.42	NO	0.811	1.000	36.355	36.58	1.087	1.094	95.939	95.9	0.509	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.43e4	0.44	NO	0.598	1.000	38.361	38.33	1.147	1.146	93.961	94.0	0.690	
34	34 13C-OCDF	1.37e5	0.88	NO	0.752	1.000	40.937	41.30	1.224	1.235	188.78	94.4	0.403	

Page 5 of 12

Page 6 of 12

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

The second	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37CI-2,3,7,8-TCDD	2.19e3			1.24	1.000	26.286	26.19	1.026	1.022	1.8667	93.3	0.0471	
36	36 13C-1,2,3,4-TCDD	9.44e4	0.82	NO	1.00	1.000	25.480	25.62	1.000	1.000	100.00	100	0.275	
37	37 13C-1,2,3,4-TCDF	1.74e5	0.77	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.266	
38	38 13C-1,2,3,4,6,9-HxCDF	9.66e4	0.50	NO	1.00	1.000	33.530	33.44	1.000	1.000	100.00	100	0.370	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

11115	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.00e4	0.82	NO	0.986	1.000	26.189	26.19	1.001	1.001	8.8565	88.6	0.0892	8.86
2	2 1,2,3,7,8-PeCDD	3.66e4	0.62	NO	0.964	1.000	30.630	30.63	1.001	1.001	45.196	90.4	0.155	45.2
3	3 1,2,3,4,7,8-HxCDD	3.52e4	1.26	NO	1.16	1.000	33.949	33.95	1.000	1.000	46.642	93.3	0.250	46.6
4	4 1,2,3,6,7,8-HxCDD	3.48e4	1.29	NO	1.01	1.000	34.038	34.06	1.000	1.001	44.916	89.8	0.257	44.9
5	5 1,2,3,7,8,9-HxCDD	3.36e4	1.26	NO	1.01	1.000	34.379	34.36	1.001	1.000	44.634	89.3	0.279	44.6
6	6 1,2,3,4,6,7,8-HpCDD	2.77e4	1.03	NO	0.997	1.000	37.791	37.79	1.000	1.000	43.896	87.8	0.312	43.9
7.	7 OCDD	5.26e4	0.89	NO	1.01	1.000	41.082	41.09	1.000	1.000	92.170	92.2	0.199	92.2
8	8 2,3,7,8-TCDF	1.34 e 4	0.75	NO	0.833	1.000	25.418	25.41	1.001	1.001	8.7720	87.7	0.0756	8.77
9	9 1,2,3,7,8-PeCDF	6.36e4	1.57	NO	0.965	1.000	29.462	29.46	1.001	1.001	47.409	94.8	0.106	47.4
10	10 2,3,4,7,8-PeCDF	6.33e4	1.58	NO	1.01	1.000	30.357	30.35	1.001	1.001	47.245	94.5	0.0986	47.2
11	11 1,2,3,4,7,8-HxCDF	4.90e4	1.27	NO	1.09	1.000	33.03 9	33.05	1.000	1.000	44.739	89.5	0.206	44.7
12	12 1,2,3,6,7,8-HxCDF	5.13e4	1.24	NO	1.07	1.000	33.170	33.18	1.000	1.001	46.102	92.2	0.191	46.1
13	13 2,3,4,6,7,8-HxCDF	5.01e4	1.25	NO	1.15	1.000	33.797	33.79	1.001	1.001	44.354	88.7	0.198	44.4
14	14 1,2,3,7,8,9-HxCDF	4.08e4	1.27	NO	1.11	1.000	34.729	34.74	1.000	1.000	43.006	86.0	0.277	43.0
15	15 1,2,3,4,6,7,8-HpCDF	3.96e4	1.03	NO	1.16	1.000	36.620	36.61	1.001	1.001	44.155	88.3	0.249	44.2
16	16 1,2,3,4,7,8,9-HpCDF	3.49e4	1.02	NO	1.35	1.000	38.317	38.34	1.000	1.001	45.801	91.6	0.259	45.8
17	17 OCDF	5.99e4	0.94	NO	0.949	1.000	41.313	41.31	1.000	1.000	90.876	90.9	0.220	90.9
18	18 13C-2,3,7,8-TCDD	1.15e5	0.78	NO	1.26	1.000	26.273	26.16	1.026	1.021	98.768	98.8	0.190	1
19	19 13C-1,2,3,7,8-PeCDD	8.41e4	0.63	NO	0.921	1.000	30.780	30.61	1.202	1.195	98.770	98.8	0.204	
20	20 13C-1,2,3,4,7,8-HxCDD	6.49e4	1.33	NO	0.707	1.000	33.924	33.94	1.014	1.014	96.881	96.9	0.410	
21	21 13C-1,2,3,6,7,8-HxCDD	7.68e4	1.35	NO	0.829	1.000	34.035	34.04	1.017	1.017	97. 9 44	97.9	0.350	
22	22 13C-1,2,3,7,8,9-HxCDD	7.47e4	1.30	NO	0.808	1.000	34.306	34.34	1.025	1.027	97.724	97.7	0.359	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.34e4	1.05	NO	0.662	1.000	37.772	37.78	1.129	1.129	101.15	101	0.442	ļ
24	24 13C-OCDD	1.13e5	0.91	NO	0.608	1.000	40.796	41.08	1.219	1.228	195.63	97.8	0.384	
25	25 13C-2,3,7,8-TCDF	1.83e5	0.82	NO	1.07	1.000	25.351	25.39	0.990	0.992	103.34	103	0.227	1
26	26 13C-1,2,3,7,8-PeCDF	1.39e5	1.67	NO	0.826	1.000	29.594	29.44	1.156	1.150	101.66	102	0.336	1
27	27 13C-2,3,4,7,8-PeCDF	1.33e5	1.69	NO	0.796	1.000	30.498	30.33	1.191	1.184	100.59	101	0.348	
28	28 13C-1,2,3,4,7,8-HxCDF	1.00e5	0.48	NO	1.08	1.000	33.055	33.04	0.988	0.988	98.338	98.3	0.415	
29	29 13C-1,2,3,6,7,8-HxCDF	1.04e5	0.50	NO	1.12	1.000	33.188	33.16	0.992	0.991	98.132	98.1	0.397	
30	30 13C-2,3,4,6,7,8-HxCDF	9.79e4	0.51	NO	1.02	1.000	33.760	33.76	1.009	1.009	100.89	101	0.436	
31	31 13C-1,2,3,7,8,9-HxCDF	8.50e4	0.51	NO	0.887	1.000	34.660	34.73	1.036	1.038	101.29	101	0.503	
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.76e4	0.43	NO	0.811	1.000	36.367	36.58	1.087	1.093	101.06	101	0.441	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.65e4	0.43	NO	0.598	1.000	38.374	3 8.32	1.147	1.145	99.690	99.7	0.597	1
34	34 13C-OCDF	1.39e5	0.89	NO	0.752	1.000	40.950	41.31	1.224	1.235	195.21	97.6	0.341	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

1.1	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37CI-2,3,7,8-TCDD	1.06e4			1.24	1.000	26.270	26.19	1.026	1.023	9.2283	92.3	0.0610	1.
36	36 13C-1,2,3,4-TCDD	9.24e4	0.78	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.240	1.1
37	37 13C-1,2,3,4-TCDF	1.66e5	0.81	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.242	
38	38 13C-1,2,3,4,6,9-HxCDF	9.47e4	0.50	NO	1.00	1.000	33.530	33.46	1.000	1.000	100.00	100	0.446	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	4.74e4	0.80	NO	0.986	1.000	26.204	26.19	1.001	1.001	39.352	98.4	0.0679	39.4
2	2 1,2,3,7,8-PeCDD	1.76e5	0.62	NO	0.964	1.000	30.630	30.63	1.001	1.001	205.12	103	0.0946	205
3	3 1,2,3,4,7,8-HxCDD	1.72e5	1.25	NO	1.16	1.000	33.949	33.95	1.000	1.000	211.56	106	0.243	212
4	4 1,2,3,6,7,8-HxCDD	1.70e5	1.25	NO	1.01	1.000	34.049	34.06	1.000	1.000	202.09	101	0.251	202
5	5 1,2,3,7,8,9-HxCDD	1.67e5	1.26	NO	1.01	1.000	34.379	34.36	1.001	1.000	204.43	102	0.270	204
6	6 1,2,3,4,6,7,8-HpCDD	1.37e5	1.01	NO	0.997	1.000	37.791	37.79	1.000	1.000	202.23	101	0.407	202
7	7 OCDD	2.65e5	0.87	NO	1.01	1.000	41.082	41.10	1.000	1.001	434.38	109	0.379	434
8	8 2,3,7,8-TCDF	6.45e4	0.75	NO	0.833	1.000	25.418	25.42	1.001	1.001	40.000	100	0.0596	40.0
9	9 1,2,3,7,8-PeCDF	3.04e5	1.59	NO	0.965	1.000	29.482	29.46	1.001	1.000	213.96	107	0.164	214
10	10 2,3,4,7,8-PeCDF	3.00e5	1.59	NO	1.01	1.000	30.357	30.35	1.001	1.001	206.52	103	0.150	207
11	11 1,2,3,4,7,8-HxCDF	2.51e5	1.26	NO	1.09	1.000	33.039	33.05	1.000	1.000	210.60	105	0.248	211
12	12 1,2,3,6,7,8-HxCDF	2.59e5	1.26	NO	1.07	1.000	33.181	33.18	1.000	1.000	213.97	107	0.259	214
13	13 2,3,4,6,7,8-HxCDF	2.53e5	1.26	NO	1.15	1.000	33.797	33.77	1.001	1.000	216.56	108	0.270	217
14	14 1,2,3,7,8,9-HxCDF	2.06e5	1.30	NO	1.11	1.000	34.729	34.74	1.000	1.000	212.53	106	0.338	213
15	15 1,2,3,4,6,7,8-HpCDF	1.97e5	1.04	NO	1.16	1.000	36.631	36.61	1.001	1.000	208.57	104	0.433	209
16	16 1,2,3,4,7,8,9-HpCDF	1.72e5	1.03	NO	1.35	1.000	38.328	38.34	1.000	1.000	210.80	105	0.416	211
17	17 OCDF	3.09e5	0.90	NO	0.949	1.000	41.313	41.32	1.000	1.000	418.90	105	0.339	419
18	18 13C-2,3,7,8-TCDD	1.22e5	0.78	NO	1.26	1.000	26.273	26.17	1.026	1.022	102.09	102	0.179	
19	19 13C-1,2,3,7,8-PeCDD	8.91e4	0.62	NO	0.921	1.000	30.780	30.61	1.202	1.195	101.83	102	0.232	
20	20 13C-1,2,3,4,7,8-HxCDD	7.00e4	1.27	NO	0.707	1.000	33.924	33.94	1.014	1.014	100.01	100	0.380	
21	21 13C-1,2,3,6,7,8-HxCDD	8.35e4	1.35	NO	0.829	1.000	34.035	34.05	1.017	1.018	101.77	102	0.324	
22	22 13C-1,2,3,7,8,9-HxCDD	8.10e4	1.33	NO	0.808	1.000	34.306	34.34	1.025	1.027	101.36	101	0.332	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.79 e 4	1.08	NO	0.662	1.000	37.772	37.78	1.129	1.129	103.74	104	0.514	
24	24 13C-OCDD	1.20e5	0.88	NO	0.608	1.000	40.796	41.08	1.219	1.228	199.83	99.9	0.503	
25	25 13C-2,3,7,8-TCDF	1.93e5	0.79	NO	1.07	1.000	25.351	25.39	0.990	0.992	101.75	102	0.262	
26	26 13C-1,2,3,7,8-PeCDF	1.47e5	1.78	NO	0.826	1.000	29.594	29.46	1.156	1.151	100.19	100	0.353	
27	27 13C-2,3,4,7,8-PeCDF	1.44e5	1.64	NO	0.796	1.000	30.498	30.33	1.191	1.184	101.62	102	0.366	
28	28 13C-1,2,3,4,7,8-HxCDF	1.09e5	0.50	NO	1.08	1.000	33.055	33.04	0.988	0.988	102.47	102	0.407	
29	29 13C-1,2,3,6,7,8-HxCDF	1.14e5	0.50	NO	1.12	1.000	33.188	33.17	0.992	0.991	102.21	102	0.389	(
30	30 13C-2,3,4,6,7,8-HxCDF	1.01e5	0.51	NO	1.02	1.000	33.760	33.76	1.009	1.009	99.881	99.9	0.427	
31	31 13C-1,2,3,7,8,9-HxCDF	8.72e4	0.49	NO	0.887	1.000	34.660	34.73	1.036	1.038	99.350	99.3	0.493	
32	32 13C-1,2,3,4,6,7,8-HpCDF	8.15e4	0.44	NO	0.811	1.000	36.367	36.59	1.087	1.094	101.53	102	0.467	
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.06e4	0.41	NO	0.598	1.000	38.374	38.33	1.147	1.146	102.34	102	0.633	ľ
34	34 13C-OCDF	1.55e5	0.88	NO	0.752	1.000	40.950	41.31	1.224	1.235	208.58	104	0.384	

Page 10 of 12

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

C.C.	# Name	Resp	RA	n/y	RRF	wt/voi	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37CI-2,3,7,8-TCDD	4.98e4			1.24	1.000	26.270	26.19	1.026	1.023	42.189	105	0.0815	
36	36 13C-1,2,3,4-TCDD	9.49e4	0.79	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.225	
37	37 13C-1,2,3,4-TCDF	1.78e5	0.78	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.280	
38	38 13C-1,2,3,4,6,9-HxCDF	9.90e4	0.50	NO	1.00	1.000	33.530	33.46	1.000	1.000	100.00	100	0.437	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

in the second second														
1-27-	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	3.68e5	0.80	NO	0.986	1.000	26.204	26.19	1.001	1.001	364.45	121	0.101	364
2 3	2 1,2,3,7,8-PeCDD	1.40e6	0.63	NO	0.964	1.000	30.650	30.63	1.001	1.000	1848.3	123	0.267	1850
3	3 1,2,3,4,7,8-HxCDD	1.43e6	1.25	NO	1.16	1.000	33.960	33.96	1.000	1.000	1847.5	123	0.492	1850
4	4 1,2,3,6,7,8-HxCDD	1.38e6	1.23	NO	1.01	1.000	34.060	34.07	1.000	1.000	1775.5	118	0.510	1780
5	5 1,2,3,7,8,9-HxCDD	1.39 e 6	1.24	NO	1.01	1.000	34.390	34.37	1.001	1.000	1808.8	121	0.520	1810
6	6 1,2,3,4,6,7,8-HpCDD	1.16e6	1.03	NO	0.997	1.000	37.802	37.80	1.000	1.000	1821.7	121	0.929	1820
7	7 OCDD	2.27e6	0.89	NO	1.01	1.000	41.104	41.12	1.000	1.000	3544.5	118	0.574	3540
8	8 2,3,7,8-TCDF	5.10e5	0.77	NO	0.833	1.000	25.418	25.42	1.001	1.001	367.11	122	0.101	367
9	9 1,2,3,7,8-PeCDF	2.35e6	1.58	NO	0.965	1.000	29.482	29.48	1.001	1.001	1831.5	122	0.215	1830
10	10 2,3,4,7,8-PeCDF	2.35e6	1.57	NO	1.01	1.000	30.377	30.35	1.001	1.000	1813.0	121	0.210	1810
11	11 1,2,3,4,7,8-HxCDF	1.98e6	1.25	NO	1.09	1.000	33.050	33.06	1.000	1.000	1790.5	119	0.579	1790
12	12 1,2,3,6,7,8-HxCDF	2.01e6	1.25	NO	1.07	1.000	33.181	33.19	1.000	1.001	1817.2	121	0.586	1820
13	13 2,3,4,6,7,8-HxCDF	2.03e6	1.25	NO	1.15	1.000	33.808	33.79	1.001	1.000	1813.2	121	0.622	1810
14	14 1,2,3,7,8,9-HxCDF	1.69e6	1.26	NO	1.11	1.000	34.729	34.75	1.000	1.001	1750.8	117	0.759	1750
15	15 1,2,3,4,6,7,8-HpCDF	1.65 e 6	1.02	NO	1.16	1.000	36.631	36.62	1.001	1.001	1832.5	122	0.950	1830
16	16 1,2,3,4,7,8,9-HpCDF	1.48e6	1.02	NO	1.35	1.000	38.339	38.34	1.000	1.000	1811.2	121	0.920	1810
17	17 OCDF	2.67e6	0.89	NO	0.949	1.000	41.324	41.33	1.000	1.000	3489.5	116	0.436	3490
18	18 13C-2,3,7,8-TCDD	1.02e5	0.78	NO	1.26	1.000	26.273	26.17	1.026	1.022	97.082	97.1	0.235	
19	19 13C-1,2,3,7,8-PeCDD	7.85e4	0.62	NO	0.921	1.000	30.780	30.63	1.202	1.196	101.79	102	0.196	
20	20 13C-1,2,3,4,7,8-HxCDD	6.66e4	1.32	NO	0.707	1.000	33.936	33.95	1.014	1.014	104.87	105	0.369	
21	21 13C-1,2,3,6,7,8-HxCDD	7.72e4	1.33	NO	0.829	1.000	34.046	34.06	1.017	1.018	103.76	104	0.315	
22	22 13C-1,2,3,7,8,9-HxCDD	7.61e4	1.28	NO	0.808	1.000	34.317	34.36	1.025	1.027	104.98	105	0.323	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.37e4	1.02	NO	0.662	1.000	37.784	37.79	1.129	1.129	107.29	107	0.467	
24	24 13C-OCDD	1.27e5	0.90	NO	0.608	1.000	40.810	41.10	1.219	1.228	231.88	116	0.362	
25	25 13C-2,3,7,8-TCDF	1.67e5	0.79	NO	1.07	1.000	25.351	25.39	0.990	0.992	94.694	94.7	0.249	
26	26 13C-1,2,3,7,8-PeCDF	1.33e5	1.61	NO	0.826	1.000	29.594	29.46	1.156	1.151	97.488	97.5	0.410	
27	27 13C-2,3,4,7,8-PeCDF	1.29e5	1.68	NO	0.796	1.000	30.498	30.35	1.191	1.185	98.043	98.0	0.425	1
28	28 13C-1,2,3,4,7,8-HxCDF	1.01e5	0.51	NO	1.08	1.000	33.066	33.05	0.988	0.988	104.52	105	0.398	
29	29 13C-1,2,3,6,7,8-HxCDF	1.04e5	0.50	NO	1.12	1.000	33.199	33.17	0.992	0.991	102.86	103	0.380	
30	30 13C-2,3,4,6,7,8-HxCDF	9.68e4	0.49	NO	1.02	1.000	33.772	33.77	1.009	1.009	105.29	105	0.417	
31	31 13C-1,2,3,7,8,9-HxCDF	8.66e4	0.49	NO	0.887	1.000	34.672	34.73	1.036	1.038	108.80	109	0.482	
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.78e4	0.44	NO	0.811	1.000	36.379	36.59	1.087	1.093	106.85	107	0.442	
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.04e4	0.44	NO	0.598	1.000	38.387	38.34	1.147	1.146	112.41	112	0.599	
34	34 13C-OCDF	1.61e5	0.88	NO	0.752	1.000	40.964	41.32	1.224	1.235	239.12	120	0.313	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

20 miles	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37CI-2,3,7,8-TCDD	2.34e5			1.24	1.000	26.270	26.19	1.026	1.023	224.95	112	0.0764	
36	36 13C-1,2,3,4-TCDD	8.37e4	0.81	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.295	
37	37 13C-1,2,3,4-TCDF	1.65e5	0.79	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.266	
38	38 13C-1,2,3,4,6,9-HxCDF	8.98e4	0.50	NO	1.00	1.000	33.530	33.47	1.000	1.000	100.00	100	0.428	

Quantify Sam Vista Analytica	al Laboratory MassLynx 4.1	Page 1 of 1
Dataset:	Untitled	
Last Altered: Printed:	Wednesday, May 27, 2020 11:57:57 Pacific Daylight Time Wednesday, May 27, 2020 11:58:25 Pacific Daylight Time	

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2020 14:57:34 Calibration: 27 May 2020 11:57:57

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.89
2	2 1,2,8,9-TCDD (Last)	27.03
3	3 1,2,4,7,9-PeCDD (First)	28.62
4	4 1,2,3,8,9-PeCDD (Last)	30.99
5	5 1,2,4,6,7,9-HxCDD (First)	32.40
6	6 1,2,3,7,8,9-HxCDD (Last)	34.36
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.97
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.79
9	9 1,3,6,8-TCDF (First)	20.81
10	10 1,2,8,9-TCDF (Last)	27.17
11	11 1,3,4,6,8-PeCDF (First)	27.12
12	12 1,2,3,8,9-PeCDF (Last)	31.21
13	13 1,2,3,4,6,8-HxCDF (First)	31.86
14	14 1,2,3,7,8,9-HxCDF (Last)	34.74
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.61
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.34

Dataset: Untitled

Last Altered:	Wednesday, May 27, 2020 11:36:43 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:37:00 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Compound name: 2,3,7,8-TCDD

1 199	Name	ID	Acq.Date	Acq.Time
1	200526D2_1	SOLVENT BLANK	26-May-20	20:12:13
2	200526D2_2	ST200526D2-1 1613 CS0 20E0704	26-May-20	20:57:24
3	200526D2_3	ST200526D2-2 1613 CS1 20E0705	26-May-20	21:42:35
4	200526D2_4	ST200526D2-3 1613 CS2 20E0706	26-May-20	22:27:45
5	200526D2_5	ST200526D2-4 1613 CS3 20E0707	26-May-20	23:12:55
6	200526D2_6	ST200526D2-5 1613 CS4 20E0708	26-May-20	23:58:05
7	200526D2_7	ST200526D2-6 1613 CS5 20E0709	27-May-20	00:43:15
8	200526D2_8	SOLVENT BLANK	27-May-20	01:28:25
9	200526D2_9	SS200526D2-1 1613 SSS 20E0710	27-May-20	02:13:37
10	200526D2_10	QC200526D2-1 1613 QC OPR COMB NS	27-May-20	02:58:46

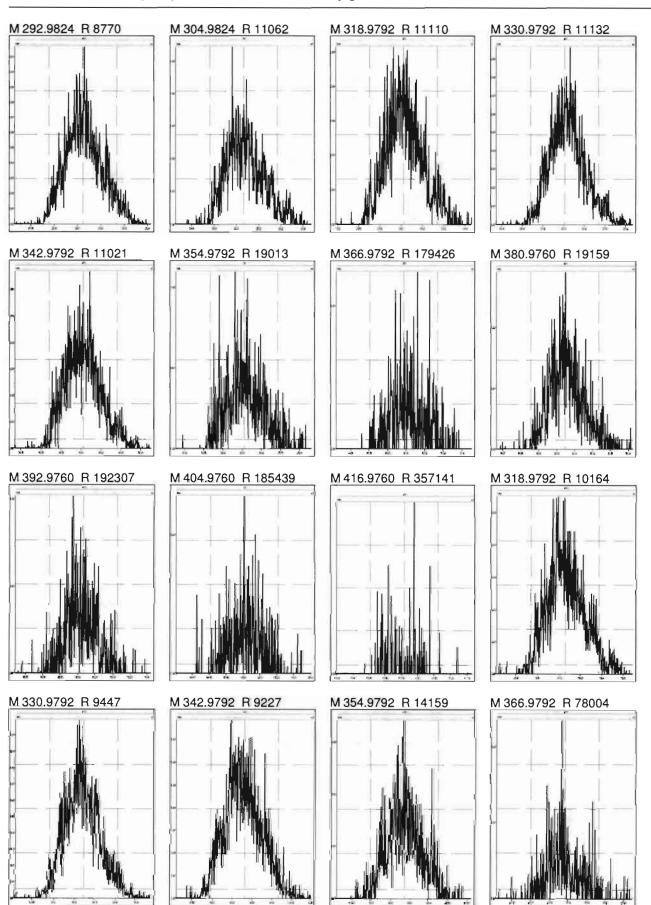
Resolution Check Report

MassLynx 4.1

Page 1 of 3

Printed:





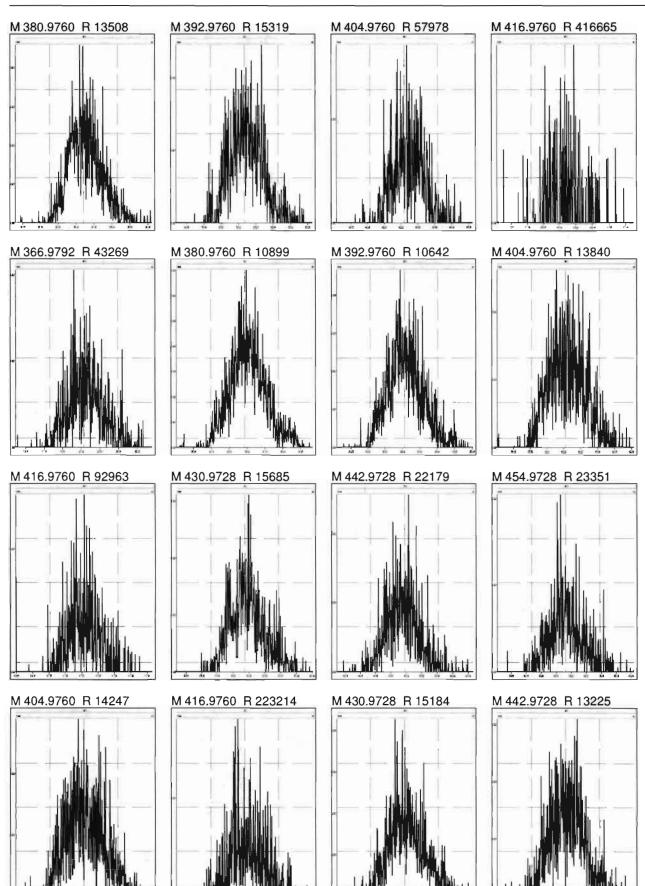
Resolution Check Report

MassLynx 4.1

Page 2 of 3

Printed:





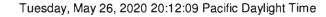
Work Order 2001155

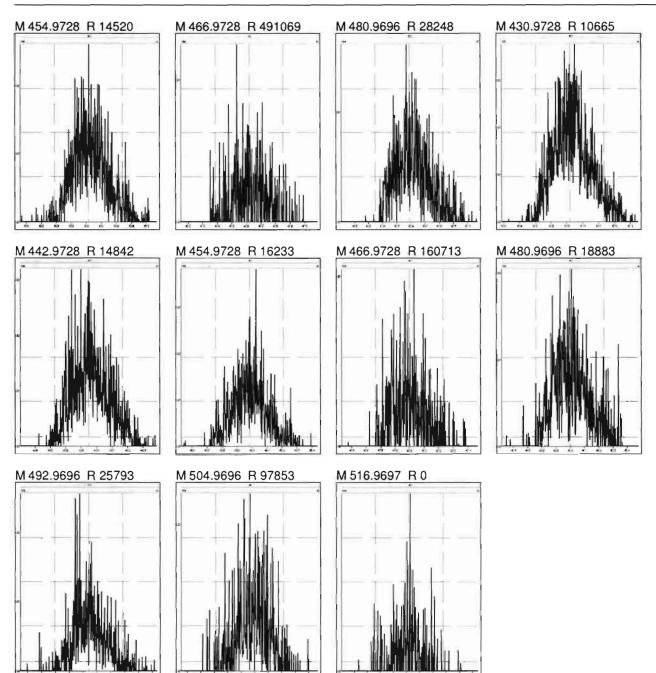
Resolution Check Report

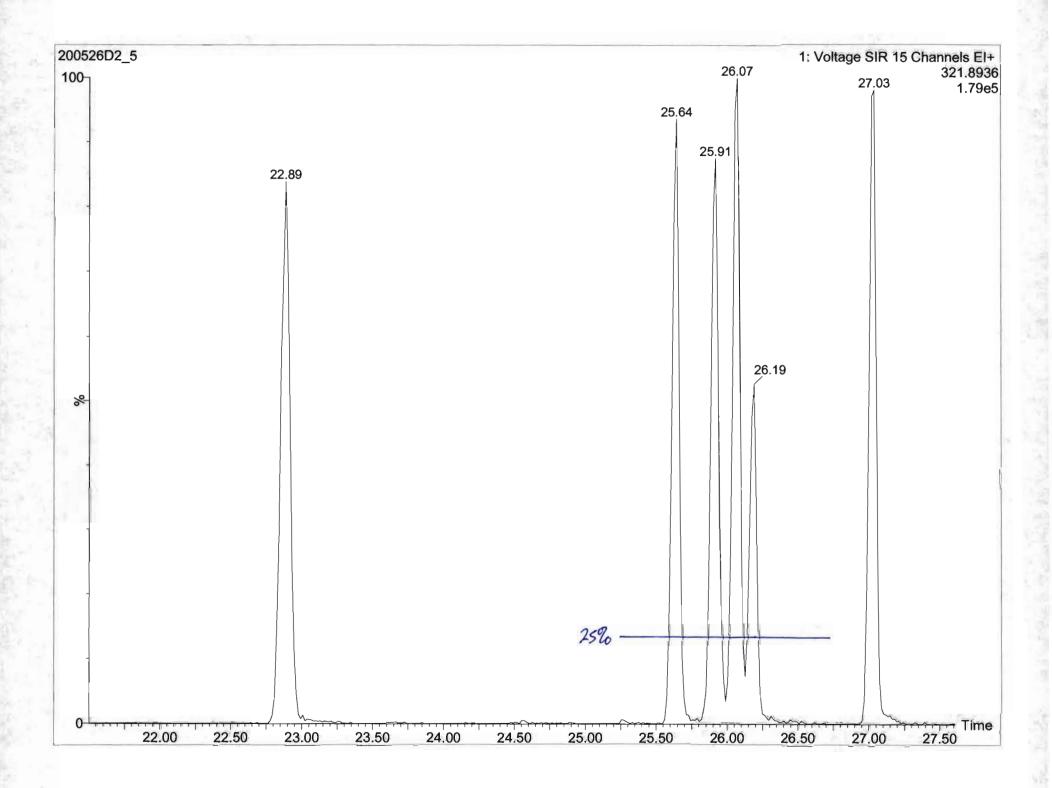
MassLynx 4.1

Page 3 of 3

Printed:

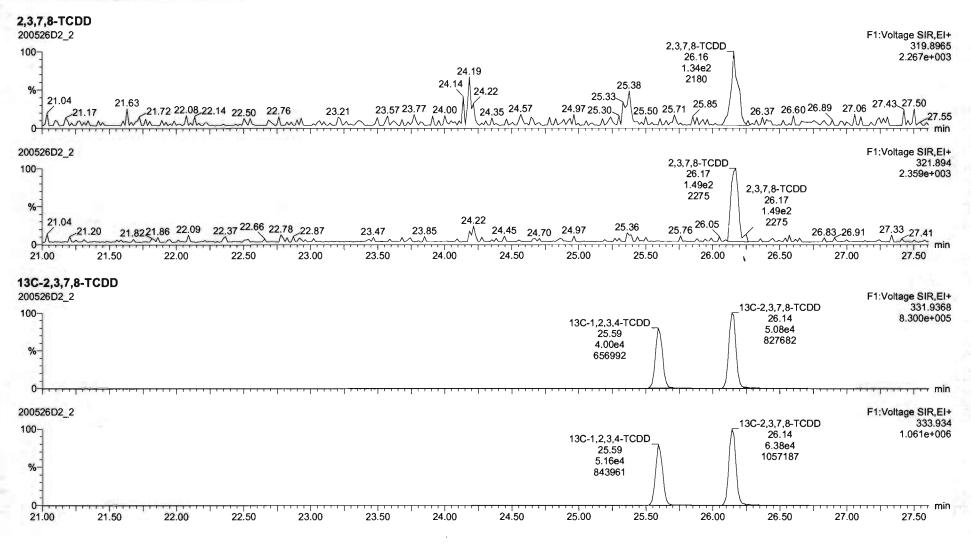


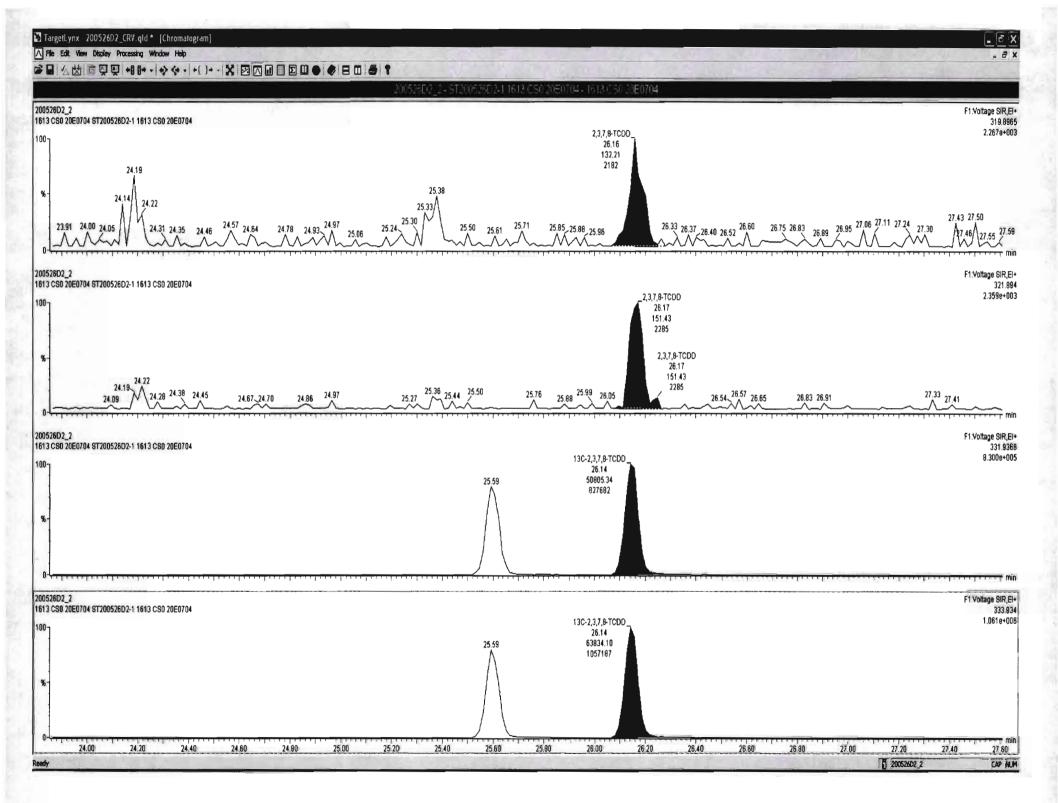




Quantify Sam Vista Analytica		Page 1 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

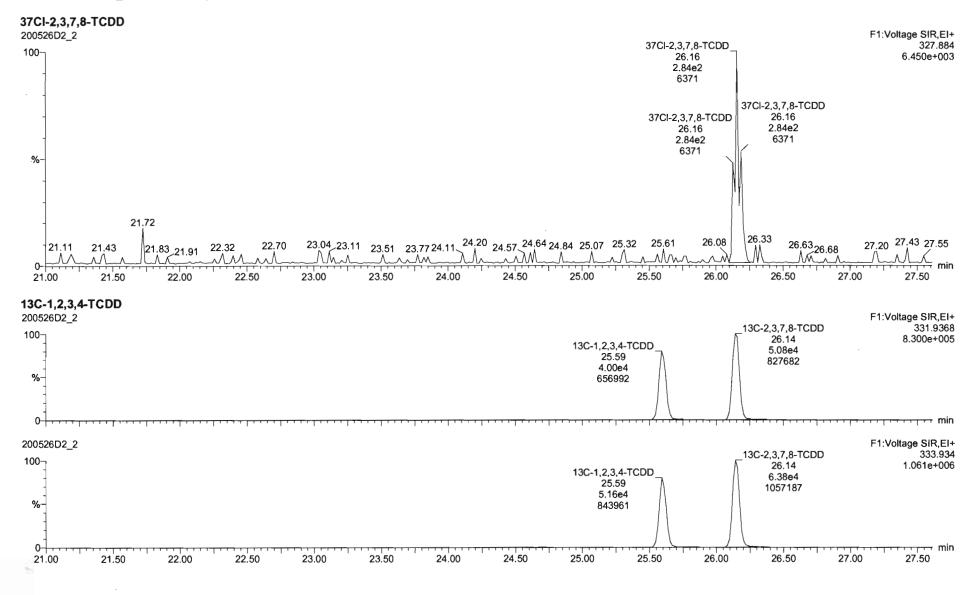
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:37:23





Quantify San Vista Analytica		Page 2 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

Name: 200526D2_2, Date: 26-May-2020, Time: 20:57:24, ID: ST200526D2-1 1613 CS0 20E0704, Description: 1613 CS0 20E0704

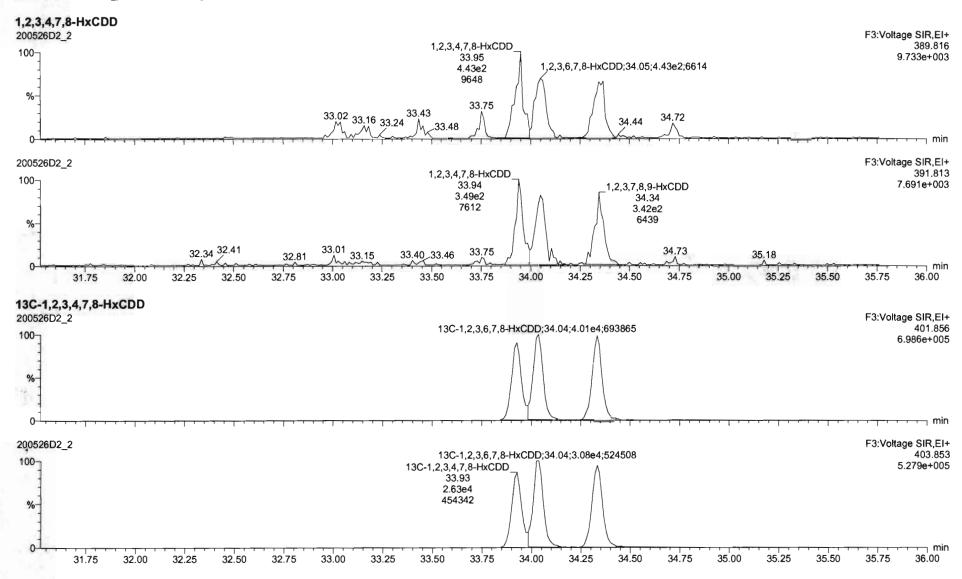


Work Order 2001155

	nple Report N al Laboratory	lassLynx 4.1								Page 3 of
ataset:	U:\VG7.PRO\Resu	llts\200526D2\2	00526D2_CR\	/.qld						
ast Altered: rinted:	Wednesday, May 2 Wednesday, May 2									-
ame: 20052	6D2_2, Date: 26-Ma	y-2020, Time: 2	20:57:24, ID: S	T200526D	02-1 1613 CS0	20E0704, Descrij	otion: 1613 CS0 20	E0704		
2,3,7,8-PeC	DD									
0526D2_2					29.44 1.92e2 4449		1,2,3,7,8-PeC 30.61 3.40e2	DD		F2:Voltage SIR, 353.8 5.658e+
~ ~					\wedge		5578			
0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	$\overline{\beta}$		29.54	29.90				31.49 ا
0526D2_2										F2:Voltage SIR,
10 							1,2,3,7,8-PeC 30.61 5.44e2 11071			355.8 1.118 e+
% -					29.44		30.31			
0 27.80	، من 	28.40 28.60	28.80 29.0	0 29.20	29.44	60 29.80 30.00	$\hat{\mathbf{m}}$	30.83 30.60 30.80	Thursday of the second	31.20 31.40
C-1,2,3,7,8								C. 778		
0526D2_2							13C-1,2,3,7,8-PeC	חח		F2:Voltage SIR, 365.8
⁰⁰							30.61 3.12e4 605276	7		6.064e+
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				***		•] • • • • • • • • • • • • • • • • • •	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
0526D2_2					, , , , ,					F2:Voltage SIR
00_ %_							13C-1,2,3,7,8-PeCD 30.59 4.94e4 905456			367. 9.066e+
1										

Work Order 2001155

Quantify Sam Vista Analytica		Page 4 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

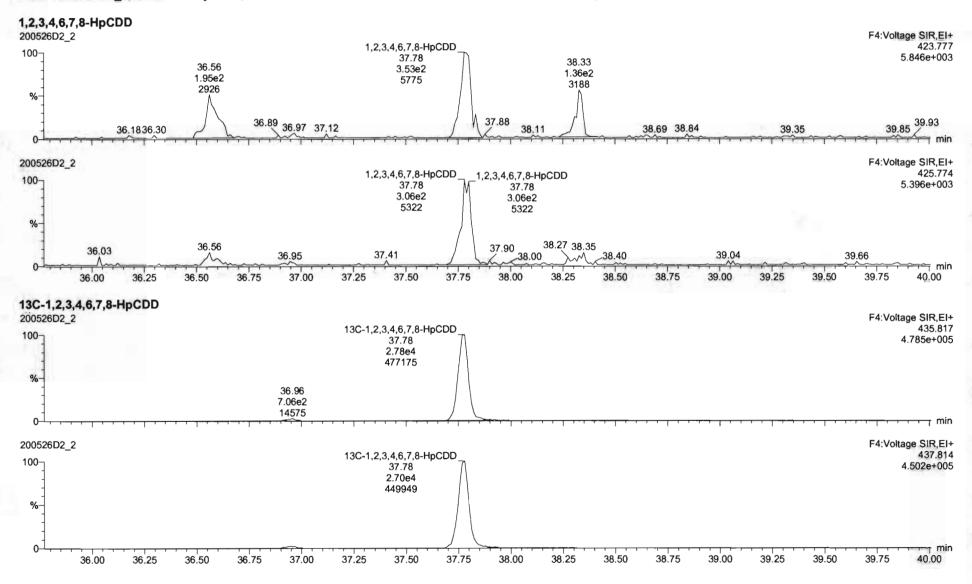


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory

Page 5 of 78

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

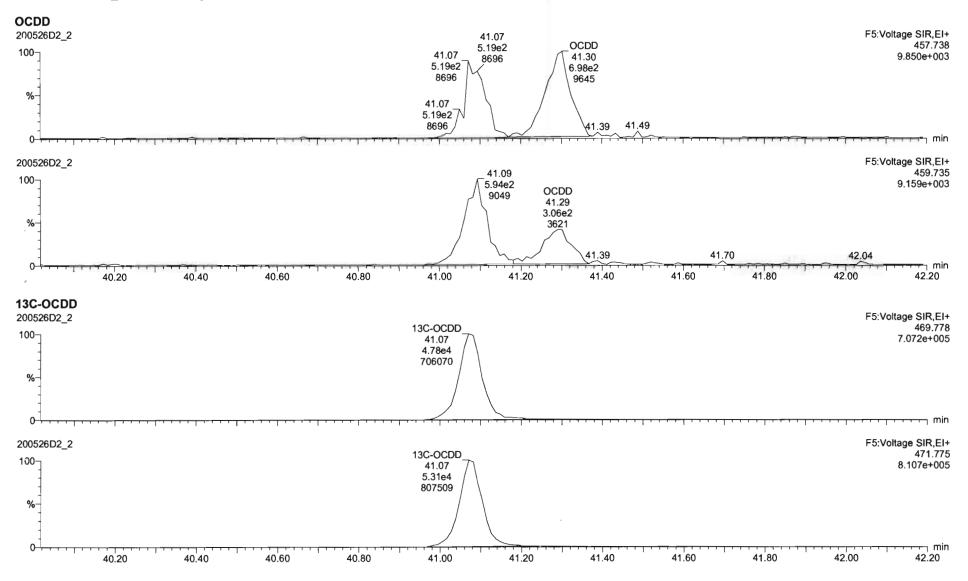
Last Altered:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

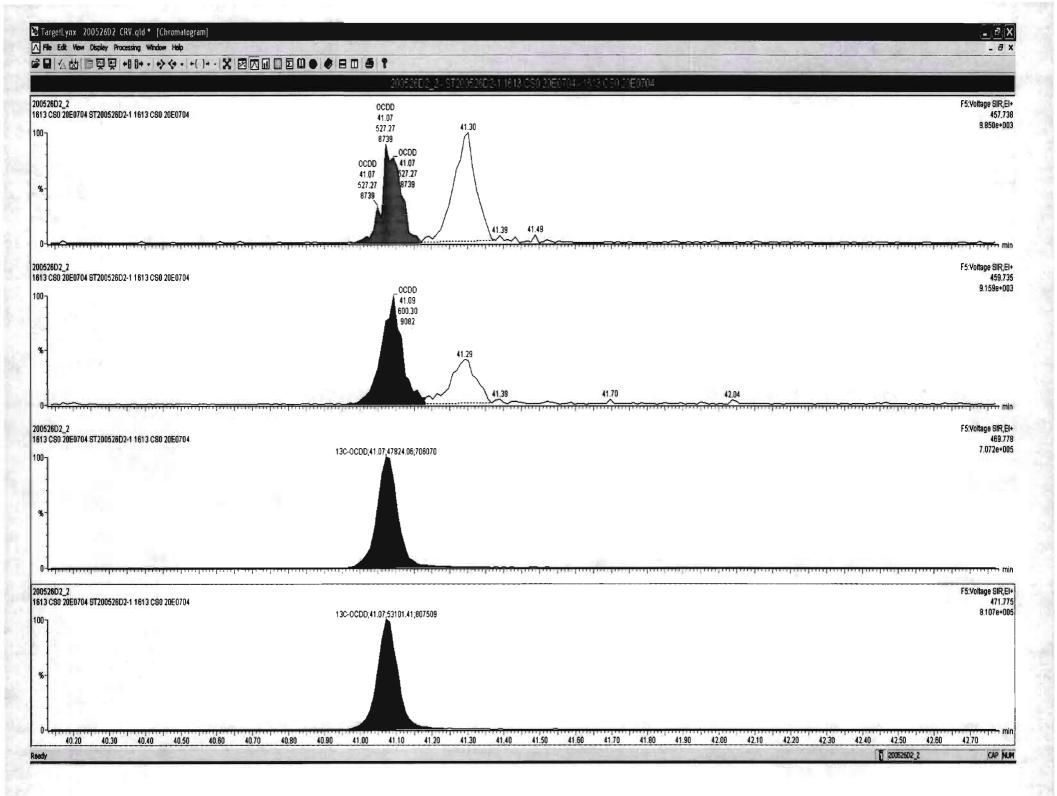


Quantify Sample Report	MassLynx 4.1	
Vista Analytical Laboratory		

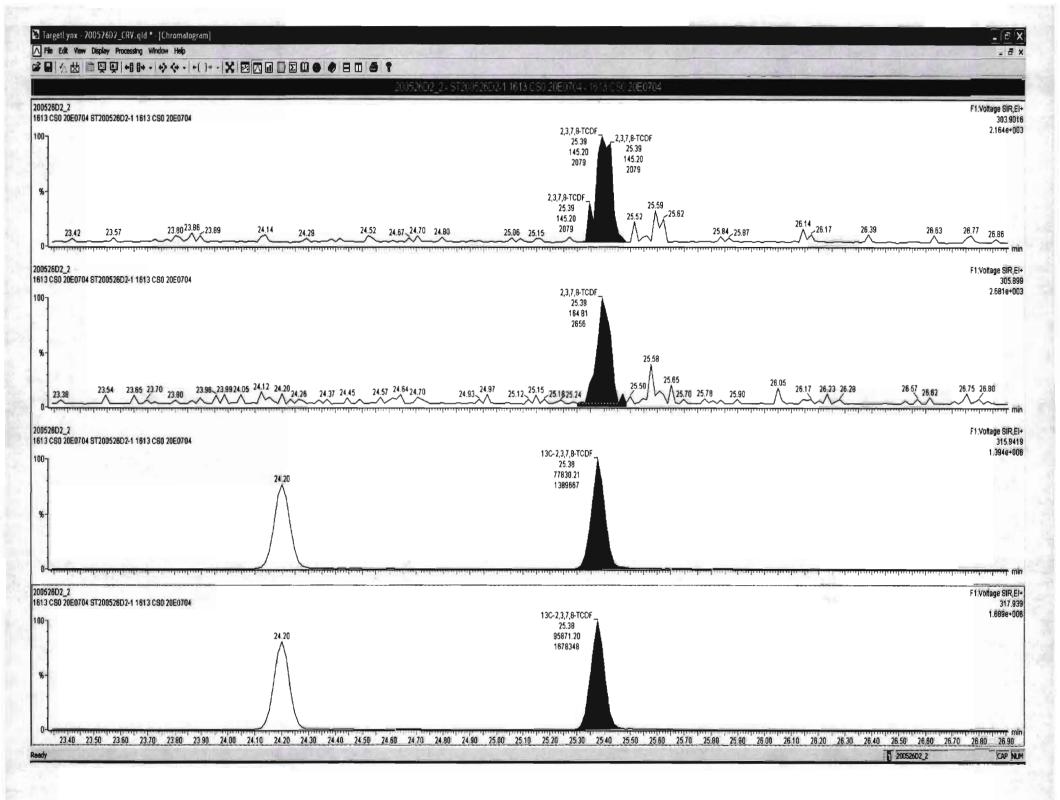
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time





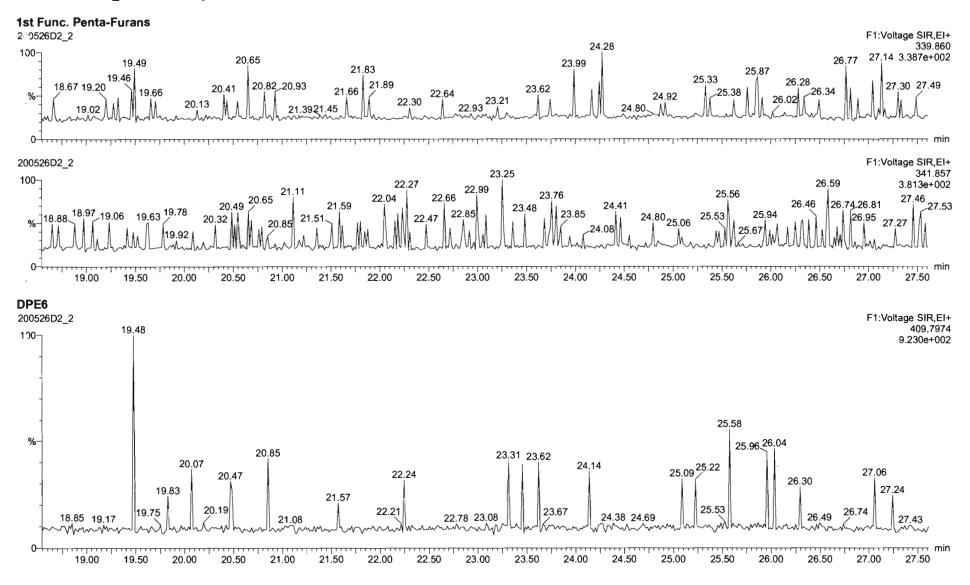
sta Analytical Laboratory	MassLynx 4.1 Page 7 of
taset: U:\VG7.PRO\	Results\200526D2\200526D2_CRV.qld
	May 27, 2020 11:41:15 Pacific Daylight Time May 27, 2020 11:42:00 Pacific Daylight Time
inted: Wednesday, I	May 27, 2020 11.42.00 Pacine Dayiight Time
	C Mar 2020 Time 20.57-24 ID: ST200526D2 4 4642 CS0 2050704 Description: 4642 CS0 2050704
me: 200526D2_2, Date: 20	6-May-2020, Time: 20:57:24, ID: ST200526D2-1 1613 CS0 20E0704, Description: 1613 CS0 20E0704
3,7,8-TCDF 0526D2_2	F1:Voltage SIR,
0 ₇	2,3,7,8-TCDF 2,3,7,8-TCDF;25.39;1.45e2;2079 21.0014ge Sir,1 25.39 25.39 21.64e4
18.91 19.12 19.89 0 18.91 19.12	21.37 01 00 22.24 0 23.04 24.70 24.70 25.59 00.44 26.39 00 00 27.20.27.27 27.
0526D2_2	F1:Voltage SIR,t
- -	2,3,7,8-TCDF 305.8 25.39 2.681e+0
19.06 19.42 19.55	$20.0420.10^{20.6820.94} 21.39 21.49^{21.97} 22.14 22.46^{22.64} 23.30 24.0524.12.24.20 2599 15.062 25.58 26.05 26.62 26.75 27.12 27.40 27.10 2$
•	20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27.50
19.00 19.50 2	20.00 20.50 21.00 21.50 22.00 22.50 25.00 25.50 24.00 24.50 25.00 25.50 20.00 20.50 21.50
C-2,3,7,8-TCDF 0526D2_2	F1:Voltage SIR,E
002002_2	13C-1,2,3,4-TCDF;24.20;7.22e4;1073494 13C-2,3,7,8-TCDF 315.94 25.38 1.394e+C
%-	∧ 7.78e4 /\
-	7.78e4 1389667
%	7.78e4 1389667 F1:Voltage SIR,
» 0 	7.78e4 1389667 F1:Voltage SIR,t 13C-1,2,3,4-TCDF;24.20;9.06e4;1367359 13C-2,3,7,8-TCDF_
0 0 0 0 526D2_2	۲.78e4 1389667 ۲.78e4 1389667 ۲1:Voltage SIR,t 13C-1,2,3,4-TCDF;24.20;9.06e4;1367359 13C-2,3,7,8-TCDF
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.78e4 1389667 F1:Voltage SIR,6 13C-1,2,3,4-TCDF;24.20;9.06e4;1367359 13C-2,3,7,8-TCDF 25.38 9.59e4 1678348
0526D2_2 19 19.00 19.50 2	7.78e4 1389667 F1:Voltage SIR, 13C-1,2,3,4-TCDF;24.20;9.06e4;1367359 13C-2,3,7,8-TCDF 25.38 9.59e4 1689e+C 1689e+C
0526D2_2 19 0 19.00 19.50 2 PE1	7.78e4 1389667 F1:Voltage SIR, 13C-1,2,3,4-TCDF;24.20;9.06e4;1367359 13C-2,3,7,8-TCDF 25.38 9.59e4 1678348 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27.50
0526D2_2 19 19.00 19.50 2	7.78e4 1389667 F1:Voltage SIR, 13C-1,2,3,4-TCDF;24.20;9.06e4;1367359 13C-2,3,7,8-TCDF 25.38 9.59e4 1678348 16783
0526D2_2 0 0 0 0 0 0 0 19.00 19.50 2 0 2 2 2 2 2 2 2 2 2 2 2 2 2	7.78e4 1389667 F1:Voltage SIR, 13C-1,2,3,4-TCDF;24.20;9.06e4;1367359 13C-2,3,7,8-TCDF 25.38 9.59e4 1678348 16783
0526D2_2 0 0 0 0 0 0 0 19.00 19.50 2 0 2 2 2 2 2 2 2 2 2 2 2 2 2	7.78e4 1389667 13C-1,2,3,4-TCDF;24.20;9.06e4;1367359 13C-2,3,7,8-TCDF 25.38 9.59e4 1678348 1678
0526D2_2 0 0 0 0 0 0 0 19.00 19.50 2 0 2 2 2 2 2 2 2 2 2 2 2 2 2	7.78e4 1389667 13C-1,2,3,4-TCDF;24.20;9.06e4;1367359 13C-2,3,7,8-TCDF 25.38 9.59e4 1678348 1678
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.33 7,78e4 1389667 7,78e4 1389667 1389667 1389667 13C-1,2,3,4-TCDF;24.20;9.06e4;1367359 13C-2,3,7,8-TCDF 25,38 9.59e4 1689e40 25,50 25,50 26,00 25,50 26,00 25,50 26,00 26,50 27,00 27,50 F1:Voltage SIR, f 375,83 8.378e40 25,10
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.33



Quantify Sample Report	MassLynx 4.1
Vista Analytical Laboratory	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time



ista Analytica		Page 9 of 7
ataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
ast Altered: rinted:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
ame: 200520	6D2_2, Date: 26-May-2020, Time: 20:57:24, ID: ST200526D2-1 1613 CS0 20E0704, Description: 1613 CS0 20E0704	
, 2,3,7,8-PeC 00526D2_2 00	1,2,3,7,8-PeCDF;29.44;8.38e2;14409 30.33 9,88e2 19390	F2:Voltage SIR,E 339.8 1.946e+0
0		. , , m
00526D2_2 00	1,2,3,7,8-PeCDF 29.44 5.62e2 11186 2,3,4,7,8-PeCDF;30.33;5.39e2;9049	F2:Voltage SIR,E 341.8 1.133e+0
0 ⁻¹ , , , , , , , , , , , , , , , , , , ,	28.00 28.25 28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50	31.75 32.00
3C-1,2,3,7,8 - 00526D2_2	PeCDF 13C-1,2,3,7,8-PeCDF 29.44 8.49e4 1733086 13C-2,3,4,7,8-PeCDF 30.33 8.09e4 1604114	F2:Voltage SIR,E 351.9 1.736e+0
00526D2_2		F2:Voltage SIR,E
00 %	13C-1,2,3,7,8-PeCDF 29.44 5.03e4 963410 13C-2,3,4,7,8-PeCDF 30.33 4.72e4 879515	353.8 9.659e+0
27.75	28.00 28.25 28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50	31.75 32.00
PE2 00526D2_2	28,50 28.84	F2:Voltage SIR,E 409.79
00 	28.45	4.784 e+ 0

28.00

28.25

28.50

28.75

29.00

29.25

29.50

29.75

30.00

30.25

30.50

30.75

31.00

0

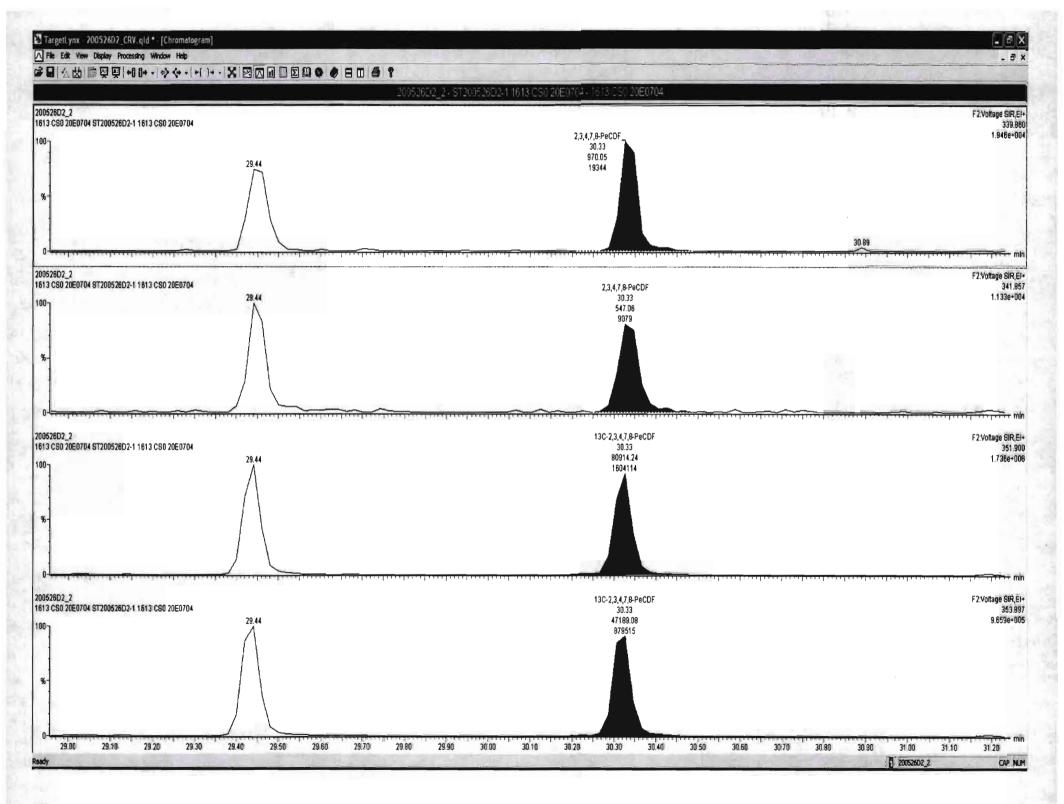
27.75

31.75

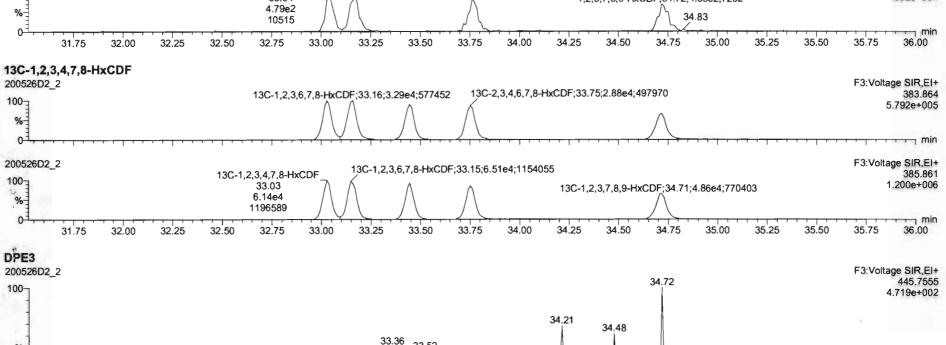
31.50

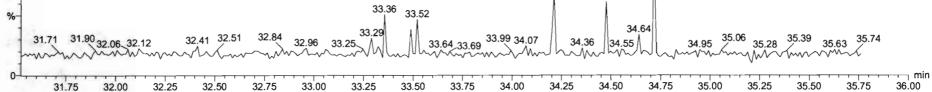
31.25

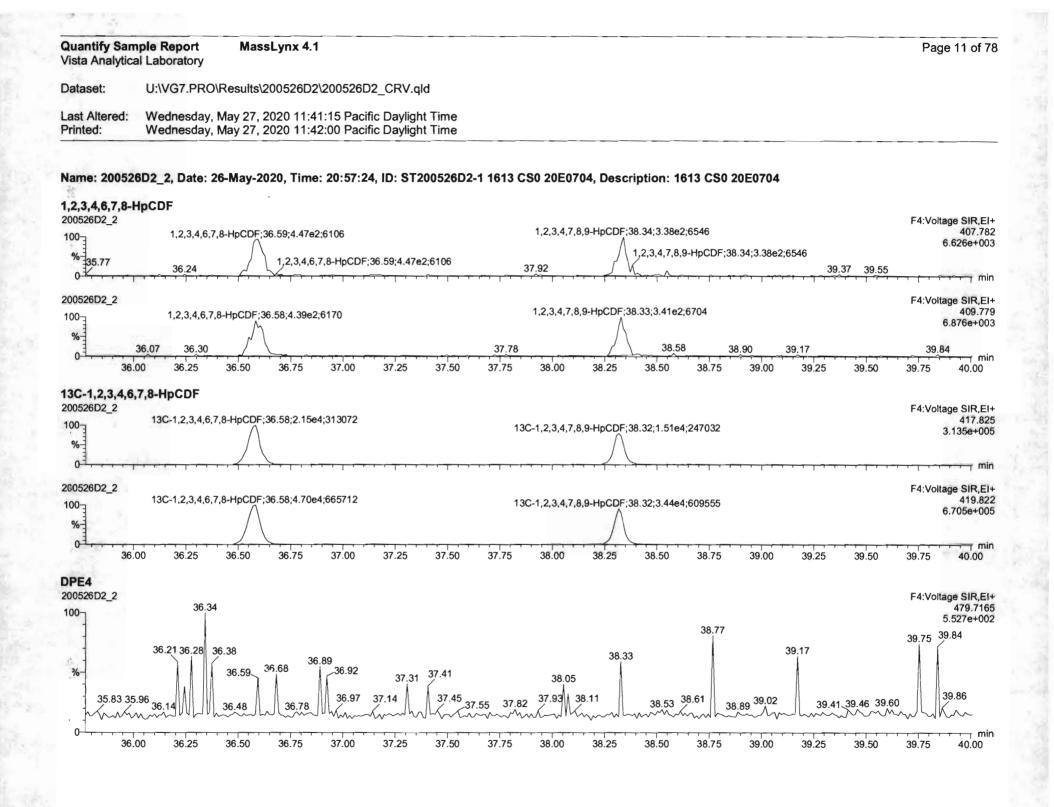
32.00

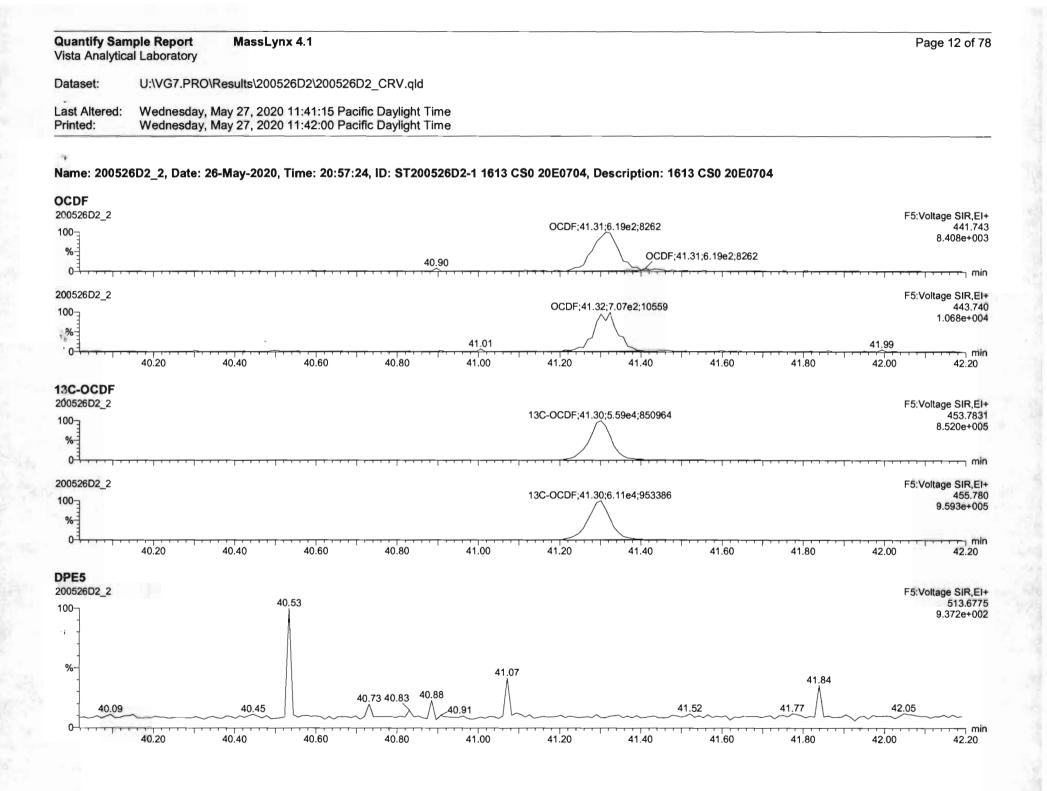


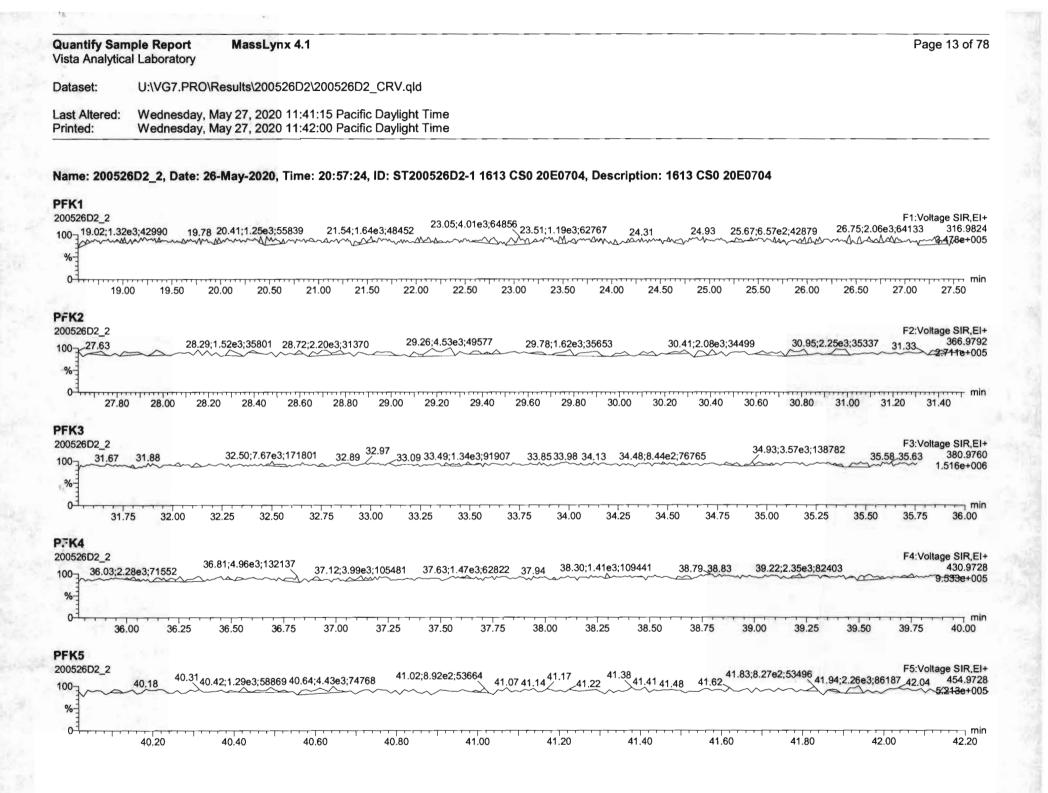
Vista Analytica	al Laboratory MassLynx 4.1	Page 10 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
lame: 20052	6D2_2, Date: 26-May-2020, Time: 20:57:24, ID: ST200526D2-1 1613 CS0 20E0704, Description: 1613 CS0 20E0704	
2.3.4.7.8-H	CDF	
1,2,3,4,7,8-Hx 200526D2_2 100-	1,2,3,4,7,8-HxCDF 2,3,4,6,7,8-HxCDE:33,77:6,36e2:10814	F3:Voltage SIR,EI+ 373.821
200526D2_2		373.821 1.295e+004
200526D2_2	1,2,3,4,7,8-HxCDF2,3,4,6,7,8-HxCDF;33.77;6.36e2;10814 1,2,3,7,8,9-HxCDF;34.73;5.14e2;9203 33.04 6.72e2	373.821



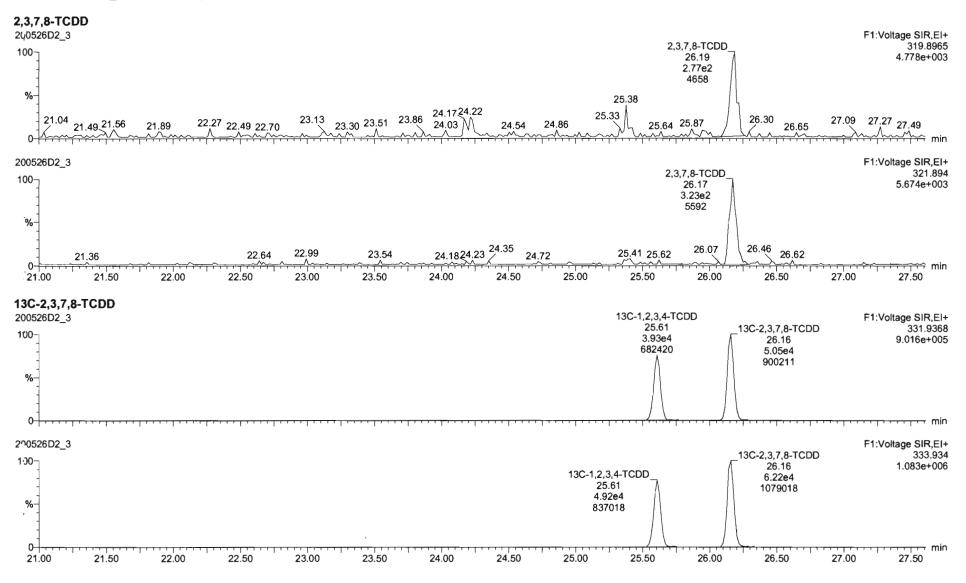








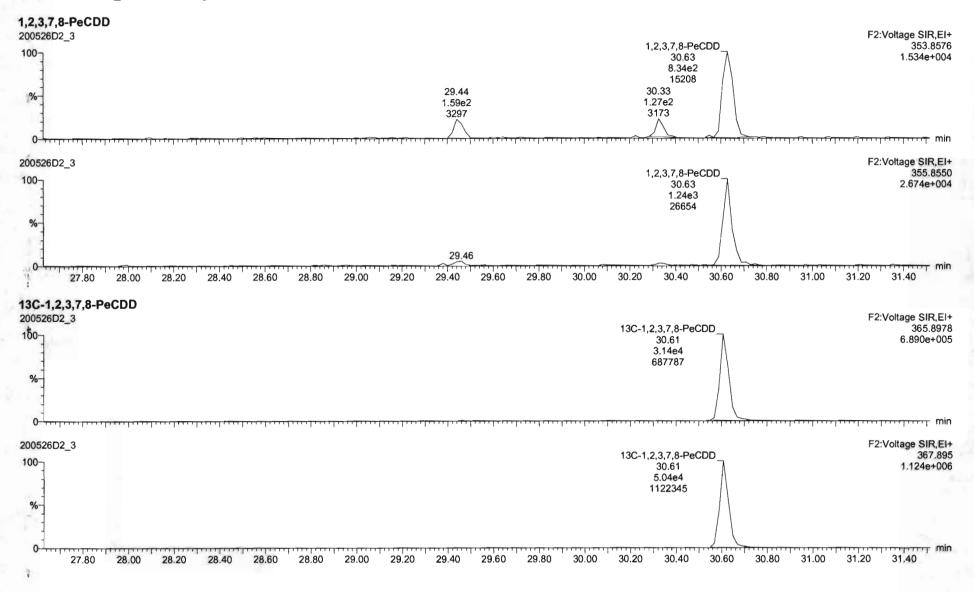
Quantify San Vista Analytica		Page 14 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



Quantify Sam Vista Analytica		Page 15 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

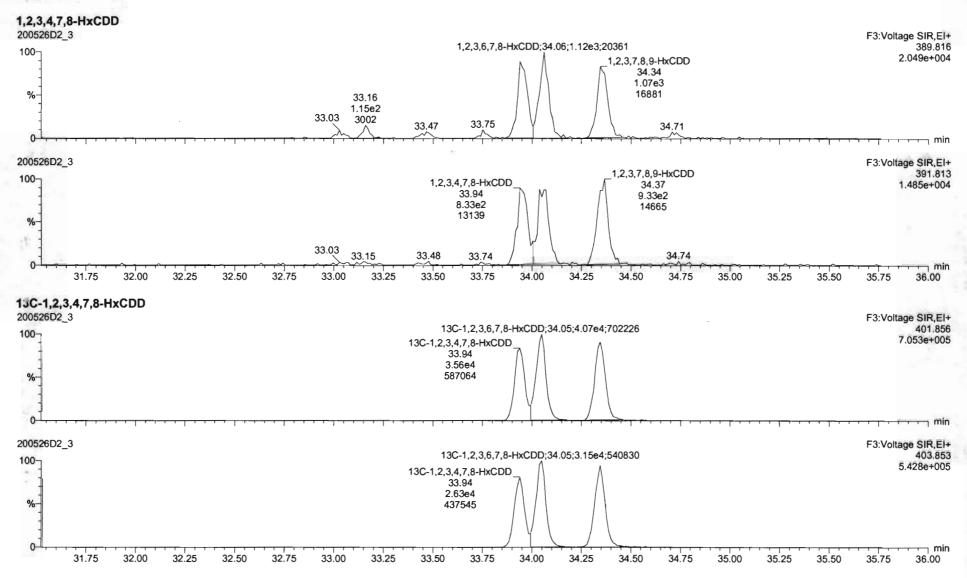
37CI-2,3,7,8-TCDD 200526D2 3 F1:Voltage SIR,EI+ 327.884 9.927e+003 37CI-2,3,7,8-TCDD 100-26.17 5.32e2 9810 % 4 27.55 21.07 21.48 26.05 21.66 21.94 22.09 25.01 25.16 26.77 27.12 27.32 25.53,25.59 26.39 23.68 23.93 22.40 22.98 23.21 24.69 MA ٨٨ M M A A 0 min 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 26.50 25.50 26.00 27.00 27.50 13C-1,2,3,4-TCDD 13C-1,2,3,4-TCDD 25.61 3.93e4 682420 200526D2 3 F1:Voltage SIR,EI+ 331.9368 13C-2,3,7,8-TCDD 100-26.16 9.016e+005 5.05e4 900211 %-:0-- min 200526D2 3 F1:Voltage SIR,EI+ 333.934 13C-2,3,7,8-TCDD 26.16 100-1.083e+006 13C-1,2,3,4-TCDD 25.61 6.22e4 1079018 4.92e4 %-837018 0min ----23.00 23.50 24.50 21.00 21.50 22.00 22.50 24.00 25.00 25.50 26.00 26.50 27.00 27.50

Quantify Sam Vista Analytica		Page 16 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



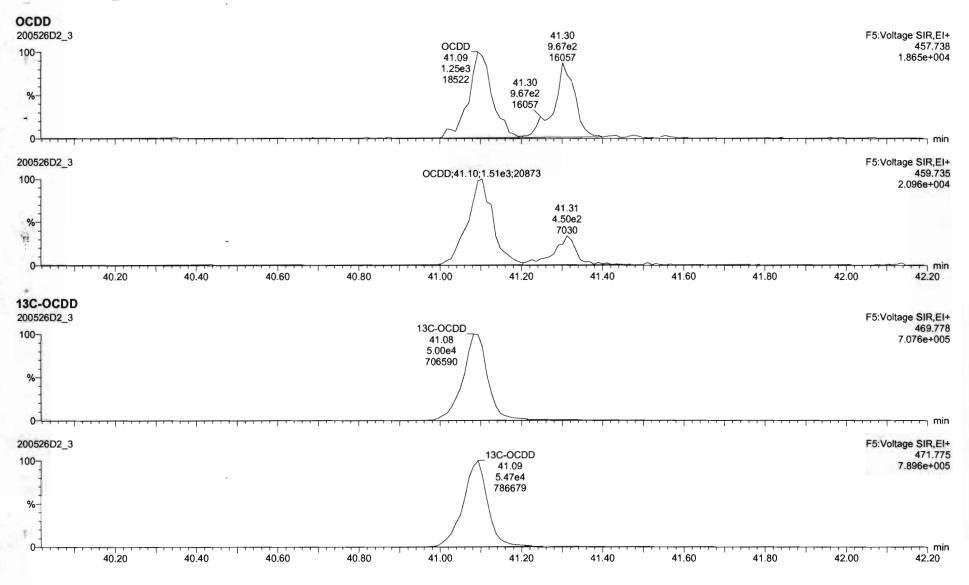
Work Order 2001155

Quantify Sam Vista Analytica		Page 17 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



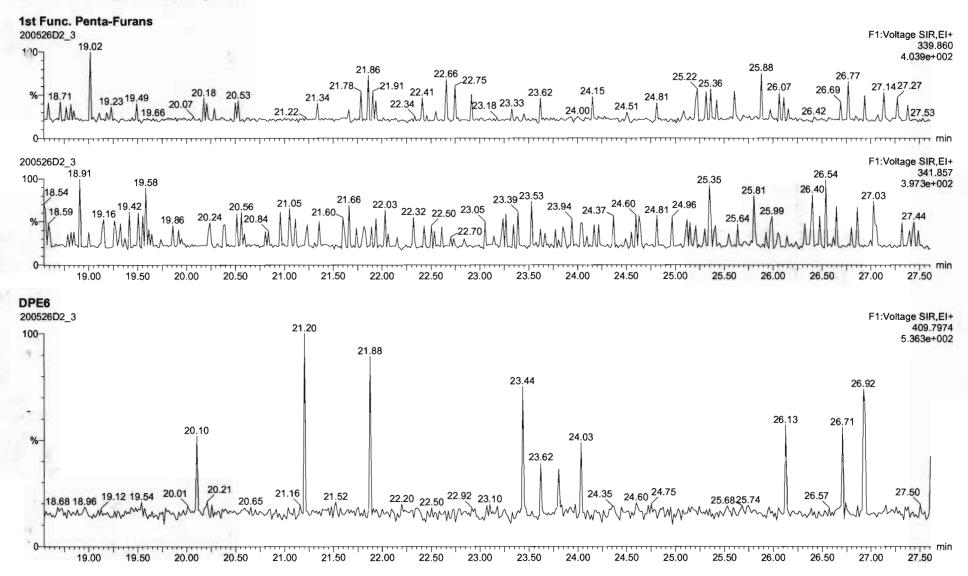
uantify Sam sta Analytica	ple Report al Laboratory	MassLynx 4	.1								Page 18 of
taset:	U:\VG7.PRO\F	Results\200526D	2\200526D	2_CRV.qld							
st Altered: nted:				ĩc Daylight Time ĩc Daylight Time							
me: 200526	6D2 3. Date: 26	-Mav-2020. Tim	e: 21:42:3	5, ID: ST200526D2	-2 1613 CS1 20	E0705. Des	cription: 1	613 CS1 2	20E0705		
,3,4,6,7,8- 526D2_3	-	, ,					•				F4:Voltage SIR,
		36.58 1.65e2 2861 √∕ 36.66	36.99	1,2,3,4,6,7,8-H 37.79 7,66e2 12680	1,2,3,4,6	2680 1	38.32 .66e2 3087				423. 1.278e+
526D2_3			╤╤╱┧╍╒╱┍╸	1,2,3,4,6,7,8-F 37.79	Å	╺╦╾┲┷┱╌ᡪ╸┟╯╷╴	, , , , , , , , , , , , , , , , , , , 		┷╼╼╼╼	★↑−↑−↑	F4:Voltage SIR, 425. 1.504e+
		36.59		7.95e2 14949	1,2,3,4	6,7,8-HpCDD 37.79 7.95e2 14949 3	8.32				
36.0	00 36.25	36.50 36.75	37.00	37.25 37.50	37.75 38.0	0 38.25	38.50	38.75	39.00	39.25 39.50	39.75 40.0
-1,2,3,4,6, 526D2_3	7,8-HpCDD			13C-1,2,3,4,6,7,8-F 37.79 2.98e4 480954							F4:Voltage SIR, 435. 4.813e+
1			, , , , , , , , ,	• • • • • • • • • • • • • • • • • • •				- , , , , , , , ,	· · · · · ·		
526D2_3				13C-1,2,3,4,6,7,8-H 37.78 2.79e4 471803	pCDD						F4:Voltage SIR 437, 4.732e+
36.0	00 36.25	36.50 36.75	37.00	37.25 37.50	37.75 38.	0 38.25	38.50	38.75	39.00	39.25 39.50	39.75 40.0

Quantify Sam Vista Analytica		Page 19 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

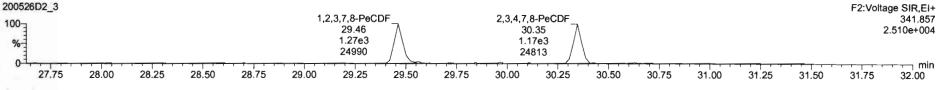


	ple Report I Laboratory	MassLynx 4	4.1												Pag	je 20 o
aset:	U:\VG7.PRO\	Results\200526	D2\20052	26D2_CR\	/.qld											
t Altered: ted:		May 27, 2020 11 May 27, 2020 11														
ne: 200526	D2_3, Date: 20	6-May-2020, Tir	ne: 21:42	2:35, ID: S	ST20052	26D2-2 1	613 CS1 2	20E0705,	Descrip	otion: 16	13 CS1 20	E0705				
7,8-TCDF																
26D2_3											2,3,7,8-TCDF	:			F1:Volt	age Sli 303
											25.39 3.17e2	7				5.496e
	19.37 19.66	20.7	75	21.60 2	2.0922.3	5 22.47	23,11	23.73 2	3.83		5411	25.59	25.68 26.14	26.49	26.97 27.	
						1							[]			• •• ••••
26D2_3											2,3,7,8-TCD	F			F1:Volt	30
											25.41 4.70e2	Λ				7.2886
18.56 19.00	19.52 19.81	20.10 20.75	20.99	21.74	21,97	22.50 2	2,75	23.8	3 24.00		7172	25.62	25.90 26.19)		
19.00) 19.50 2	0.00 20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.5
2 2 7 0 T																
2,3,7,8-TC 26D2_3	JUF														F1:Volt	age SI
								13C-1,2,3,4		13C-	2,3,7,8-TCDF 25.39	- 7				315 1.200
								24.2 7.00e			7.50e4	Λ				1.2000
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	. 	••••				10478	71	\	1194231	4.4	,,			.
26D2_3															F1:Volt	ane Si
								13C-1,2,3,4	I-TCDF	13C-	2,3,7,8-TCDF	:				31
								24.2 8.59e	o A	\	25.39 9.43e4	Λ				1.473€
								13058			1465151	Л				
19.00) 19.50 2	0.00 20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50
1																
26D2_3															F1:Volt	age SI
_						2	22.79									375 4.424e
1	19,19				:	22,34		23,51	24.08							7.7270
					22.06					24.51						
	19.8	37				22.52	23.02									
18.60	19.45 19.78		6420 90-	40 21 50							24 84 05 05 5		26 19 -		26.78	
10.00		20.4220.49 ^{20.}	when w	48 21.09 21	.85	man	23.11	B 23.7	$ ^2$	24.31	24.84 25.322 NMM	5.38 25.4	my my	1.33 26.40	27.37	27.49
mm																
mm				., ,,		1		······································	v w	v v v.		ΨU~ V	V V	10 (

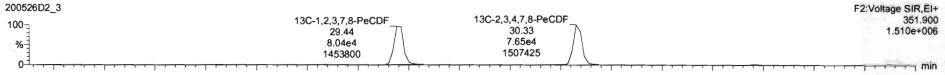
Quantify Sam Vista Analytica		Page 21 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

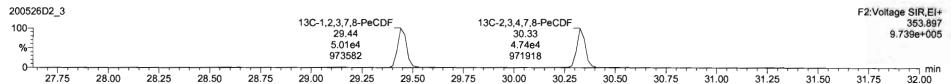


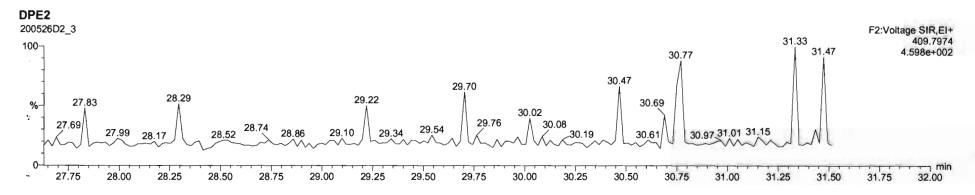
Quantify Sam Vista Analytica		Page 22 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
finted.		
-		
lame: 200520	D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705	
	D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705	F2:Voltage SIR,EI+

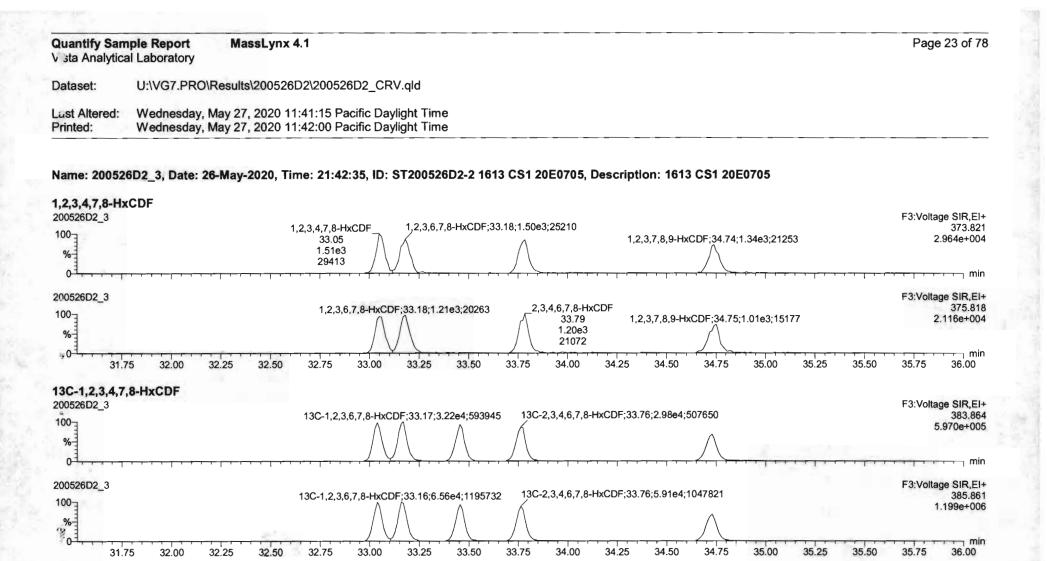




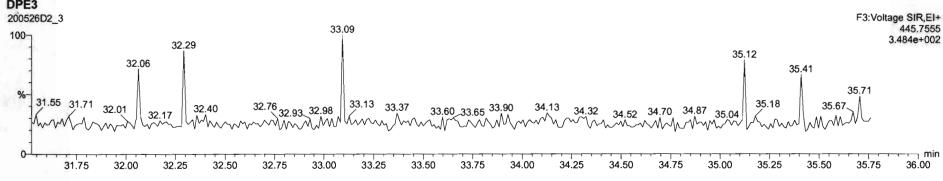




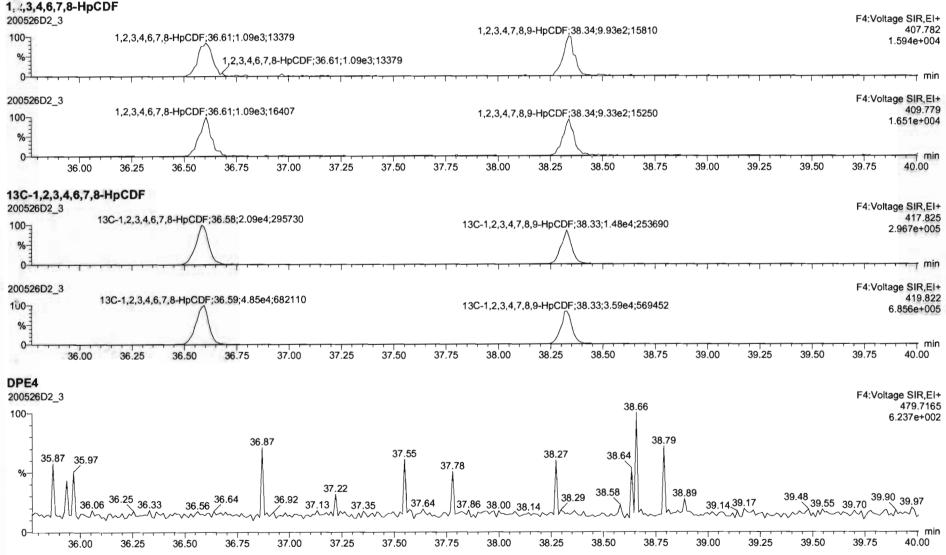




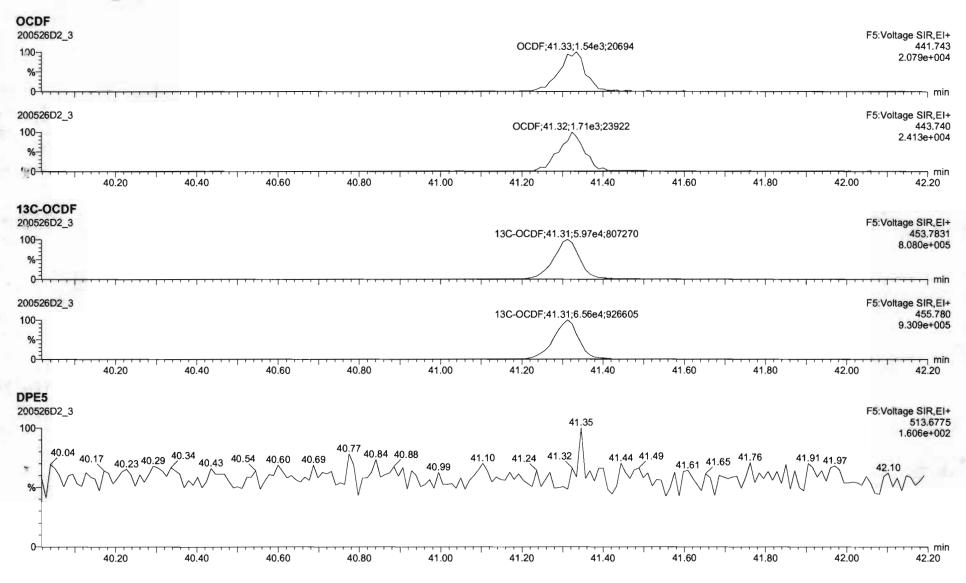




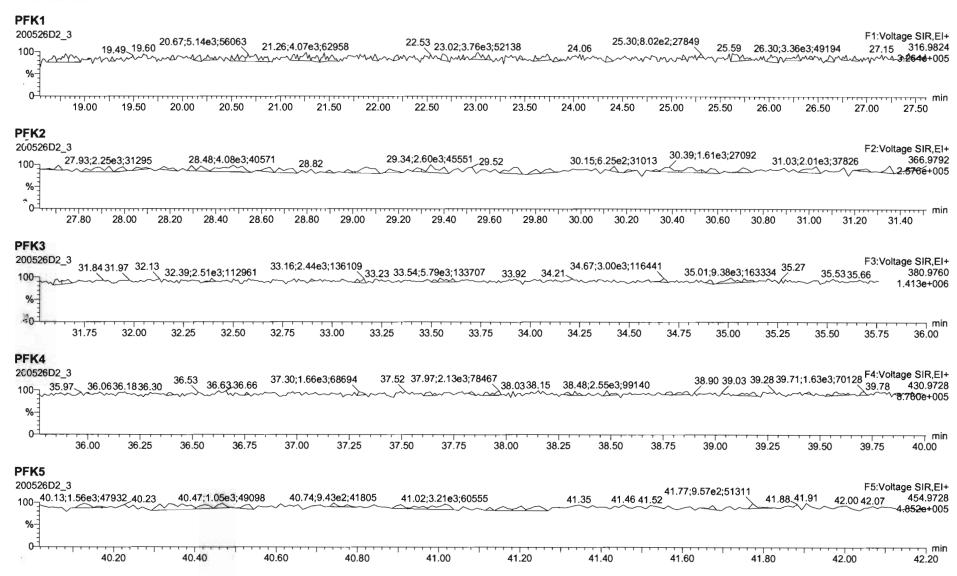
Quantify Sam Vista Analytica		Page 24 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
Name: 20052	6D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705	
Name: 20052	002_3, Date. 20-may-2020, Time. 21.42.33, 1D. 3120032002-2 1013 031 2020703, Description. 1013 001 2020703	



Quantify Sam Vista Analytica		Page 25 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

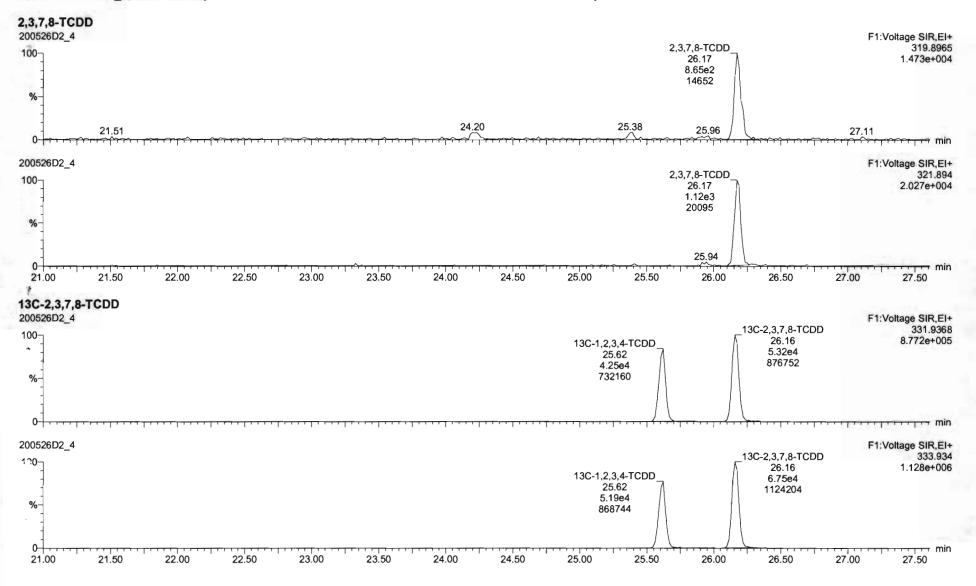


Quantify San Vista Analytica		Page 26 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

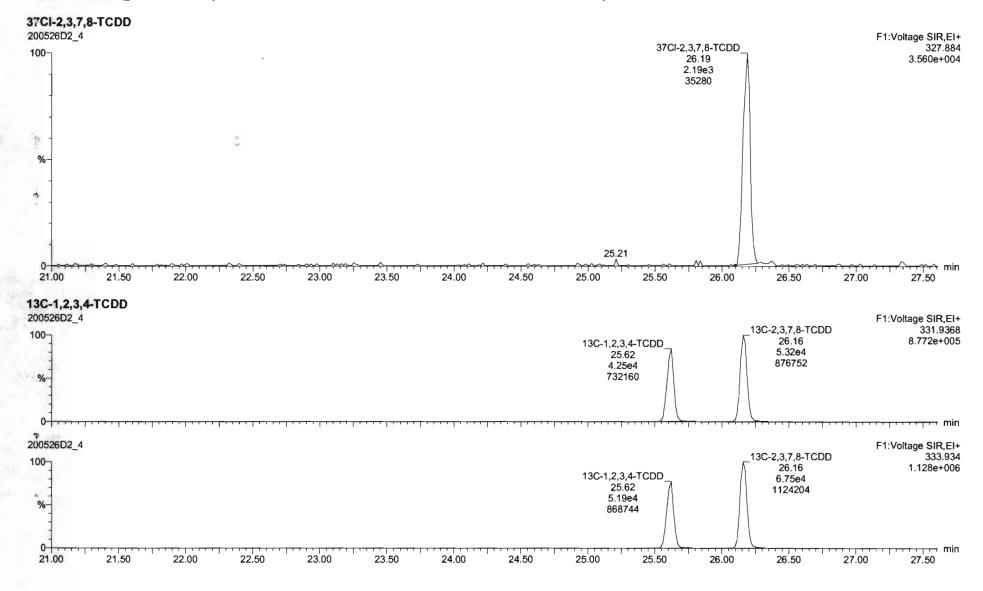


18

Quantify Sam Vista Analytica		Page 27 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

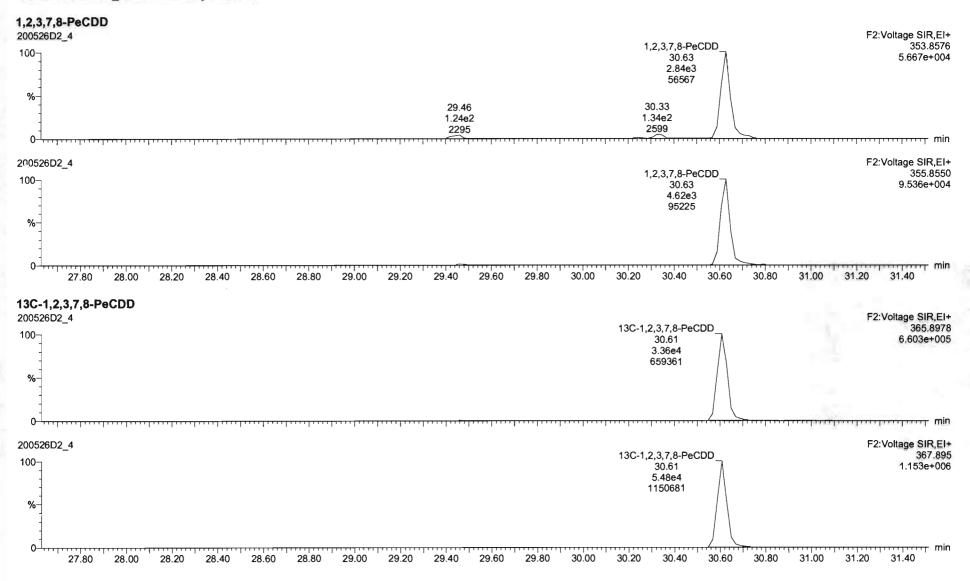


Quantify Sam Vista Analytica		Page 28 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

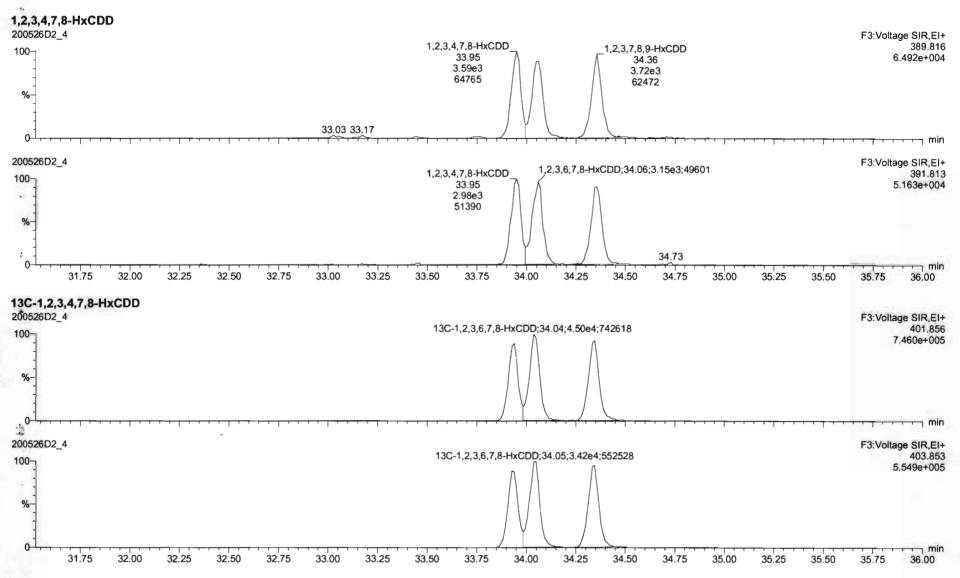


Work Order 2001155

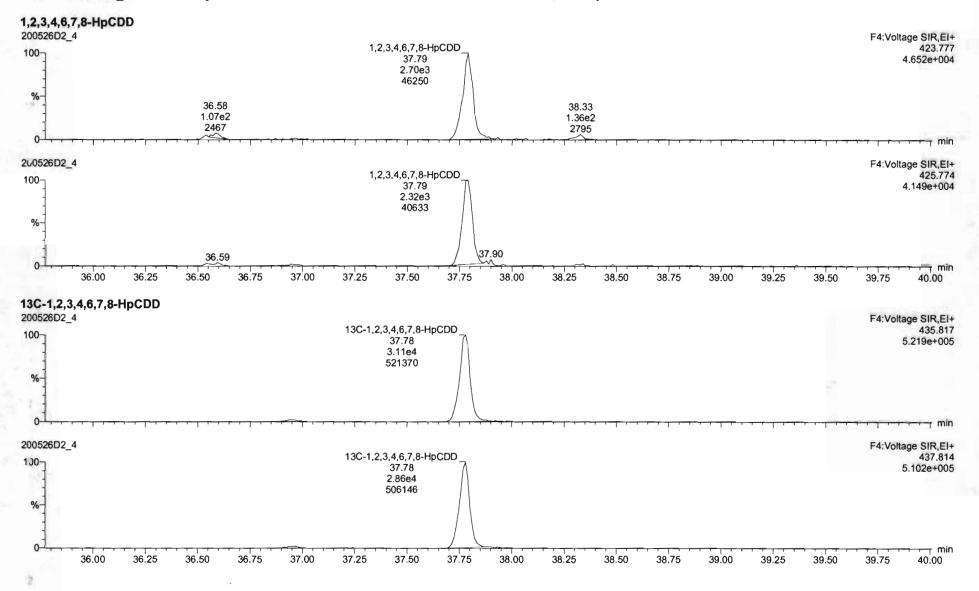
Quantify Sam Vista Analytica		Page 29 of 78
Dataset:	U:\VG7.PR0\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



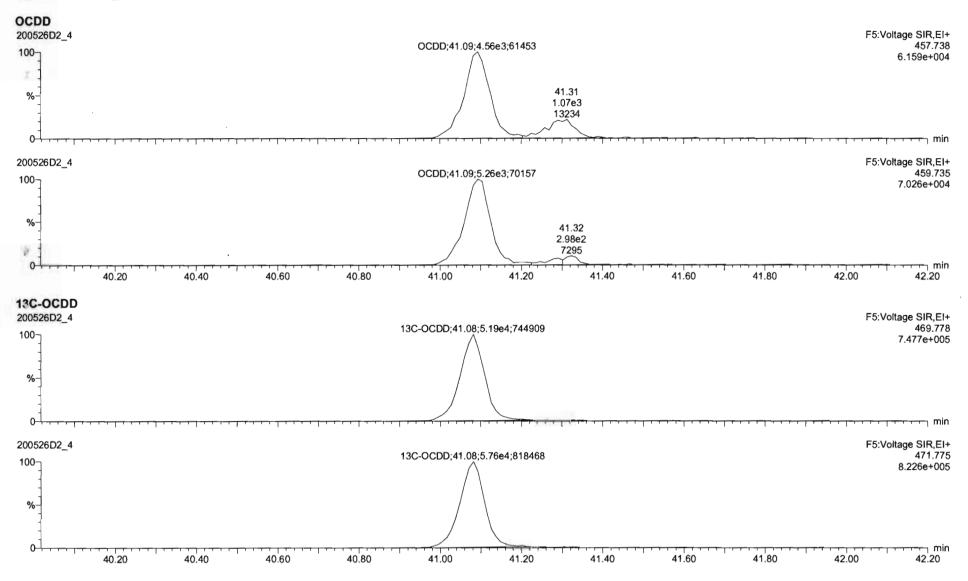
Quantify Sam Vista Analytica		Page 30 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



Quantify Sam Vista Analytica		Page 31 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

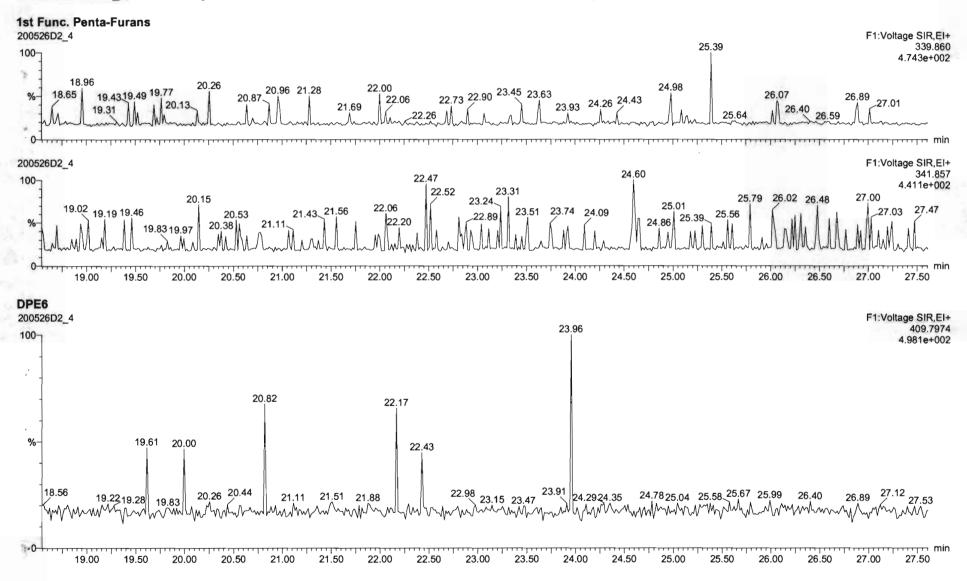


Quantify Sam Vista Analytica		Page 32 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

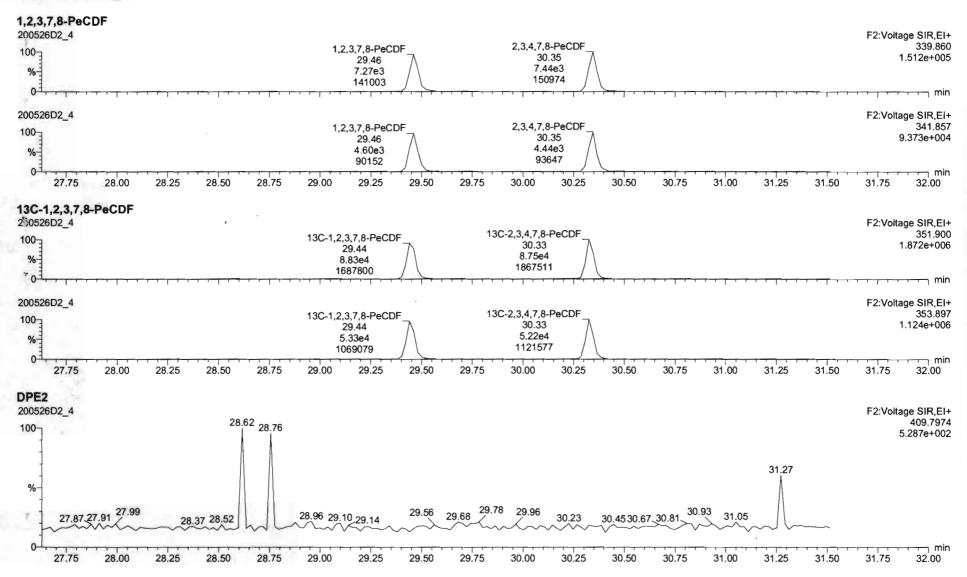


	n ple Report al Laboratory	MassLynx 4.1									Page 33 o
ataset:	U:\VG7.PRO\	Results\200526D2\20)0526D2_CRV.qld								
st Altered: inted:		May 27, 2020 11:41:1 May 27, 2020 11:42:0									
ame: 20052	6D2_4, Date: 20	3-May-2020, Time: 2	2:27:45, ID: ST200	526D2-3 16	13 CS2 20E07)6, Descripti	ion: 1613 CS2	20E0706			
,7,8-TCDF											
0526D2_4							2,3,7,8- 25. 1.16 177	12 e3	60		F1:Voltage SIR 303.9 1.788e+
1F0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							25	<u>لىبىايىنىلر</u> 80.		
0526D2_4							2,3,7,8- 25.4 1.67 253	1 e3			F1:Voltage SIR 305 2.550e+
									· · · · · · · · · · · · · · · · · · ·		**************
19.0		20.00 20.50 21.0	00 21.50 22.00	22.50	23.00 23.50	24.00	24.50 25.0) 25.50	26.00	26.50	27.00 27.50
19.0 C-2,3,7,8-T 526D2_4		20.00 20.50 21.0	0 21.50 22.00		23.00 23.50 ,4-TCDF;24.22;7.5		24.50 25.0 13C-2,3,7,8- 25.39 7,95e4 1355442		26.00	26.50	27.00 27.50 F1:Voltage SIR 315.9 1.363e+
19.0 C-2,3,7,8-T 0526D2_4 0 0 0 0 0 0 0 0 0 0 0 0 0				13C-1,2,3,		5e4;1123690	13C-2,3,7,8- 25.39 7.95e4	CDF	· 26.00 ·	26.50	
19.0 C-2,3,7,8-T 0526D2_4 0 0 0 0 0 0 0 0 0 0 0 0 0	·····	20.00 20.50 21.0		13C-1,2,3, 	,4-TCDF;24.22;7.5	5e4;1123690	13C-2,3,7,8- 25.39 7.95e4 1355442 13C-2,3,7,8- 25.39 1.03e5	CDF			27.00 27.50 F1:Voltage SIR 315.9 1.363e+ F1:Voltage SIR 317 1.764e+
19.0 C-2,3,7,8-T 0526D2_4 0 0 0 0 0 0 0 0 0 0 19.0 0 0 19.0 0 0 19.0 0 0 19.0 0 0 19.0 0 0 19.0 0 0 19.0 0 0 19.0 0 0 19.0 0 0 19.0 0 19.0 0 19.0 0 19.0 0 19.0 0 19.0 0 19.0 0 19.0 0 19.0 0 19.0 0 19.0	·····			13C-1,2,3, 	,4-TCDF;24.22;7.5 	5e4;1123690	13C-2,3,7,8- 25.39 7.95e4 1355442 13C-2,3,7,8- 25.39 1.03e5 1755983	CDF	••••••••		27.00 27.50 F1:Voltage SIR 315.9 1.363e+ F1:Voltage SIR 317 1.764e+ 27.00 27.50
19.0 C-2,3,7,8-T D526D2_4 0 0 0 0 0 0 0 0 0 0 0 0 0	·····			13C-1,2,3, 	,4-TCDF;24.22;7.5 	5e4;1123690	13C-2,3,7,8- 25.39 7.95e4 1355442 13C-2,3,7,8- 25.39 1.03e5 1755983	CDF CDF 0 25.50	+,++++++++++++++++++++++++++++++++++++		27.00 27.50 F1:Voltage SIR 315.9 1.363e+ F1:Voltage SIR 317, 1.764e+ 27.00 27.50 F1:Voltage SIR 375.8
C-2,3,7,8-T 0526D2_4 0 0 0 0 0 0 0 0 0 0 0 2 6 0 2 6 0 2 4	•••••			13C-1,2,3,	,4-TCDF;24.22;7.5 	5e4;1123690	13C-2,3,7,8- 25.39 7.95e4 1355442 13C-2,3,7,8- 25.39 1.03e5 1755983	CDF	+,++++++++++++++++++++++++++++++++++++		27.00 27.50 F1:Voltage SIR 315.9 1.363e+ F1:Voltage SIR 317 1.764e+

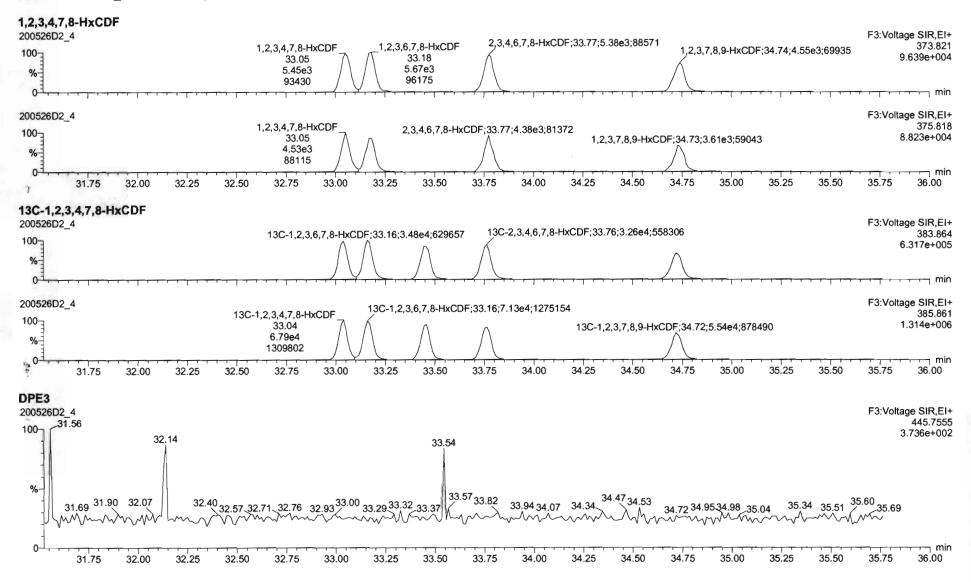
Quantify San Vista Analytica		Page 34 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



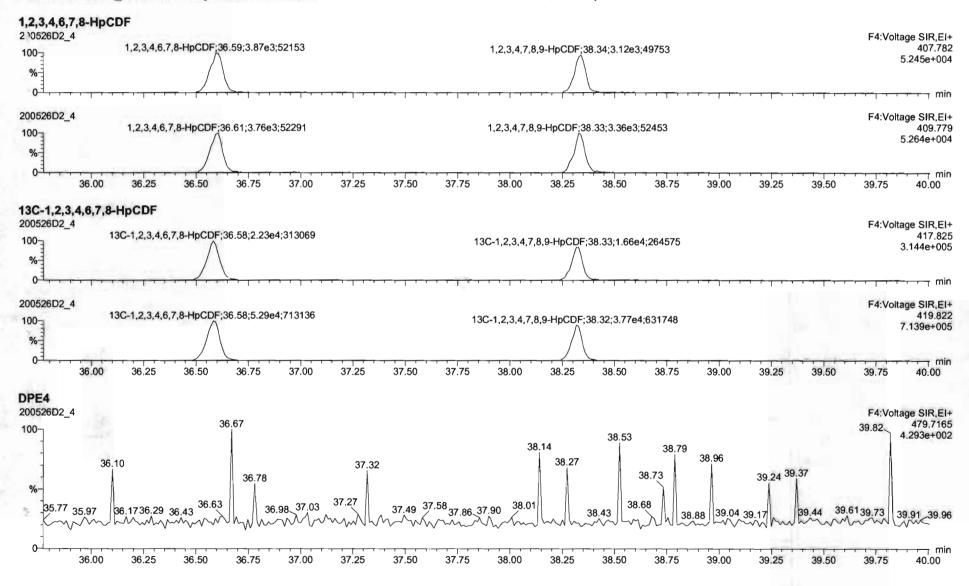
Quantify Sam Vista Analytica		Page 35 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
Printed:	Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

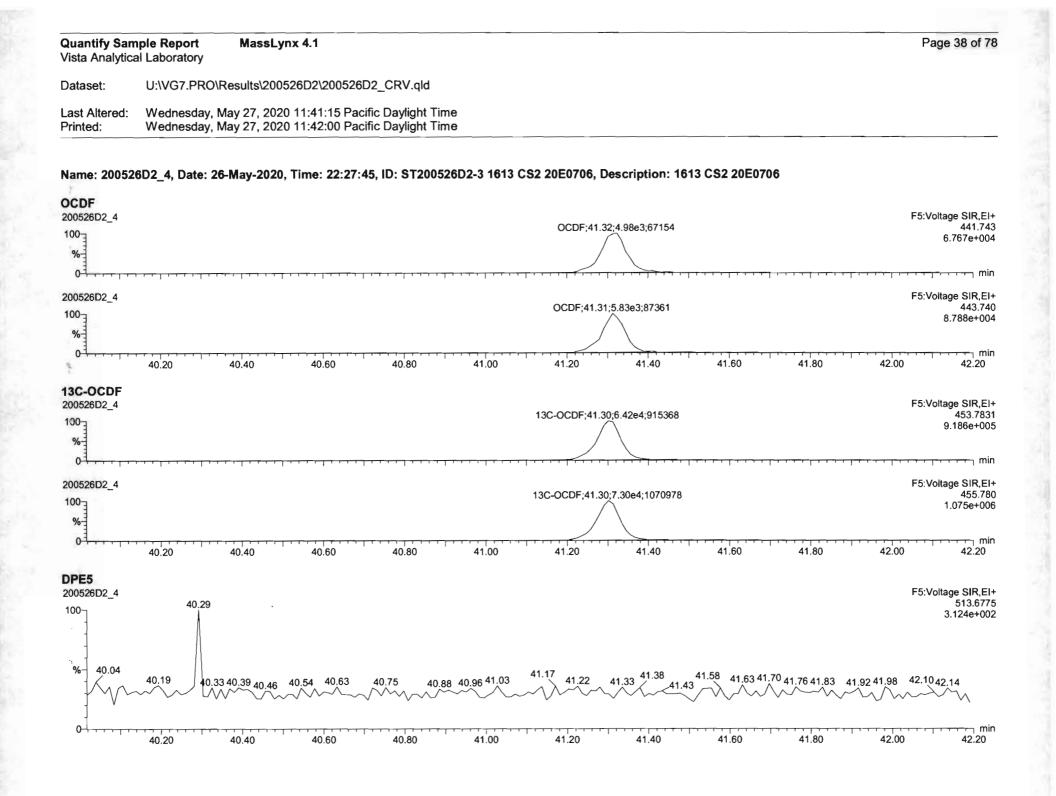


Quantify Sam Vista Analytica		Page 36 of 78
Pataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



Quantify Sam Vista Analytica		Page 37 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	





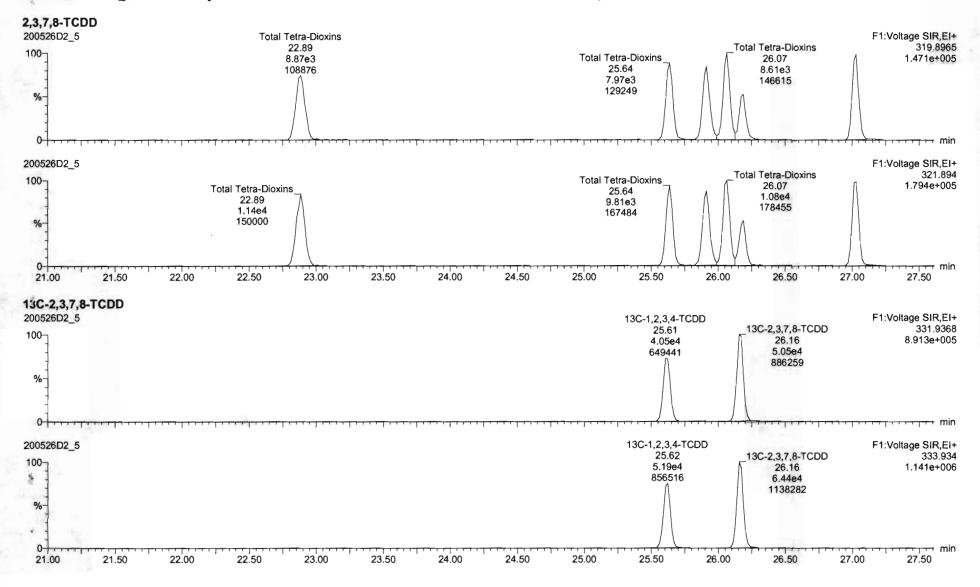
Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

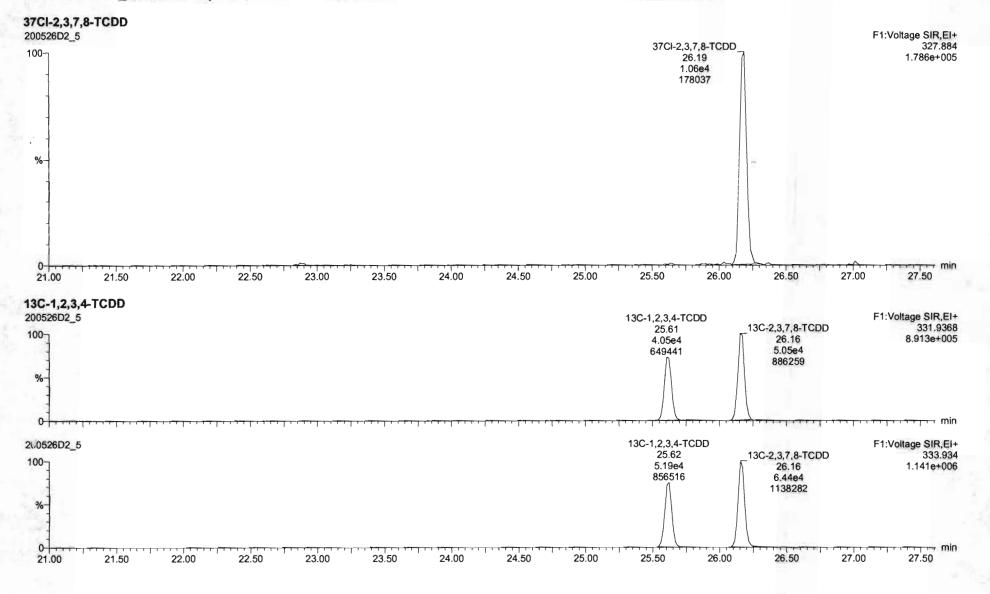
PFK1 200526D2_4 100_18_91_19.43;2.28e3;3870	20.88;9.55e2;43084	21.60:2.97e3:58988 22.12;	1.39e3;46621 23.18	24.69;2.50e3;55819	25.38;5.39e3;718	25.94	F1:Voltage SIR,EI+
100 18.91 19.43;2.28e3;387(%	- managamanad		Mar Mar Mar Mar	margan	25.38;5.39e3;7188 £WW~~~ <u>~</u> W	non formant 2	7.04 27.15 316.9824 2087e+005
0 4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20.00 20.50 21.0	0 21.50 22.00 2	22.50 23.00 23.50	24.00 24.50	25.00 25.50	26.00 26.50	27.00 27.50 min
PFK2 200526D2_4							F2:Voltage SIR,EI+
100-27.63 28.01;1.54e3;3552 %	21 28.43;1.72e3;57732	28.90.28.94 29.06 29.22	29.56;2.42e3;36370 29	9.96;2.36e3;45515 30.17	;7.78e2;38578 30.	71 30.77 30.99 31.07	31.35 366.9792 31.35 2.467e+005
0 ⁻¹	28.20 28.40 28.60	28.80 29.00 29.20	29.40 29.60 29.	80 30.00 30.20	30.40 30.60	30.80 31.00 3	31.20 31.40
PFK3 200526D2_4 10032.00;8.40e3;160 %-	32.38 32.49 32.58	32.92 33.00 33.31;4.84e3;11	8954 33.61 33.98	34.13 34.28 ^{34.84;3.9}	0e3;115598 35.11;4,	35e3;87298 35.60	F3:Voltage SIR,EI+ 380.9760 1.332e+006
31.75 32.00	32.25 32.50 32.	75 33.00 33.25	33.50 33.75 34.0	0 34.25 34.50	34.75 35.00	35.25 35.50	35.75 36.00
PFK4 200526D2_4 10035.9936.07 %	36.42 36.58 36.87;1.67e3;	93070 37.26 37.41 37.	57 37.72 37.93 3	8.24 38.49;1.21e3;731;	29 38.72 38.93 39.00	3 39.25 39.57;4.52e3	F4:Voltage SIR,EI+ 9;91291 430.9728
0 ¹ E			<u>, , , , , , , , , , , , , , , , , , , </u>				······································
36.00 36.25	36.50 36.75	37.00 37.25 37.50	37.75 38.00	38.25 38.50	38.75 39.00	39.25 39.50	39.75 40.00
PFK5 200526D2_4 10040.09_40.25;3.89e2;35:	353 40.43 40.53 40.63;2.2	6e3;55227 40.97;3.10e3;5393	35 41.14;8.53e2;46271	41.24 41.40 41.55	;9.31e2;63483 41	.75 41.88 41.95 41.0	F5:Voltage SIR,EI+ 99 42,06 454.9728 42,714e+005
%							
0 1 40.20	40.40 40.6) 40.80	41.00 41.20	41.40	41.60	41.80 42.	00 42.20

Page 40 of 78	78

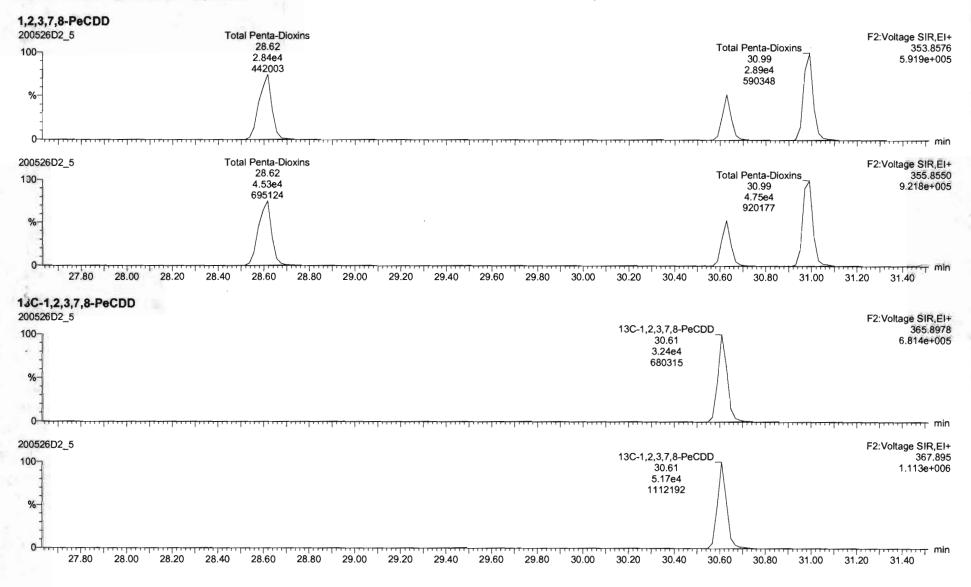


Work Order 2001155

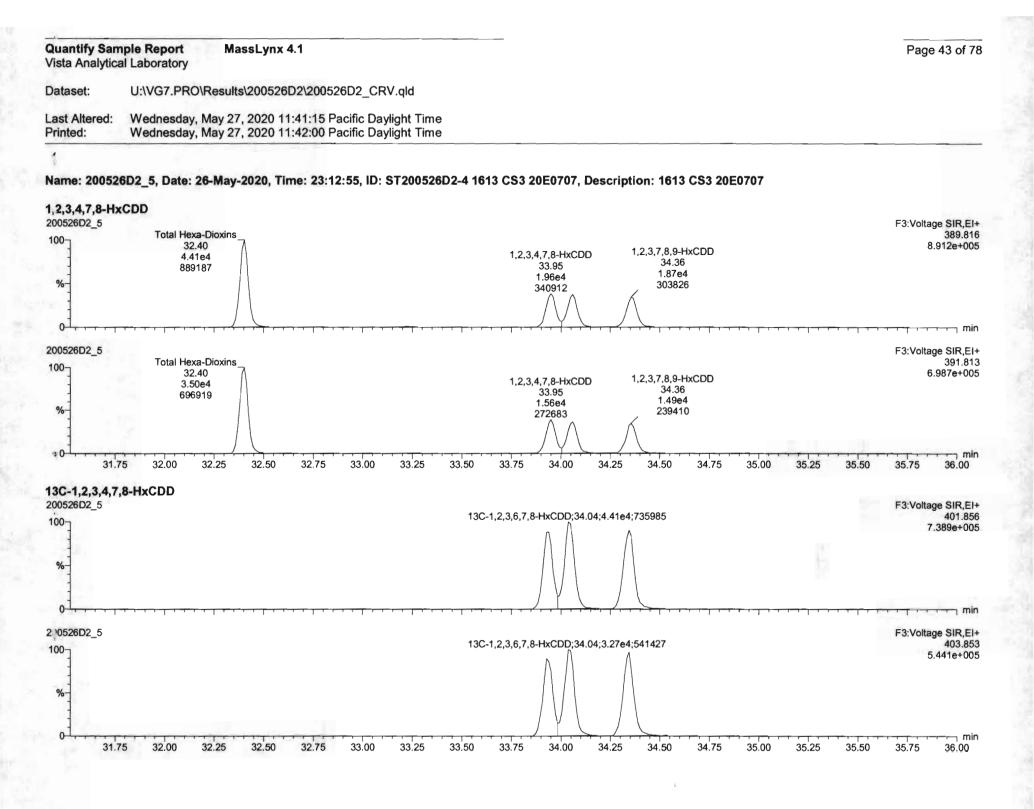
Quantify Sam Vista Analytica		Page 41 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



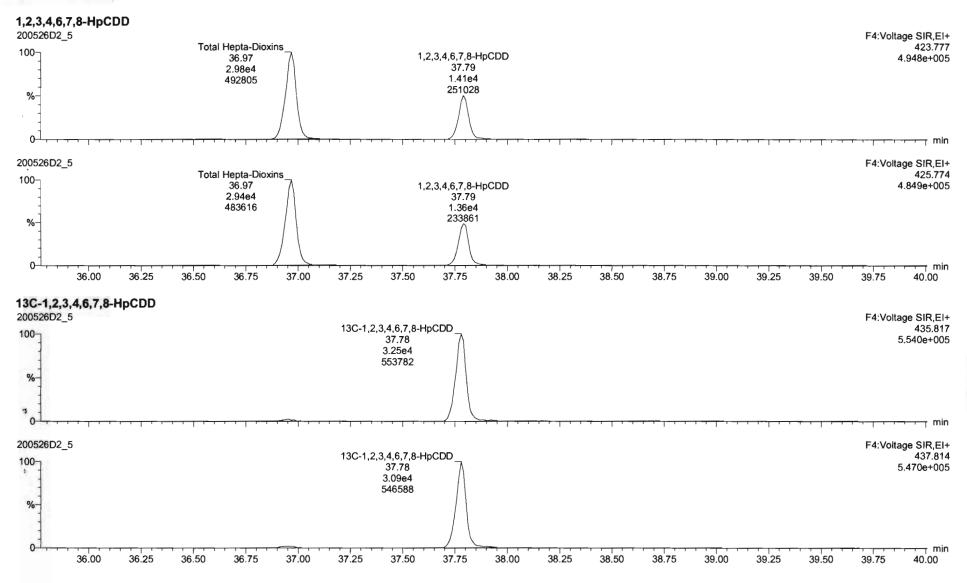
Quantify San Vista Analytica		Page 42 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



.

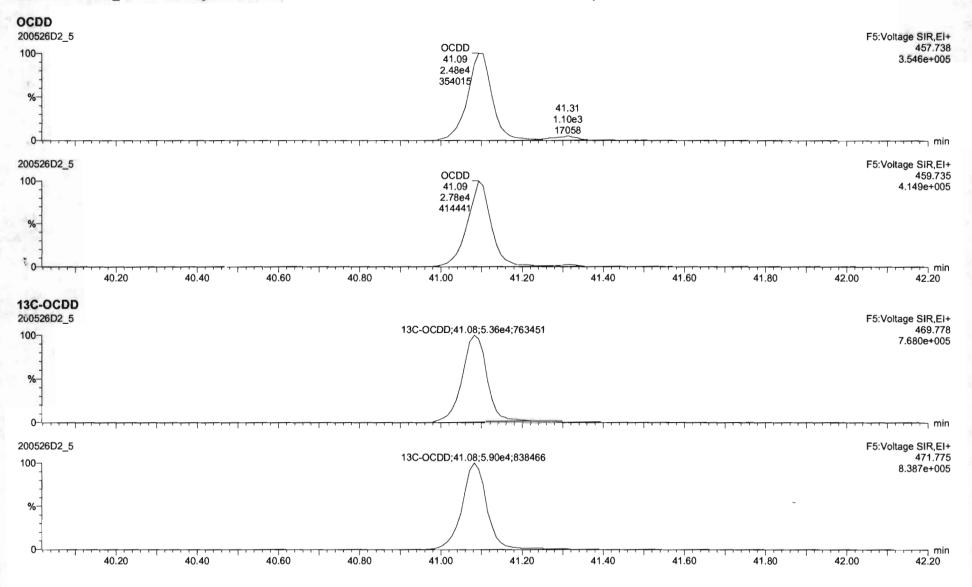


Quantify Sam Vista Analytica		Page 44 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

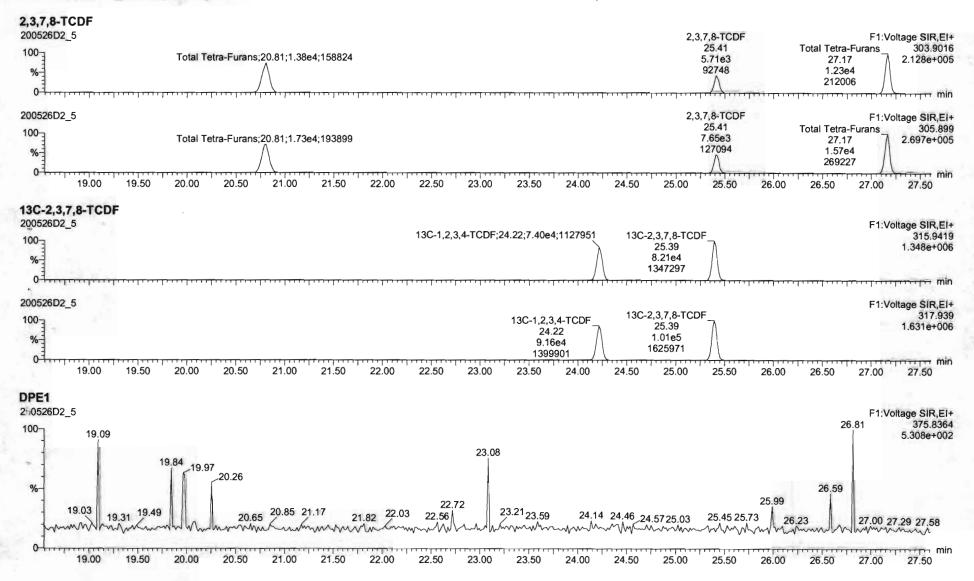


Work Order 2001155

Quantify Sam Vista Analytica		Page 45 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



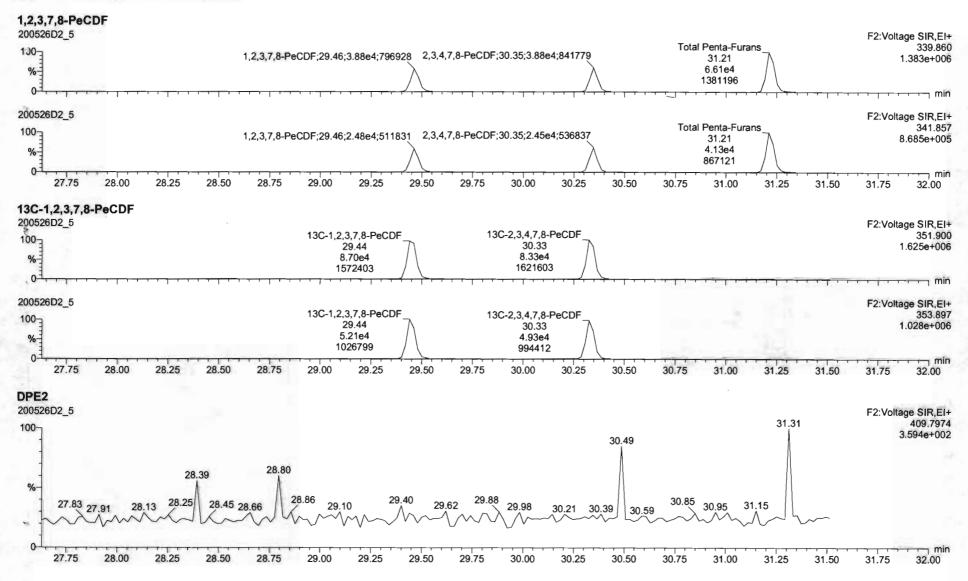
Quantify San Vista Analytica		Page 46 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



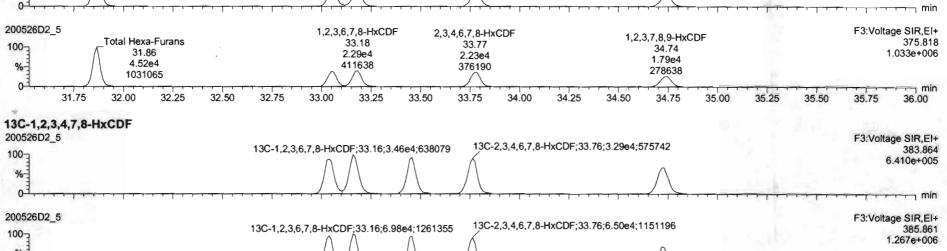
Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707 1st Func. Penta-Furans 200526D2_5 12 200526D2_5 12 12 12 12 12 12 12 12 12 12	Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1	Page 4
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time Name: 20052602_5, Date: 26-May-2020, Time: 23:12:55, ID: ST20052602-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707 1st Func. Penta-Furans 21:12 21:12 21:12 21:12 21:12 21:12 21:12 21:12 21:12 21:12 21:12 21:12 21:12 21:12 21:12 21:1 21:12 21:12 21:1	and the second se	
Name: 20052602_5, Date: 26-May-2020, Time: 23:12:55, ID: ST20052602-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707 1st Func. Penta-Furans 2005202_5 10 4 20052502_5 10 12 20052502_5 10 12 20052502_5 10 10 10 10 10 10 10 10 10 10	Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time	
$\begin{array}{c} \text{fs Func. Penta-Furans} \\ 20052602_{2} \\ 10 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} 1 \\ 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\$		
20052602_5 10 151 Func. Pents-Funss 27.12 1.2 1.2 1.2 1.2 1.2 1.2 1.2	Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 161	13 CS3 20E0707, Description: 1613 CS3 20E0707
100 101 102 102 102 102 102 102	1st Func. Penta-Furans	
21.12 7.1664 1200186 120022602_5 131 Func. Pents Func. Pents Func		1st Func. Penta-Furans
$\begin{array}{c} \mathbf{x}_{1} \\ \mathbf{y}_{2} \\ \mathbf{y}_{1} \\ \mathbf{y}$		7.16e4
200526D2_5 10 10 10 10 10 10 10 10 10 10	%	1290186
$20052602_{2}5$ 100^{-1} 19.00 19.50 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27 27 27 27 27 27 27 27		
$20052602_{2}5$ 100^{-1} 19.00 19.50 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27 27 27 27 27 27 27 27	0	
100 115 Func. Penta-Furans 27, 12 4, 3984 782865 7, 85 20, 00 19, 50 19, 50 19, 50 19, 50 19, 67 18, 93 19, 67 18, 93 19, 67 18, 93 19, 67 18, 93 19, 67 18, 93 19, 67 19, 67 21, 8522, 11 21, 8522, 11 21, 8522, 11 22, 15 22, 20 22, 50 23, 50 24, 50 24, 50 24, 50 24, 50 25, 50 25, 50 26, 00 26, 50 26, 00 26, 50 27, 00 27, 14 4, 92 25, 01 25, 01 26, 00 26, 50 27, 10 27, 14 4, 92 25, 01 25, 01 25, 01 25, 01 26, 00 26, 50 27, 00 27, 10 21, 8522, 11 21, 8522, 11 21, 8522, 11 22, 15 22, 25 22, 96 23, 19 23, 86, 23, 94 24, 48 25, 01 24, 48 25, 38 25, 85 26, 03 26, 55 27, 00 27, 27 27, 27 27, 28 27, 10 27, 28 27, 10 24, 48 25, 01 24, 48 25, 03 25, 55 26, 03 26, 55 27, 00 27, 28 27, 28 28, 28 28, 28, 28, 28, 28, 28, 28, 28, 28, 28,	200526D2 5	
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} $		1st Func. Penta-Furans_
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array}{0} \\ $ \\ {0} \\ \end{array}{0} \\ \end{array}{0} \\ \end{array}{0} \end{array}{0} \\ \end{array}{0} \end{array}{0} \\ \end{array}{0} \end{array}{0} \end{array} \\{0} \end{array} \\{0} \\ \end{array}{0} \end{array}{0} \\ \end{array}{0} \end{array}{0} \\ \end{array}{0} \end{array} {0} \\ \end{array}{0} \end{array} \\{0} \\ \end{array}{0} \end{array}{0} \\ \end{array}{0} \end{array}{0} \\{0} \\ \end{array}{0} \end{array}{0} \\{0} \\{0} \\{0} \\{0} \\ \end{array}{0} \end{array}{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\ \end{array}{0} \end{array}{0} \\{0} \\{0} \\{0} \\ \end{array}{0} \end{array}{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\\bigg{0} \end{array}{0} \\\bigg{0} \\{0} \\\bigg{0} \end{array}{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\\bigg{0} \\{0} \\{0} \\\bigg{0} \\{0} \\{0} \\{0} \\\bigg{0} \bigg{0} \\\bigg{0} \\\bigg		4.39e4
$\begin{array}{c} 19:00 & 19:50 & 20:00 & 20:50 & 21:00 & 21:50 & 22:00 & 22:50 & 23:00 & 23:50 & 24:00 & 24:50 & 25:00 & 25:50 & 26:00 & 26:50 & 27:00 & 27\\ \hline \\ \textbf{DPE6}\\ 200526D2_5\\ \hline \\ 100 \\ \hline \\ 18:93 \\ \hline \\ 18:86 \\ 19:00 \\ 19:49 \\ \hline \\ 19:66 \\ 19:00 \\ \hline \\ 19:66 \\ 19:60 \\ \hline \\ 19:66 \\ 19:60 \\ \hline \\ 19:60 \\ $	%	
$\begin{array}{c} 19:00 & 19:50 & 20:00 & 20:50 & 21:00 & 21:50 & 22:00 & 22:50 & 23:00 & 23:50 & 24:00 & 24:50 & 25:00 & 25:50 & 26:00 & 26:50 & 27:00 & 27\\ \hline \\ \textbf{DPE6}\\ 200526D2_5\\ \hline \\ 100 \\ \hline \\ 18:93 \\ \hline \\ 18:86 \\ 19:00 \\ 19:49 \\ \hline \\ 19:66 \\ 19:00 \\ \hline \\ 19:66 \\ 19:60 \\ \hline \\ 19:66 \\ 19:60 \\ \hline \\ 19:60 \\ $		
DPE6 200526D2_5 100 20.64 19.67 18.93 19.67 18.93 19.67 18.93 19.67 21.8522.11 23.53 24.48 25.01 24.63 25.38 25.85 26.03 26.55 27.00 27.21 23.53 25.01 25.01 25.01 25.01 25.38 25.85 26.03 26.55 27.00 27.22 27		
$200526D2_{2}5$ $100 - 20.64 + 26.33 + 21.8522.11 + 23.53 + 25.85 + 26.03 + 26.55 + 27.00 + 27.24 + 48 + 25.01 + 25.0$	August 1	23.00 23.30 24.00 24.30 23.00 23.30 26.00 26.50 27.00 27
$\begin{array}{c} 27.14 & 4 \\ 4.94 \\ 26.33 \\ 19.67 \\ 18.93 \\ 18.86 & 19.00 \\ 19.49 & 19.86 \\ 19.00 & 19.49 \\ 19.86 \\ 19.00 & 19.49 \\ 19.86 \\ 19.00 & 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 20.78 \\ 20.84 \\ 21.37 \\ 21.78 \\ 22.15 \\ 22.56 \\ 23.19 \\ 23.86 \\ 23.94 \\ 24.20 \\ 24.63 \\ 25.38 \\ 25.85 \\ 26.03 \\ 26.55 \\ 27.00 \\ 10.0$	DPE6 200526D2_5	F1:Voltage
$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$	100-7	27.14 4
$\begin{array}{c} 19.67 \\ 18.93 \\ 18.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.07 \\ 20.33 \\ 20.78 \\ 20.84 \\ 21.37 \\ 21.78 \\ 22.15 \\ 22.56 \\ 23.19 \\ 22.15 \\ 22.56 \\ 23.19 \\ 23.86 \\ 23.94 \\ 24.20 \\ 24.63 \\ 25.38 \\ 25.38 \\ 25.85 \\ 26.03 \\ 26.55 \\ 27.00 \\ 40 \\ 40 \\ 40 \\ 40 \\ 40 \\ 40 \\ 40 \\$	20.64	
$\begin{array}{c} 21.8522.11 \\ \hline \\ 18.93 \\ \hline \\ 18.86 \\ \hline \\ 19.00 \\ \hline \\ 19.49 \\ \hline \\ 19.00 \\ 19.49 \\ \hline \\ 19.86 \\ 19.07 \\ 20.33 \\ 20.78_{20.84} \\ 21.37 \\ 21.78 \\ \hline \\ 22.15 \\ 22.56 \\ \hline \\ 22.96 \\ 23.19 \\ \hline \\ 23.86 \\ 23.94 \\ 24.63 \\ \hline \\ 25.38 \\ 25.85 \\ 26.03 \\ 26.55 \\ 27.00 \\ \hline \\ \\ 27.26 \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $		26.33
⁵ % 18.93 18.86 19.00 19.49 19.86 19.97 ^{20.33} 20.78 _{20.84} 21.37 ^{21.78} 22.15 22.56 ^{22.96} 23.19 18.86 19.00 19.49 19.86 19.97 ^{20.33} 20.78 _{20.84} 21.37 ^{21.78} 22.15 22.56 ^{23.94} 24.20 24.63 25.38 25.85 26.03 26.55 27.00 27.26 18.86 19.00 19.49 19.86 19.97 ^{20.33} 20.78 _{20.84} 21.37 ^{21.78} 22.15 22.56 23.19 23.86 ^{23.94} 24.20 24.63 25.38 25.85 26.03 26.55 27.00 27.26 18.90 19.49 19.86 19.97 ^{20.33} 20.78 _{20.84} 21.37 ^{21.78} 22.15 22.56 23.19 23.86 ^{23.94} 24.20 24.63 25.38 25.85 26.03 26.55 27.00 47.26 18.90 19.49 19.90 19.49 19.86 19.97 ^{20.33} 20.78 _{20.84} 21.37 ^{21.78} 22.15 22.56 23.19 23.86 ^{23.94} 24.20 24.63 25.38 25.85 26.03 26.55 27.00 47.26 18.90 19.49 19.90 19.49 19.90 19.49 19.90 19.49 19.90 19	19.67 21.8522.11	23.53
18.86 19.00 19.49 19.86 19.97 20.33 20.7820.84 21.37 21.78 22.15 22.96 23.19 23.86 23.94 24.63 25.38 25.38 25.85 26.03 26.55 27.00 27.26 0		27.11
18.86 19.00 19.49 19.86 19.97 20.33 20.7820.84 21.37 21.78 22.15 22.96 23.19 23.86 23.94 24.63 25.38 25.85 26.03 26.55 27.00 27.26 18.86 19.00 19.49 19.86 19.97 20.33 20.7820.84 21.37 21.78 22.15 22.96 23.19 23.86 24.63 25.38 25.35 26.03 26.55 27.00 27.26 0 <td>·_%18.93</td> <td>25.01</td>	· _% 18.93	25.01
		24,48
	18.86 19.00 19.49 19.86 19.97 20.33 20.78 20.84 21.37 21.78 22.15 22.56 22	.96 23,19 23,86,23,94 24 20 24.63 25,38 25,85 26 03 26,55 27,00 27.26
0	from the man have the man the man the man the man	Mr. M.
		23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27
Work Order 2001155 Page 397 of	Work Order 2001155	

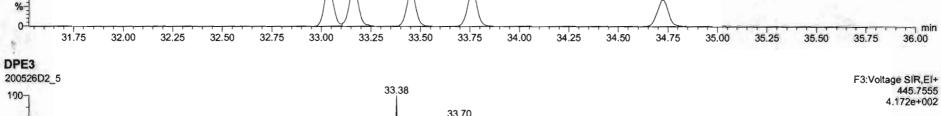
	ample Report tical Laboratory	MassLynx 4.1	
Dataset:	U:\VG7.PRO\I	\Results\200526D2\200526D2_CRV.qld	

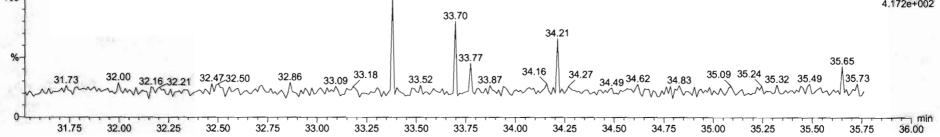
Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time



Vista Analytica	al Laboratory MassLynx 4	l.1			Page 49 of 78
Dataset:	U:\VG7.PRO\Results\290526E	02\200526D2_CRV.qld			
Last Altered: Printed:	Wednesday, May 27, 2020 11 Wednesday, May 27, 2020 11				
Name: 20052	6D2_5, Date: 26-May-2020, Tin	ne: 23:12:55, ID: ST200526D2	-4 1613 CS3 20E0707, Desc	cription: 1613 CS3 20E0707	
1,2,3,4,7,8-Hx					F3:Voltage SIR Elt
Name: 20052 1,2,3,4,7,8-Hx 200526D2_5 100 ₇		ne: 23:12:55, ID: ST200526D2 1,2,3,6,7,8-HxCDF 33.18 2.85e4	-4 1613 CS3 20E0707, Desc 2,3,4,6,7,8-HxCDF 33.79 2.79e4	cription: 1613 CS3 20E0707 1,2,3,7,8,9-HxCDF 34,74	F3:Voltage SIR,EI+ 373.821 1.216e+006



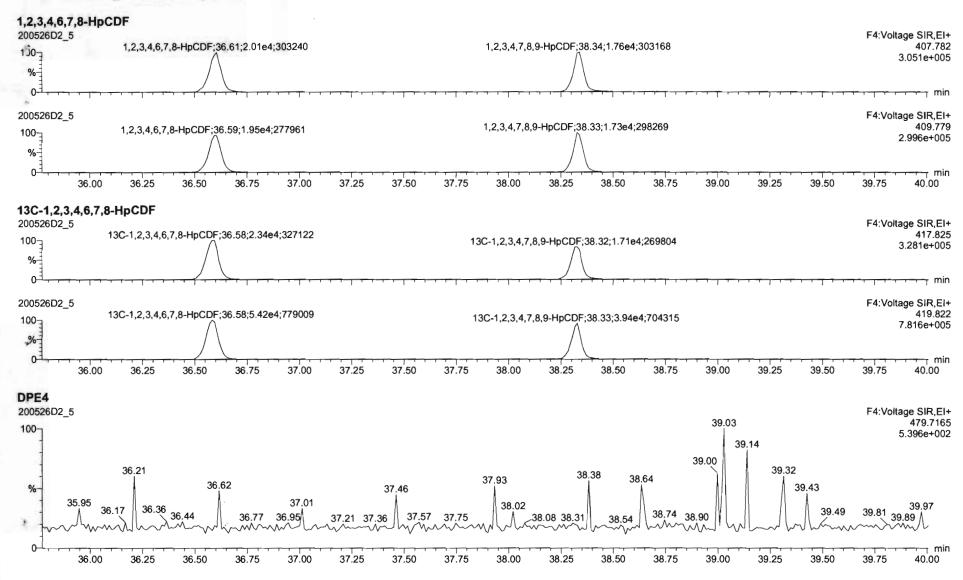




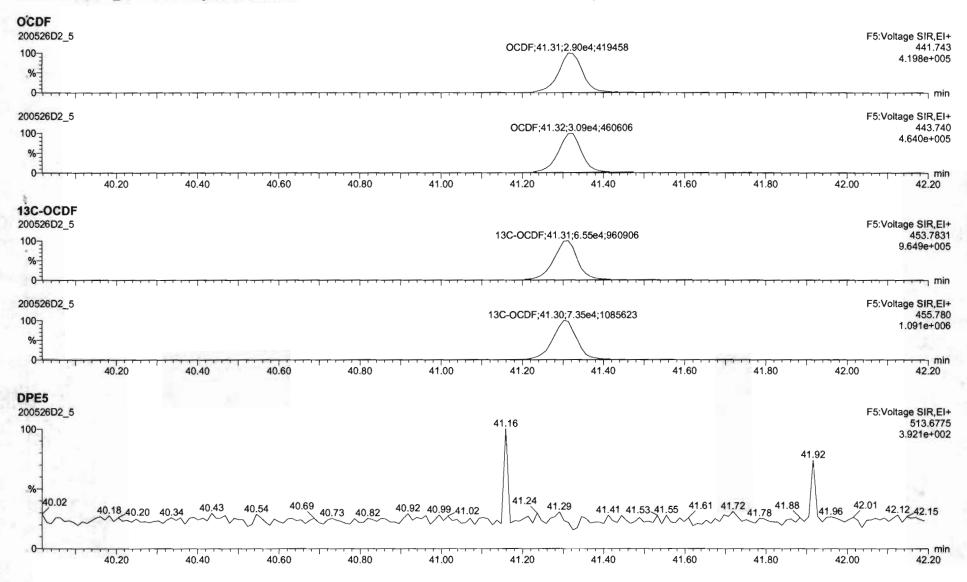
Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

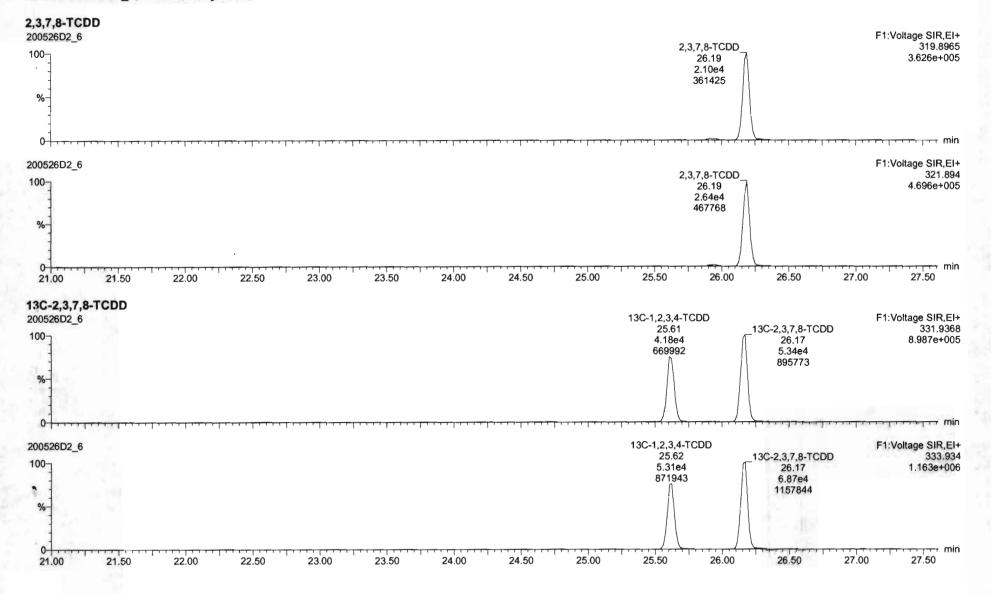


Quantify San Vista Analytica		Page 51 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

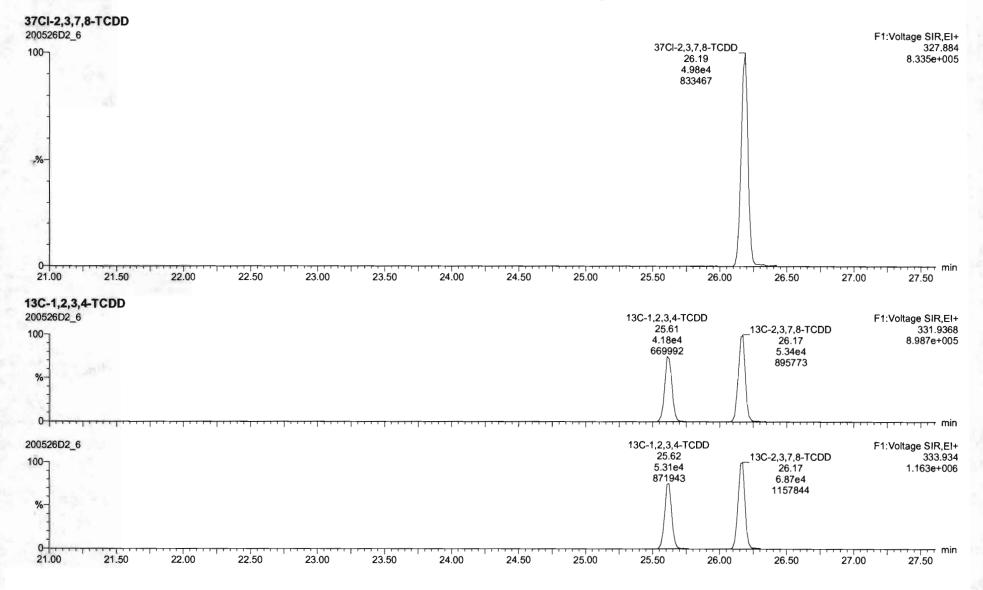


uantify Sam ista Analytica		MassLynx 4.1									Pa	ge 52 of 7
ataset:	U:\VG7.PRO\	Results\200526D2	200526D2_CRV	.qld								
ast Altered: rinted:		May 27, 2020 11:4 May 27, 2020 11:4										
me: 200526	8D2 5 Date: 2	6-May-2020, Time	· 23·12·55 ID: ST	F200526D2-4 1	613 (\$3 205		intion: 161	CS3 20E0	/07			
K1		-may-LoLo, mile	. 20. 12.00, 10. 0		010 000 201			000 2020	07			
10526D2_5	19.19 19.75 20	24;2.64e3;41167	21.77;3.68e2	2;24004 22.27;4.9; ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2e3;66277 23.; 	25;5.5 4e3;6438 1 ᠬᠬ᠕	24.48		69e3;41898	0.95;3.13e3;4 		tage SIR,EI 316.982 ∕2:9≄)+00
0-1	0 19.50 2	20.00 20.50 2	1.00 21.50	22.00 22.50	23.00 2	3.50 24.00	24.50	25.00 25	50 26.00	26.50	27.00	27.50 mi
FK2 0526D2_5		00.7	6.4.07-2.49070	20 20:4 05-2:29	29.64		30.08·3.75e	3:39353			F2:Vol	tage SIR,EI
m	28.3	;1.71e3;35969 28.7	6;1.97e3;48070 29.0	29.30;1.05e3;38	20.09 20.04 2	9.88;2.97e3;359	48	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1;1.72e3;4426	101	31.19	366.979 2.376e+00
6												
27.80	28.00 28.3	20 28.40 28.60	28.80 29.00	29.20 29.4	40 29.60	29.80 30.0	0 30.20	30.40 30	.60 30.80	31.00		1.40 mi
K3 0526D2_5 0-31.59	32.24;5.3	4e3;117395 32.63	32.89 33.09 33.	35;1.84e3;106678	33.71 33.91	33.99 34.30;2.45	ie3;126573	34.87;5.45e3;	135079.35.08	35.41 35.5	F3:Vol 235.73	tage SIR,EI 380.976 1.302e+00
%						•		_	1			1.3020+00
0 ⁻¹	5 32.00 3	32.25 32.50	32.75 33.00	33.25 33.50	33.75	34.00 34.2	5 34.50	34.75	35.00 35.2	5 35.50	35.75	
FK4 0526D2_5	36.09 36.39	36.62;6.71e2;61505	37.01 37.24	37.59;2.73e3;12	5614 ^{38.04}	38.24 38.30	38.37 38.1	5838.80 39.	39.48;8.23e2	;56157	F4:Vol	tage SIR,E 430.972
%					•							0.2900+00
0 ⁻¹	00 36.25	36.50 36.75	37.00 37.25	37.50 3	7.75 38.00	38.25	38.50	38.75 39.	00 39.25	39.50	39.75	40.00
K5												
0526D2_5	40.20 40.27	40.39 40.48 40.53	40.63 40.84;1.	55e3;51510 40.99	41.08.41.10	41.41;1.96e3;64	454 41.49	41.52	41.74 41	.85 41.87 4		tage SIR,EI 454.972 4.601e+00
%												
0												

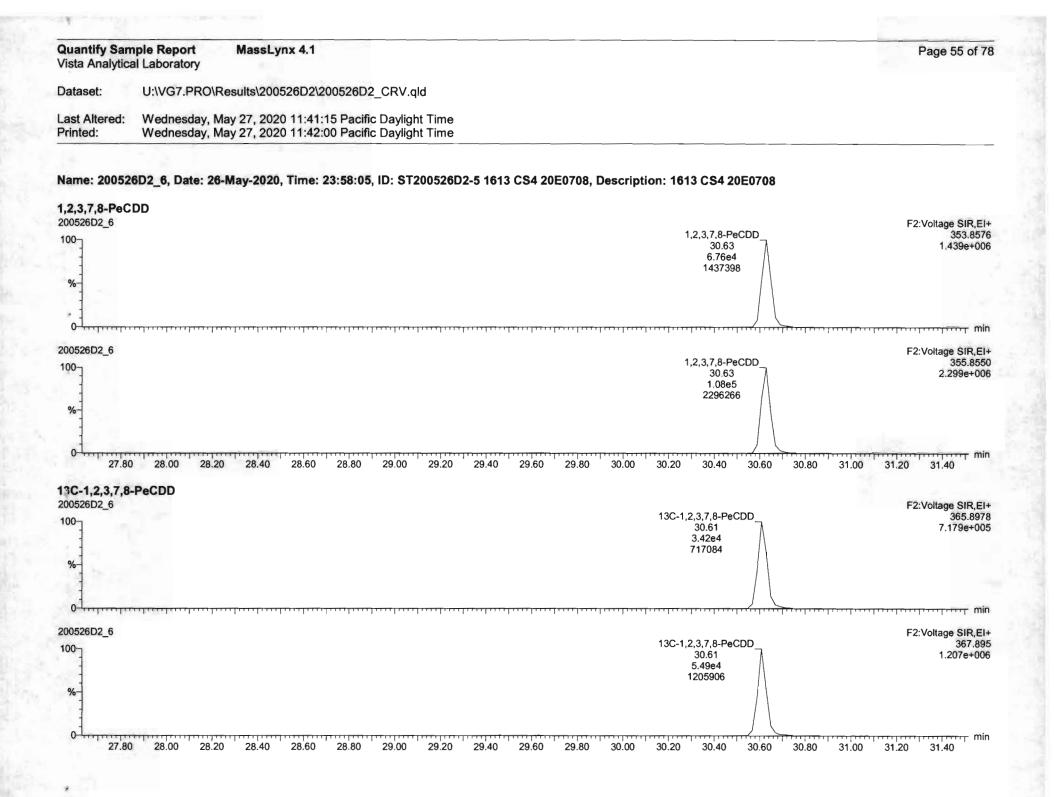
Quantify Sam Vista Analytica		Page 53 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

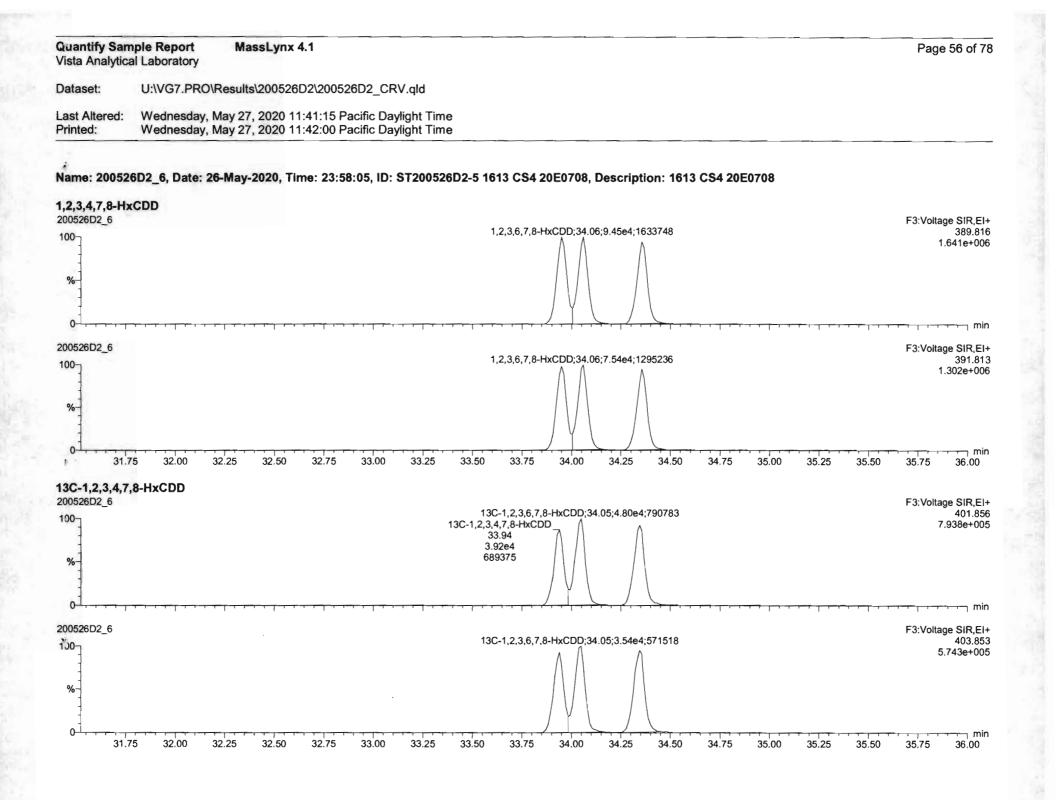


Quantify San Vista Analytica		Page 54 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

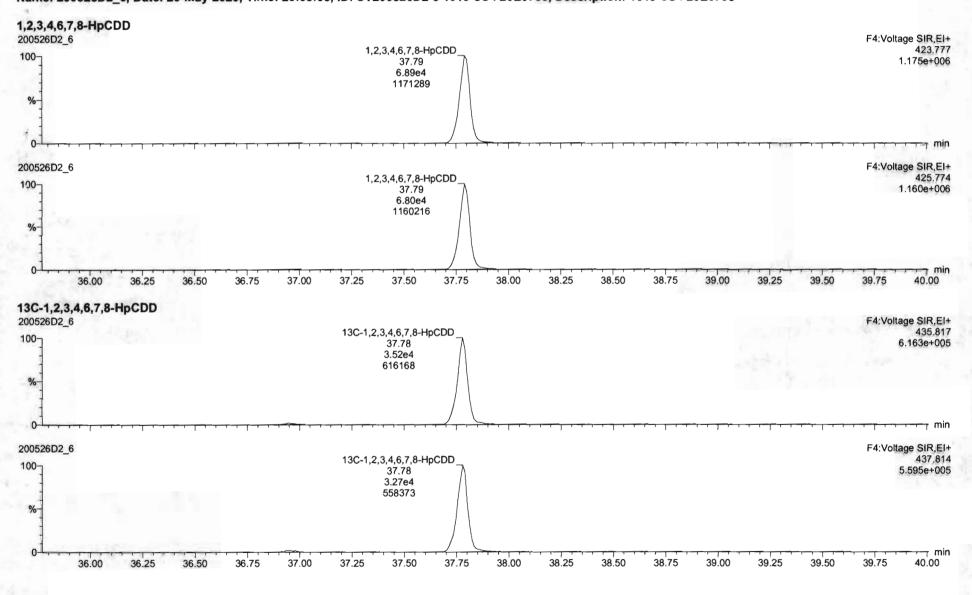


Page 404 of 638

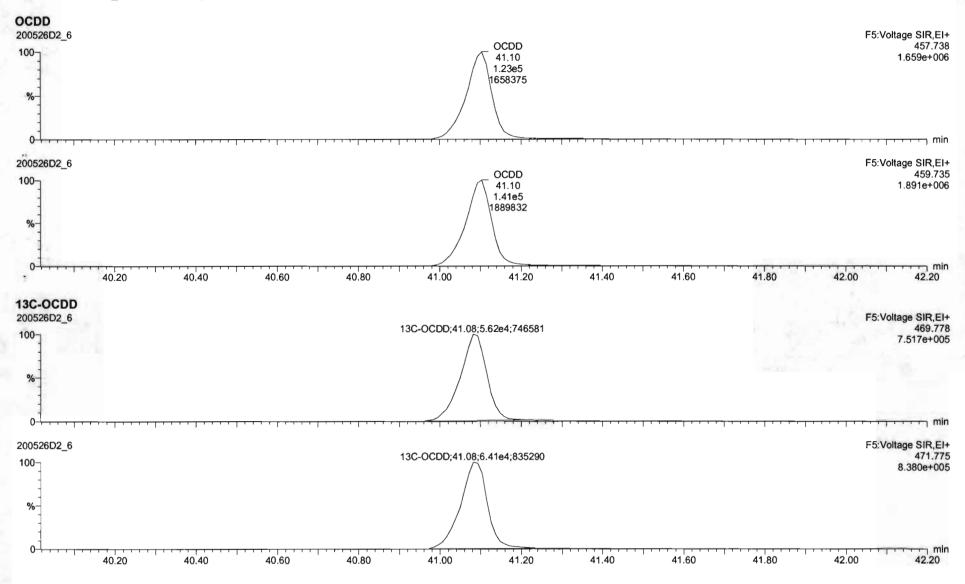




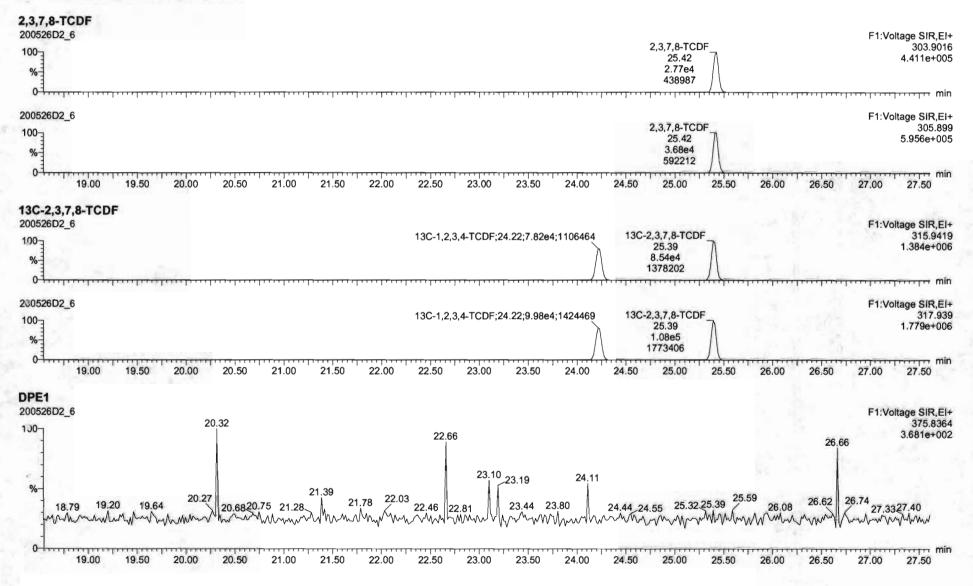
Quantify Sam Vista Analytica		Page 57 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
		······································

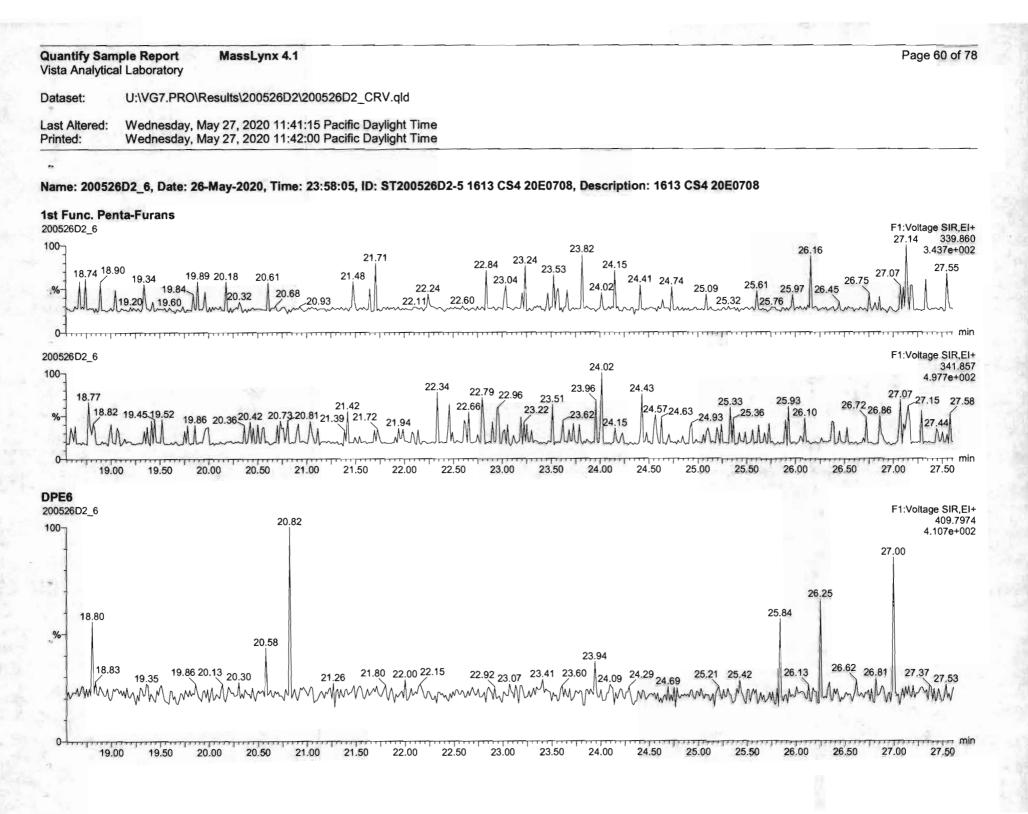


Quantify Sam Vista Analytica		Page 58 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



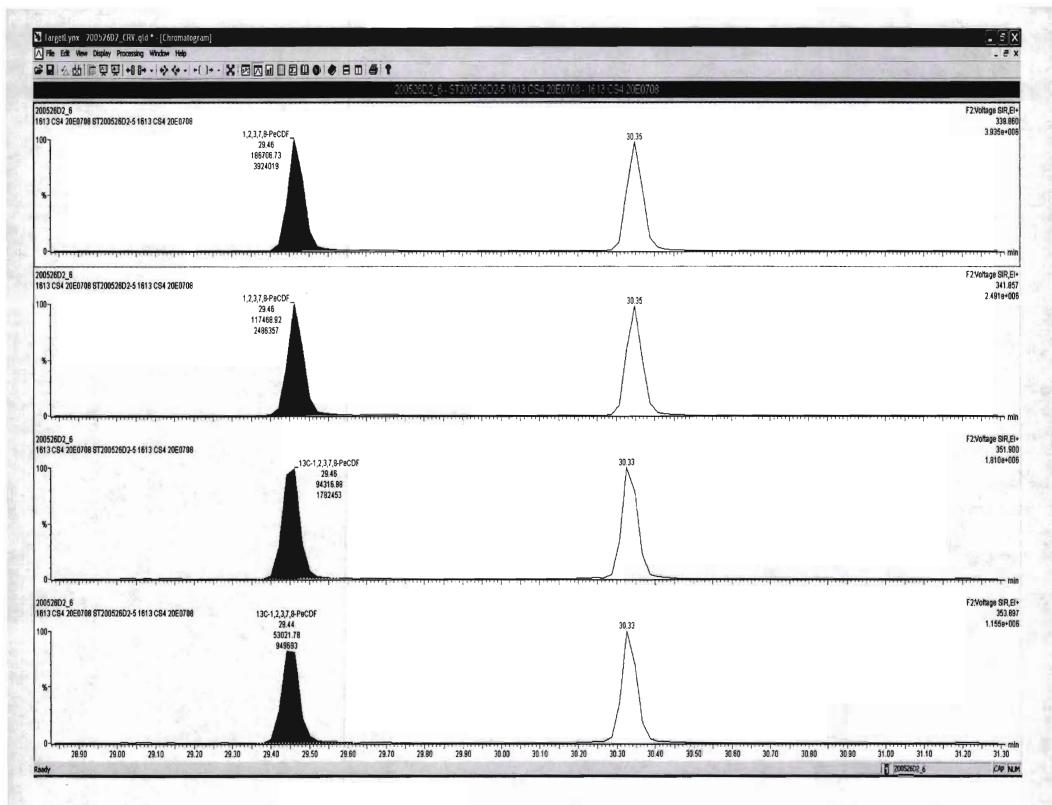
Quantify San Vista Analytica		Page 59 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



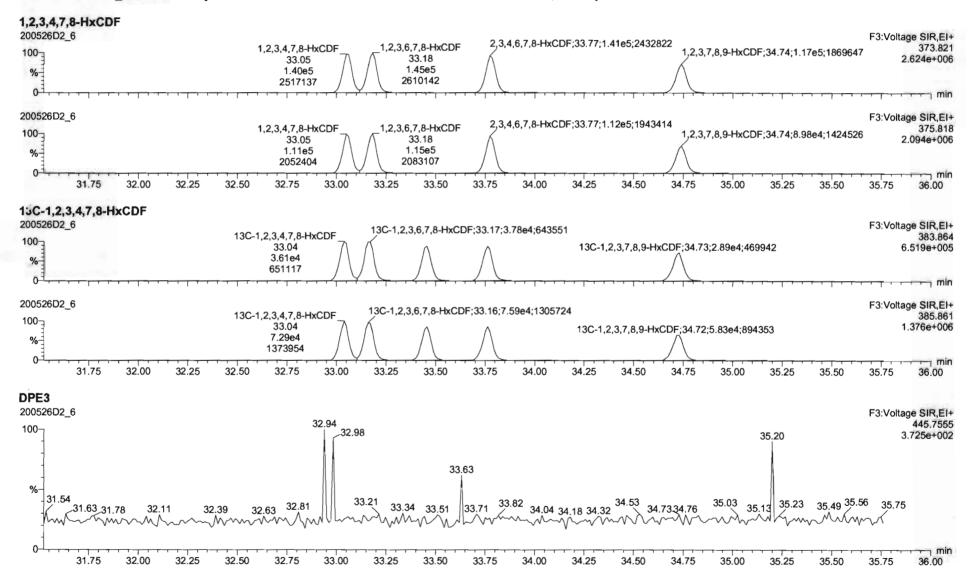


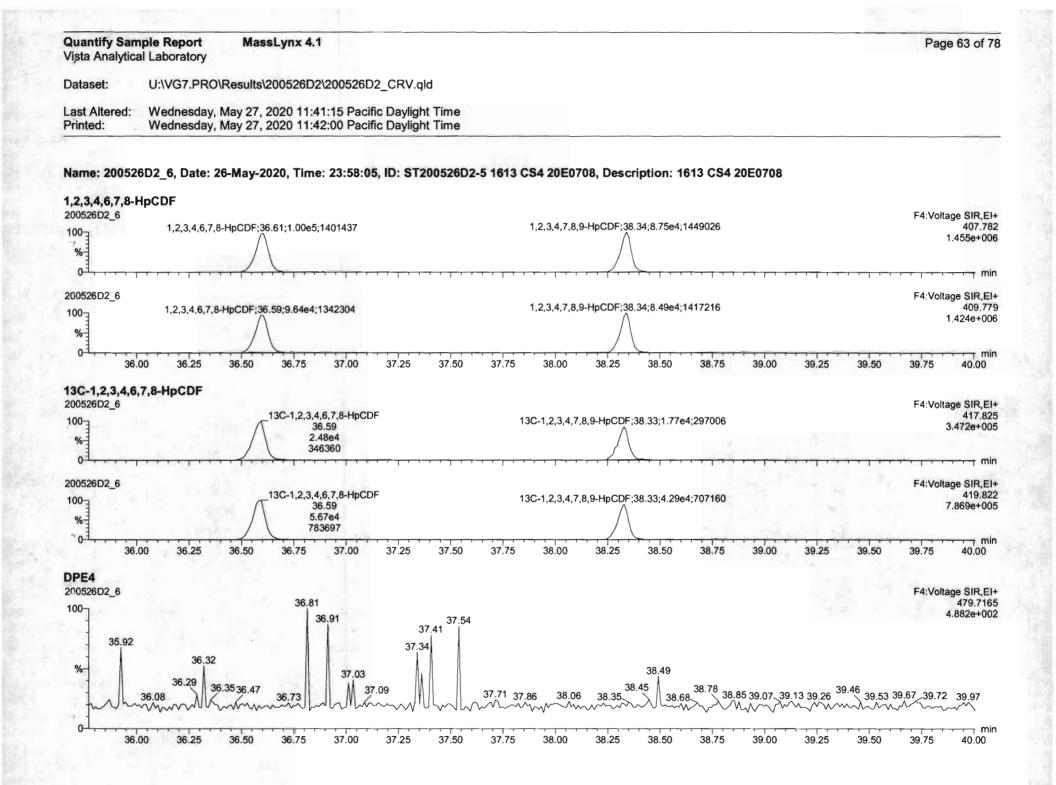
ista Analytica			MassLyr	nx 4.1												Page 61 of 7
ataset:	U:\VG7.PI	RO\Res	ults\2005	26D2\200	0526D2_0	CRV.qld										
ast Altered: rinted:	Wednesda Wednesda	ay, May ay, May	27, 2020 27, 2020) 11:41:15) 11:42:00	5 Pacific [) Pacific [Daylight Ti Daylight Ti	me me									
ame: 200520	6D2_6, Date	e: 26-M	ay-2020,	Time: 23	3:58:05, II	D: ST200	526D2-5	1613 CS4	20E0708	, Descrip	tion: 161	3 CS4 20	E0708			
2,3,7,8-PeC	DF															F2:Voltage SIR,EI
00526D2_6					1,2	2,3,7,8-PeCI 29.46 1.87e5			30 1.8	B-PeCDF .35 4e5	l					339.86 3.935e+00
0	 	, ,	• • • • • • •			3924019			383			 . 	~ .	-1		-, -, -, -, -, mi
00526D2_6					1,2	2,3,7,8-PeCl 29.46 1.17e5 2486357			30 1.1	8-PeCDF .35 6e5 8833	١					F2:Voltage SIR,EI 341.85 2.491e+00
27.75	28.00	28.25	28.50	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75 32.00
8 C-1,2,3,7,8 - 00526D2_6	-PeCDF		13C-1,	,2,3,7,8-Pe(CDF;29.46;9	9.60e4;1791	023	13	3C-2,3,4,7,8 30.33 8.95e4 180711	• 7	<u> </u>					F2:Voltage SIR,EI 351.90 1.810e+00
0 ⁻¹	╶╷╺╷╵ ╷╺┑╸╷		13C-1	,2,3,7,8-Pe	CDF;29.44;	5.30e4;9494	62	13	3C-2,3,4,7,8 30.33		╶ ┑╸ ╶╴╸	<u>, , , , , , , , , , , , , , , , , , , </u>	<u> </u>			F2:Voltage SIR,EI 353.89 1,155e+00
%							\bigwedge		5.45e4 115199	\$ /\						
27.75	28.00	28.25	28.50	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75 32.00
PE2 00526D2_6						29,22										F2:Voltage SIR,EI 409.797
	28.	17				2	9,40									4.063e+00
%-	/\						A						31.05			

----- min 32.00 0 27.75 29.75 29.25 30.50 31.75 28.00 29.00 29.50 31.00 28.25 31.25 28.50 28.75 30.00 30.25 30.75 31.50

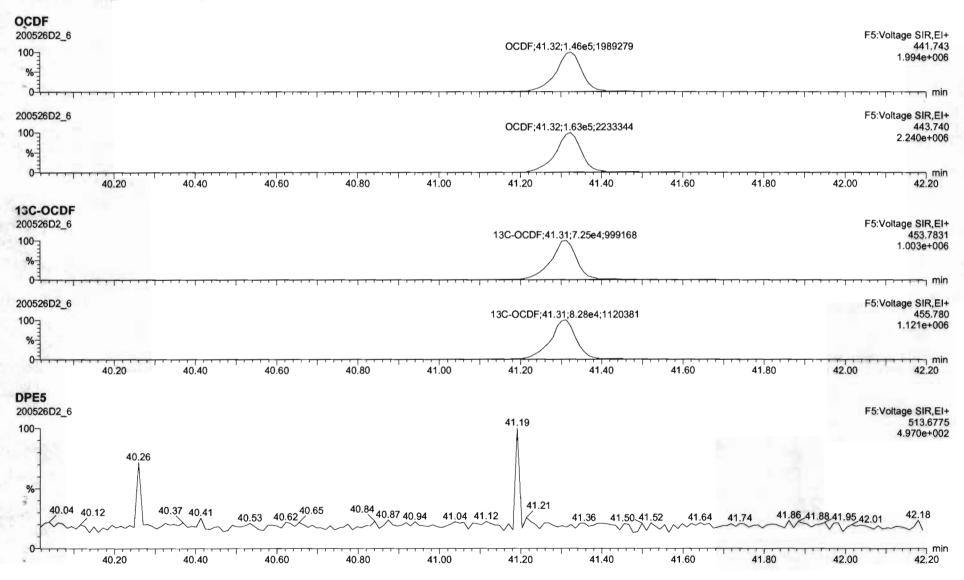


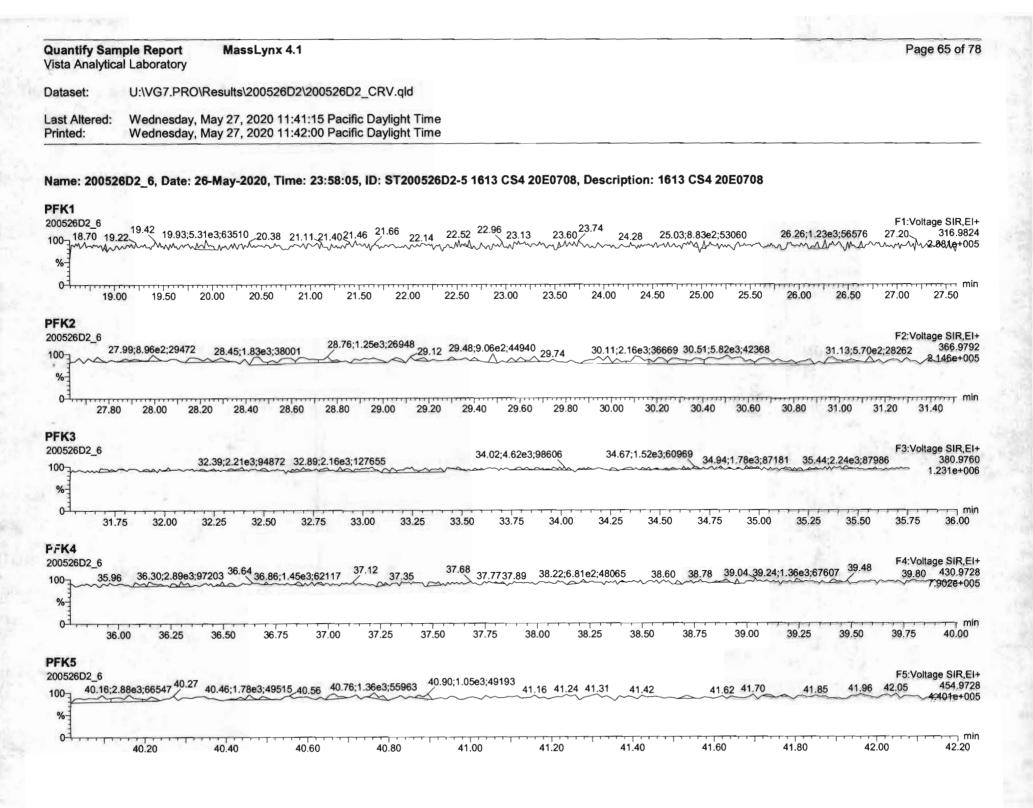
Quantify San Vista Analytic		Page 62 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



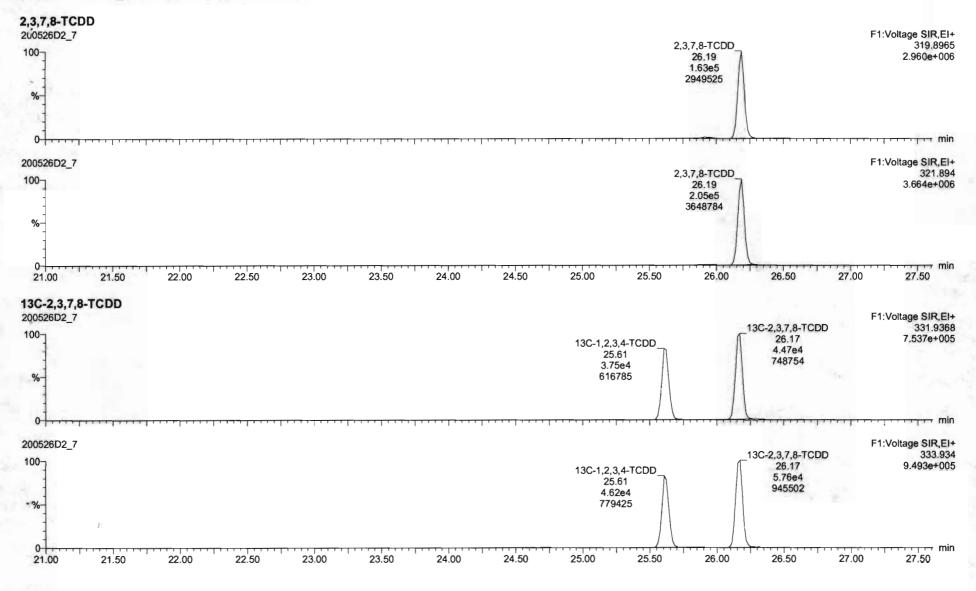


Quantify Sam Vista Analytica		Page 64 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

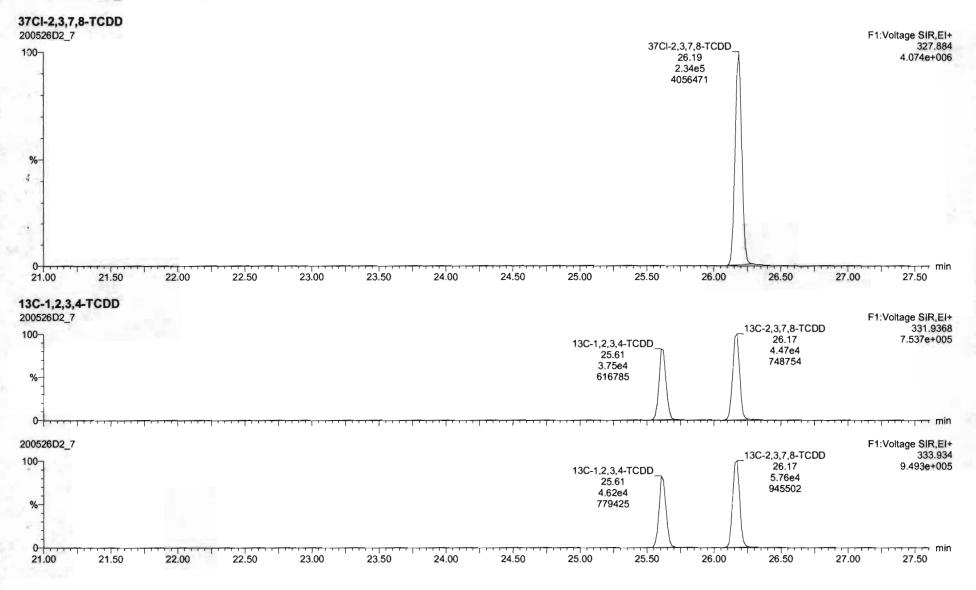




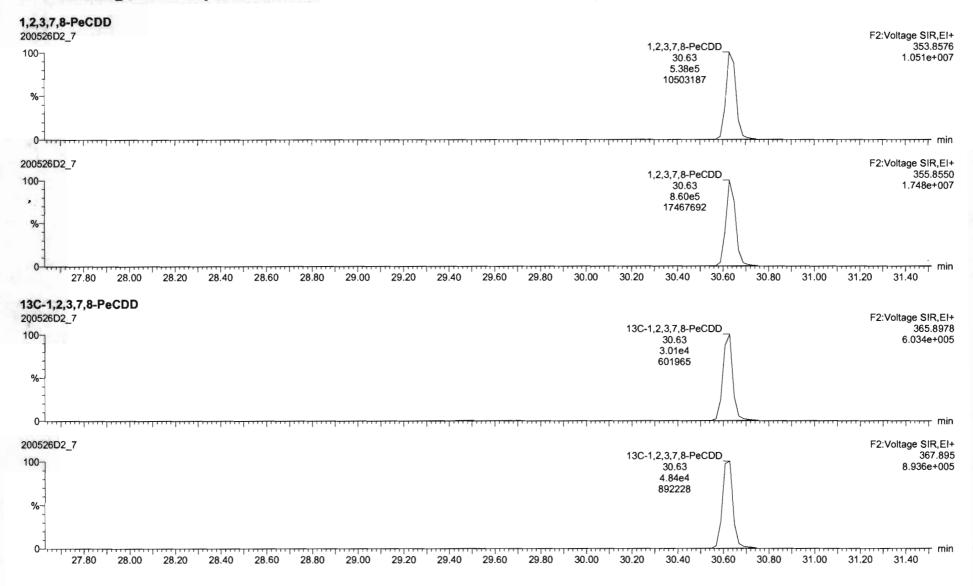
Quantify Sam Vista Analytica		Page 66 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

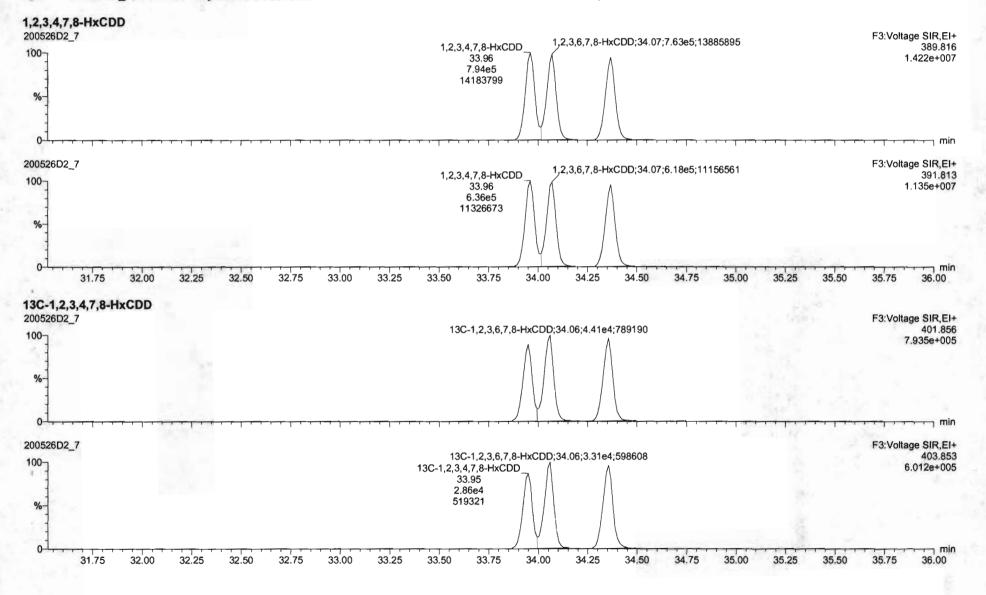


Quantify Sam Vista Analytica		Page 67 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

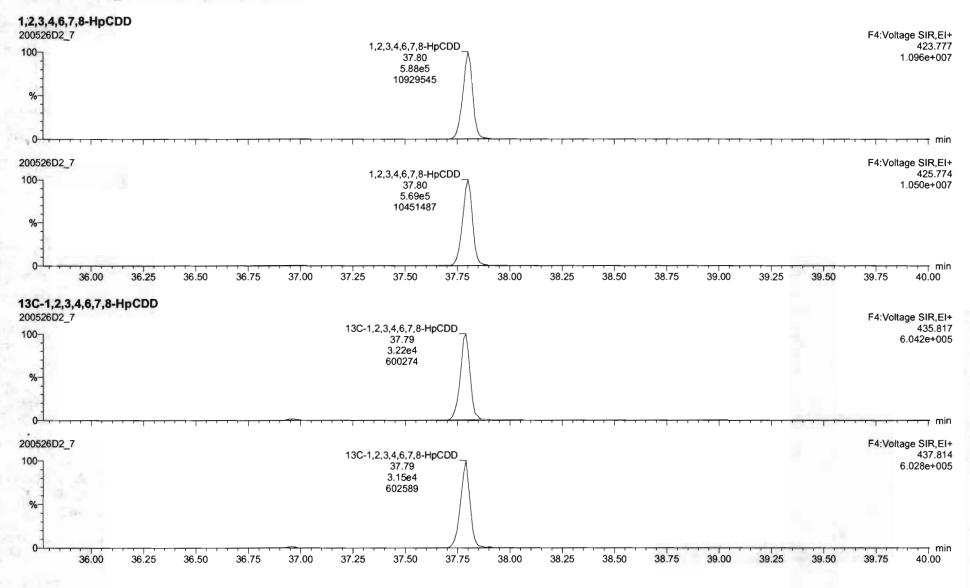


Quantify Sam Vista Analytica		Page 68 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

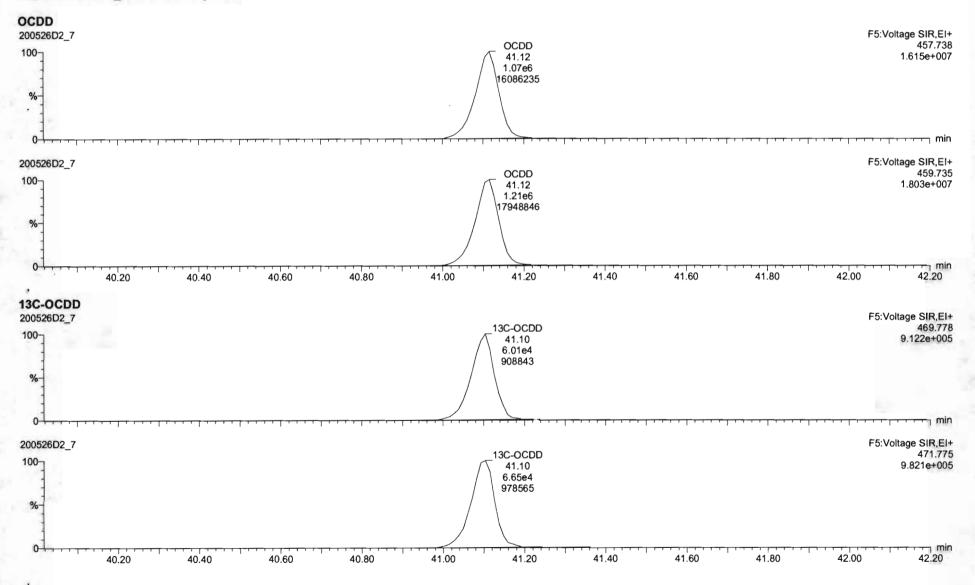




Quantify San Vista Analytic		Page 70 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

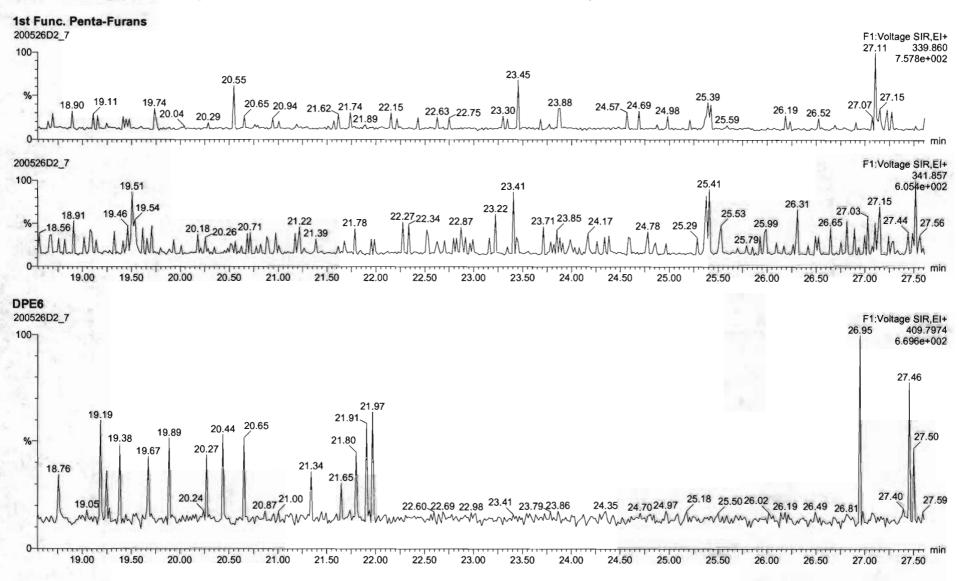


Quantify Sam Vista Analytica		Page 71 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

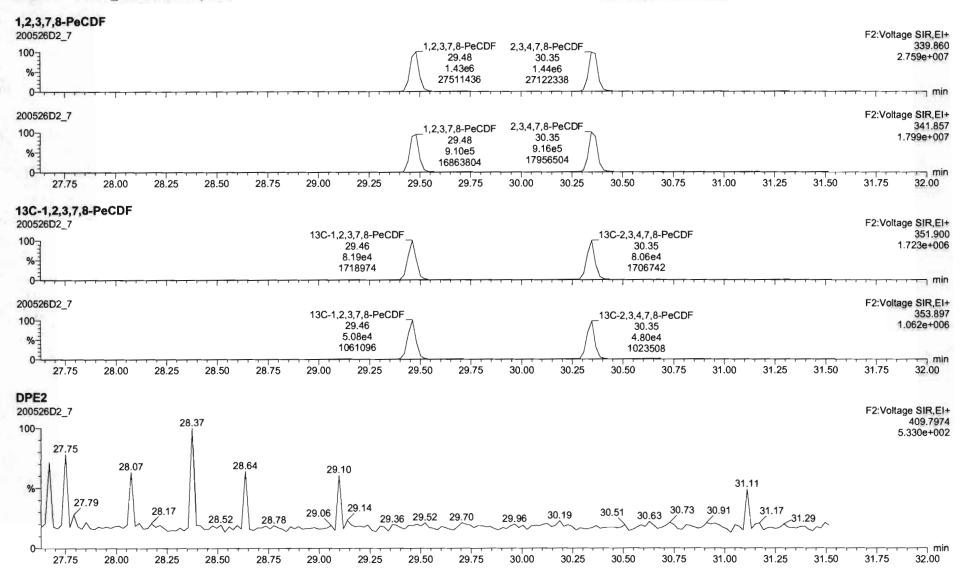


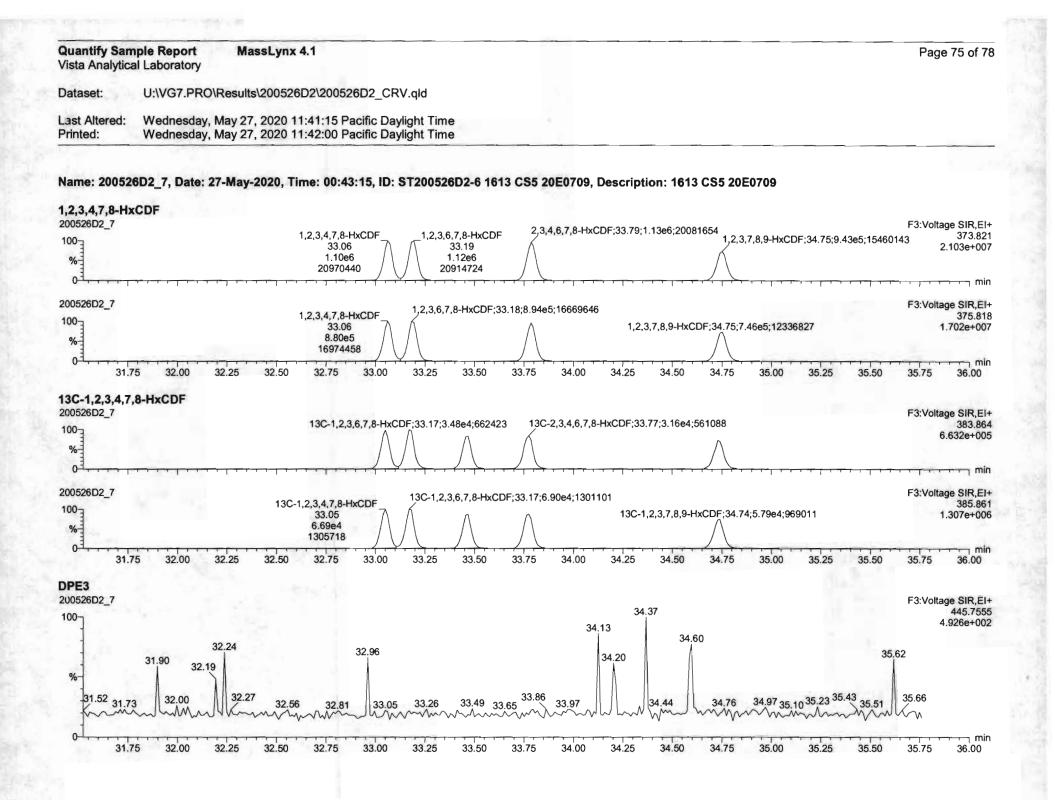
antify Sample Report MassLynx 4.1 ta Analytical Laboratory	Page 72 of
taset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
t Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Mednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
me: 200526D2_7, Date: 27-May-2020, Time: 00:43:15, ID: ST200526D2-6 1613	CS5 20E0709, Description: 1613 CS5 20E0709
,7,8-TCDF	
526D2_7	F1:Voltage SIR 2,3,7,8-TCDF
	25.42 3,613e+ 2.21e5
	3597403 /
526D2_7	F1:Voltage SIR,
	2,3,7,8-TCDF 305. 25.42 4,586e+
	2.88e5 4564793
19.00 19.50 20.00 20.50 21.00 21.50 22.00 22.50 23	23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27.50
C-2,3,7,8-TCDF 526D2_7	F1:Voltage SIR
	13C-1,2,3,4-TCDF 13C-2,3,7,8-TCDF 315.9
	7.29e4 7.34e4
¹	
526D2_7	F1:Voltage SIR 13C-1.2.3.4.TCDF 13C-2.3.7.8-TCDF 317.
	24.22 25.39 1.525e+
6- 	1330552 1520791
	23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27.50
E1	
	F1:Voltage SIR 375.8
526D2_7 20.68	
20.68	6.084e+
20.68	
20.68 19.34 19.61 22.61	6.084e+ 26.69 23.24 24.41
20.68	23.24 24.41

Quantify San Vista Analytica		Page 73 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

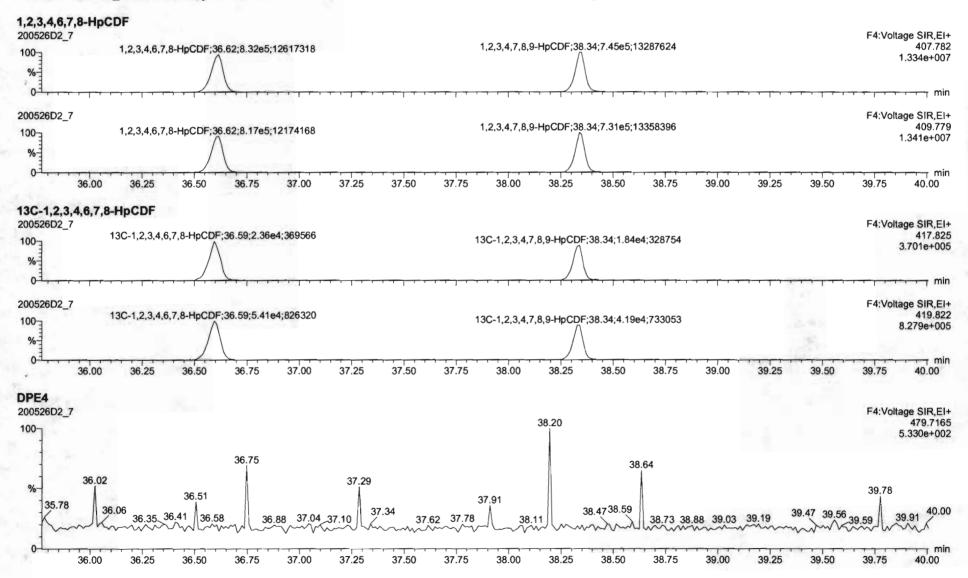


Quantify San Vista Analytica		Page 74 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

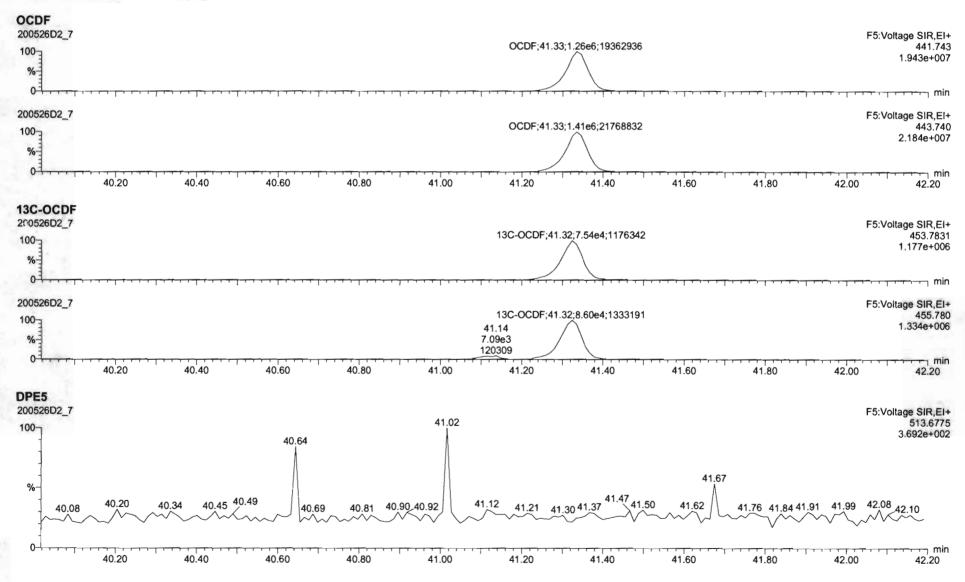


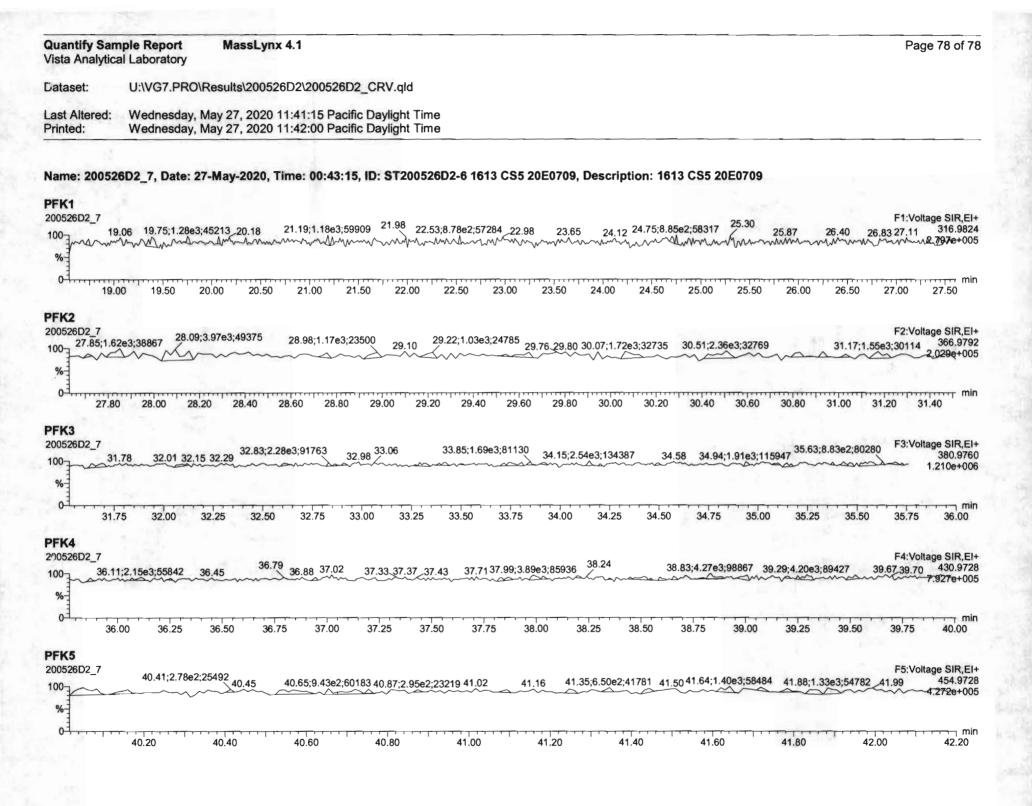


Quantify Sam Vista Analytica		Page 76 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



Quantify San Vista Analytica		Page 77 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



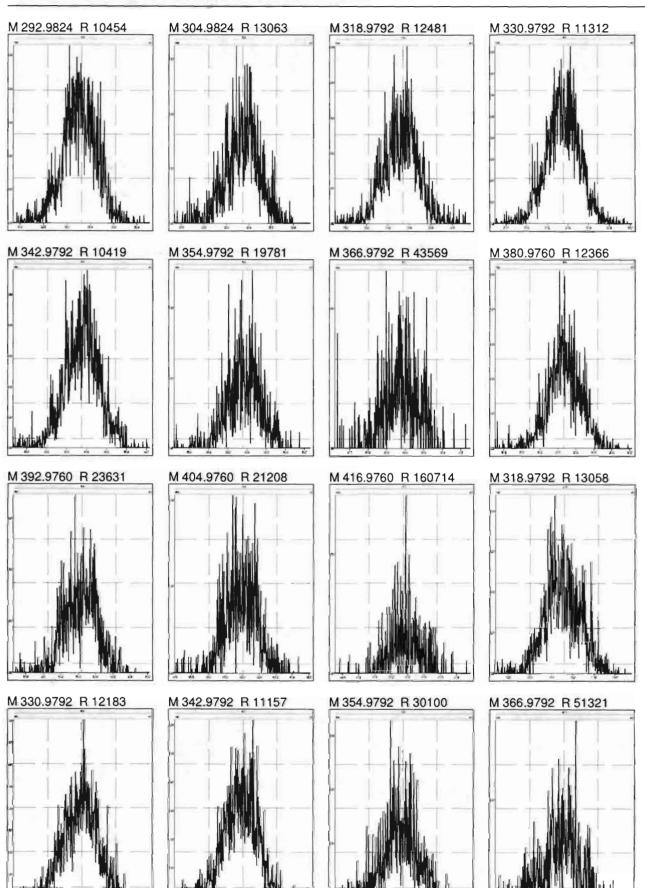


Resolution Check Report

MassLynx 4.1

Page 1 of 3

Printed: Wednesday, May 27, 2020 03:53:03 Pacific Daylight Time

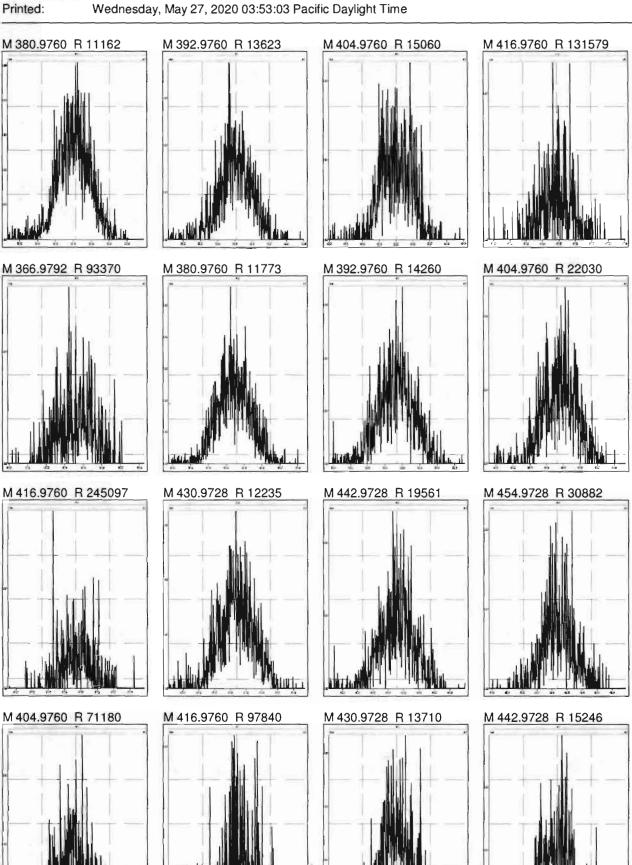


Resolution Check Report

MassLynx 4.1

Page 2 of 3

Printed:

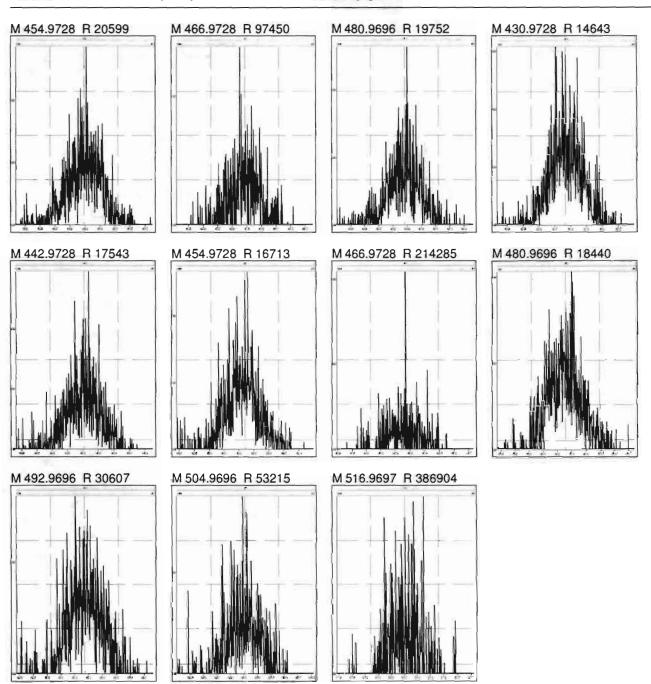


Resolution Check Report

MassLynx 4.1

Page 3 of 3

Printed: Wednesday, May 27, 2020 03:53:03 Pacific Daylight Time



	mple Summary Report ical Laboratory	MassLynx 4.1	
Dataset:	U:\VG7.PRO\Results\200	0526D2\200526D2_9.qld	

Last Altered:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 12:02:16 Pacific Daylight Time

C705/27/2000 DB 5/27/20

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 27 Apr 2020 14:17:24 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

-	and the state of t	and the second s				1.124	and the second	and the second	1 . No. 1					-
The second	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	9.61e3	0.82	NO	0.986	1.000	26.189	26.17	1.001	1.001	10.643	106	0.0639	10.6
2	2 1,2,3,7,8-PeCDD	2.86e4	0.63	NO	0.964	1.000	30.630	30.63	1.001	1.001	46.774	93.5	0.0940	46.8
3	3 1,2,3,4,7,8-HxCDD	2.93e4	1.27	NO	1.16	1.000	33.938	33.95	1.000	1.001	46.907	93.8	0.177	46.9
4	4 1,2,3,6,7,8-HxCDD	3.12e4	1.29	NO	1.01	1.000	34.038	34.05	1.000	1.000	49.882	99.8	0.194	49.9
5	5 1,2,3,7,8,9-HxCDD	2.94e4	1.25	NO	1.01	1.000	34.368	34.34	1.001	1.000	47.481	95.0	0.207	47.5
6	6 1,2,3,4,6,7,8-HpCDD	2.32e4	1.06	NO	0.997	1.000	37.791	37.78	1.000	1.000	46.984	94.0	0.298	47.0
7	7 OCDD	4.45e4	0.88	NO	1.01	1.000	41.082	41.08	1.000	1.000	95.100	95.1	0.381	95.1
8	8 2,3,7,8-TCDF	1.21e4	0.75	NO	0.833	1.000	25.403	25.41	1.001	1.001	9.4425	94.4	0.0512	9.44
9	9 1,2,3,7,8-PeCDF	5.31e4	1.67	NO	0.965	1.000	29.462	29.46	1.001	1.001	47.411	94.8	0.119	47.4
10	10 2,3,4,7,8-PeCDF	6.02e4	1.60	NO	1.01	1.000	30.357	30.35	1.001	1.001	53.391	107	0.105	53.4
11	11 1,2,3,4,7,8-HxCDF	4.61e4	1.28	NO	1.09	1.000	33.039	33.05	1.000	1.000	48.113	96.2	0.186	48.1
12	12 1,2,3,6,7,8-HxCDF	4.75e4	1.28	NO	1.07	1.000	33.170	33.17	1.000	1.000	48.294	96.6	0.193	48.3
13	13 2,3,4,6,7,8-HxCDF	4.36e4	1.28	NO	1.15	1.000	33.786	33.77	1.001	1.001	46.073	92.1	0.194	46.1
14	14 1,2,3,7,8,9-HxCDF	3.60 e 4	1.30	NO	1.11	1.000	34.718	34.73	1.000	1.000	44.678	89.4	0.276	44.7
15	15 1,2,3,4,6,7,8-HpCDF	3.55e4	1.00	NO	1.16	1.000	36.620	36.59	1.001	1.000	47.071	94.1	0.321	47.1
16	16 1,2,3,4,7,8,9-HpCDF	3.10e4	1.02	NO	1.35	1.000	38.317	38.33	1.000	1.000	47.041	94.1	0.283	47.0
17	17 OCDF	5.28e4	0.90	NO	0.949	1.000	41.302	41.31	1.000	1.000	91.295	91.3	0.222	91.3
18	18 13C-2,3,7,8-TCDD	9.16e4	0.79	NO	1.26	1.000	26.273	26.16	1.026	1.021	101.93	102	0.287	
19	19 13C-1,2,3,7,8-PeCDD	6.34e4	0.61	NO	0.921	1.000	30.780	30.61	1.202	1.195	96.456	96.5	0.220	
20	20 13C-1,2,3,4,7,8-HxCDD	5.37e4	1.34	NO	0.707	1.000	33.913	33.93	1.014	1.014	94.462	94.5	0.355	
21	21 13C-1,2,3,6,7,8-HxCDD	6.21e4	1.38	NO	0.829	1.000	34.024	34.04	1.017	1.018	93.242	93.2	0.303	
22	22 13C-1,2,3,7,8,9-HxCDD	6.15e4	1.37	NO	0.808	1.000	34.295	34.33	1.025	1.027	94.700	94.7	0.311	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.96e4	1.02	NO	0.662	1.000	37.759	37.78	1.129	1.130	93.362	93.4	0.705	
24	24 13C-OCDD	9.24e4	0.88	NO	0.608	1.000	40.783	41.08	1.219	1.228	189.02	94.5	0.479	
25	25 13C-2,3,7,8-TCDF	1.53e5	0.78	NO	1.07	1.000	25.351	25.38	0.990	0.991	99.831	99.8	0.293	
26	26 13C-1,2,3,7,8-PeCDF	1.16e5	1.61	NO	0.826	1.000	29.594	29.44	1.156	1.150	97.891	97.9	0.264	
27	27 13C-2,3,4,7,8-PeCDF	1.12e5	1.74	NO	0.796	1.000	30.498	30.33	1.191	1.184	97.581	97.6	0.274	
28	28 13C-1,2,3,4,7,8-HxCDF	8.75e4	0.51	NO	1.08	1.000	33.044	33.04	0.988	0.988	101.31	101	0.458	
29	29 13C-1,2,3,6,7,8-HxCDF	9.23e4	0.49	NO	1.12	1.000	33.177	33.16	0.992	0.991	102.16	102	0.438	
30	30 13C-2,3,4,6,7,8-HxCDF	8.19e4	0.49	NO	1.02	1.000	33.749	33.75	1.009	1.009	99.493	99.5	0.480	
31	31 13C-1,2,3,7,8,9-HxCDF	7.22e4	0.51	NO	0.887	1.000	34.649	34.72	1.036	1.038	101.40	101	0.555	

Quantify Sample Summary Report	MassLynx 4.1
Vista Analytical Laboratory	

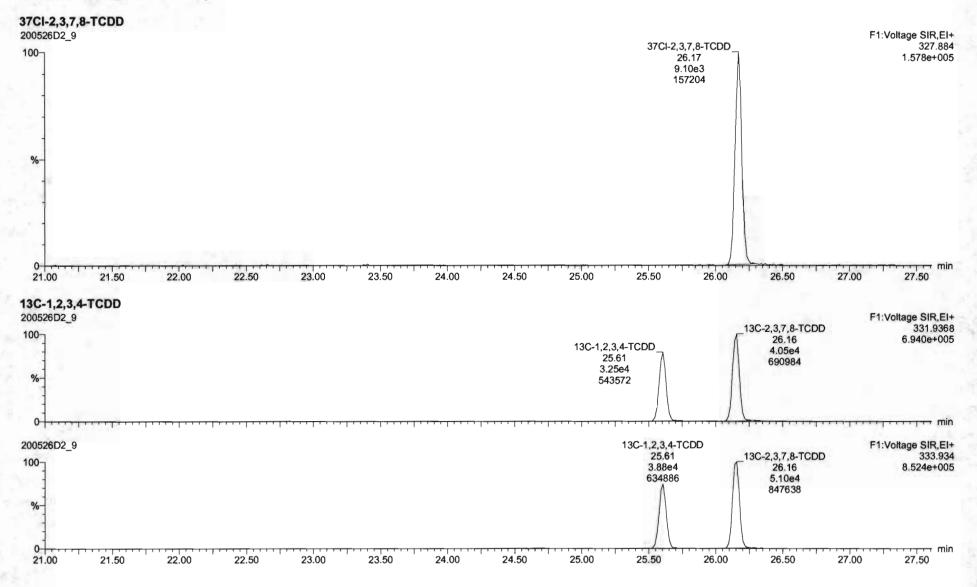
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

Last Altered:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 12:02:16 Pacific Daylight Time

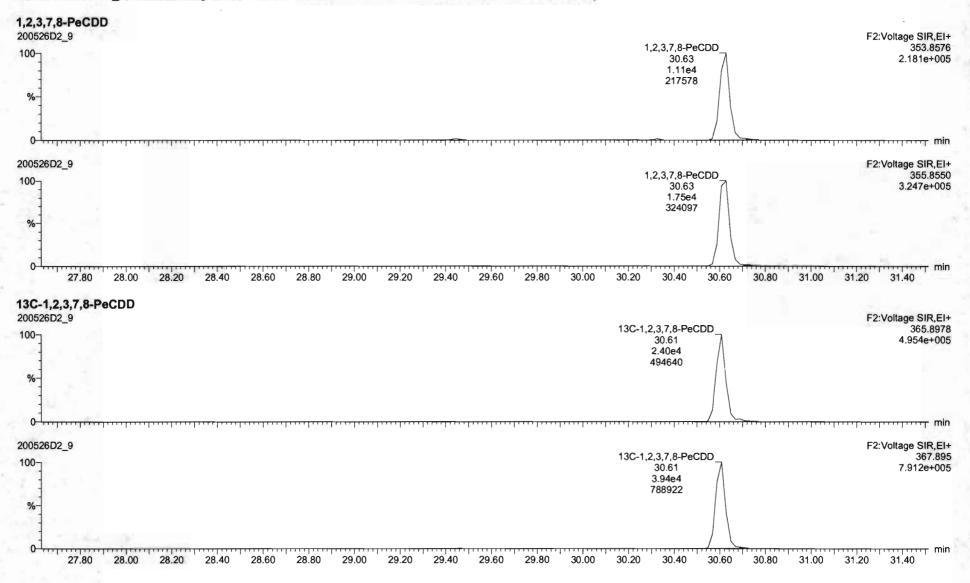
The state	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.52e4	0.44	NO	0.811	1.000	36.355	36.58	1.087	1.094	100.14	100	0.525	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.88e4	0.43	NO	0.598	1.000	38.361	38.32	1.147	1.146	101.56	102	0.711	
34	34 13C-OCDF	1.22e5	0.88	NO	0.752	1.000	40.937	41.30	1.224	1.235	201.85	101	0.313	
35	35 37CI-2,3,7,8-TCDD	9.10e3			1.24	1.000	26.270	26.17	1.026	1.022	10.258	103	0.0590	
36	36 13C-1,2,3,4-TCDD	7.13e4	0.84	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.361	
37	37 13C-1,2,3,4-TCDF	1.44e5	0.81	NO	1.00	1.000	24.020	24.20	1.000	1.000	100.00	100	0.313	
38	38 13C-1,2,3,4,6,9-HxCDF	8.03e4	0.50	NO	1.00	1.000	33.530	33.44	1.000	1.000	100.00	100	0.492	

Quantify San Vista Analytica	nple Report al Laboratory	MassLynx	4.1							Page 1 of 1
Dataset:	U:\VG7.PRO	Results\200526	D2\200526D2_	9.qld						
ast Altered: Printed:	Wednesday, Wednesday,	May 27, 2020 1 May 27, 2020 1	2:01:08 Pacific 2:02:38 Pacific	Daylight Tim Daylight Tim	e					
Method: C:\N	lassLynx\Defa U:\VG7.PRO\Cι	ult.pro\Methdb	\1613_rrt.mdb 613vo7-5-26-20	27 Apr 2020 .cdb 27 May	14:17:24 v 2020 11:50	:24				
		_), Description: 1613 SS	S 20E071	D	
,3,7,8-TCDD										
200526D2_9							2,	3,7,8-TCDD 26.17 4.34e3 72840	Λ	F1:Voltage SIR,E 319.89 7.310e+00
%- - 				T++++	\			,,, ,, ,,,		n
00526D2_9							2,	3,7,8-TCDD 26.17 5.27e3	λ	F1:Voltage SIR,E 321.8 8.747e+0
%- 				2250	24.00	24.50	25.00 25.50	86992 26.00	26.50	27.00 27.50
21.00 3C-2,3,7,8-T		.00 22.50	23.00	23.50	24.00	24.50	25.00 25.50	20.00	26.50	27.00 27.50
200526D2_9							13C-1,2,3,4-TCDD_ 25.61		13C-2,3,7,8-TCDD 26.16 4.05e4	F1:Voltage SIR,t 331.93 6.940e+0
%							3.25e4 543572		690984	
0+++++++++++++++++++++++++++++++++++++				1		*		l		F1:Voltage SIR,I
100							13C-1,2,3,4-TCDD 25.61 3.88e4 634886		_13C-2,3,7,8-TCDD 26.16 5.10e4 847638	333.9 8.524e+0
%-							004000	,		

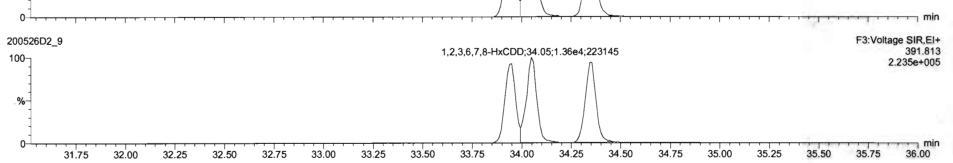
Quantify San Vista Analytica		Page 2 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	

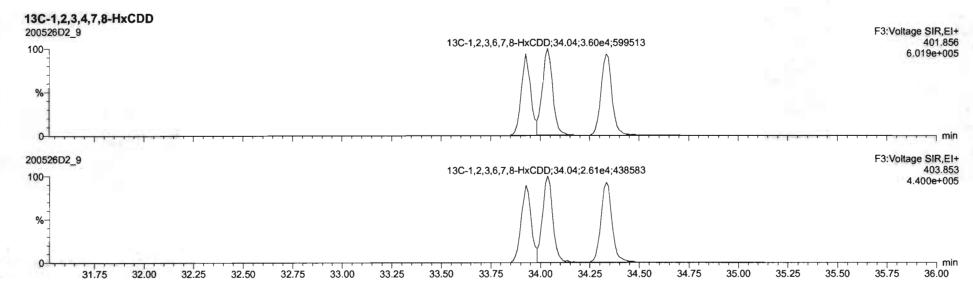


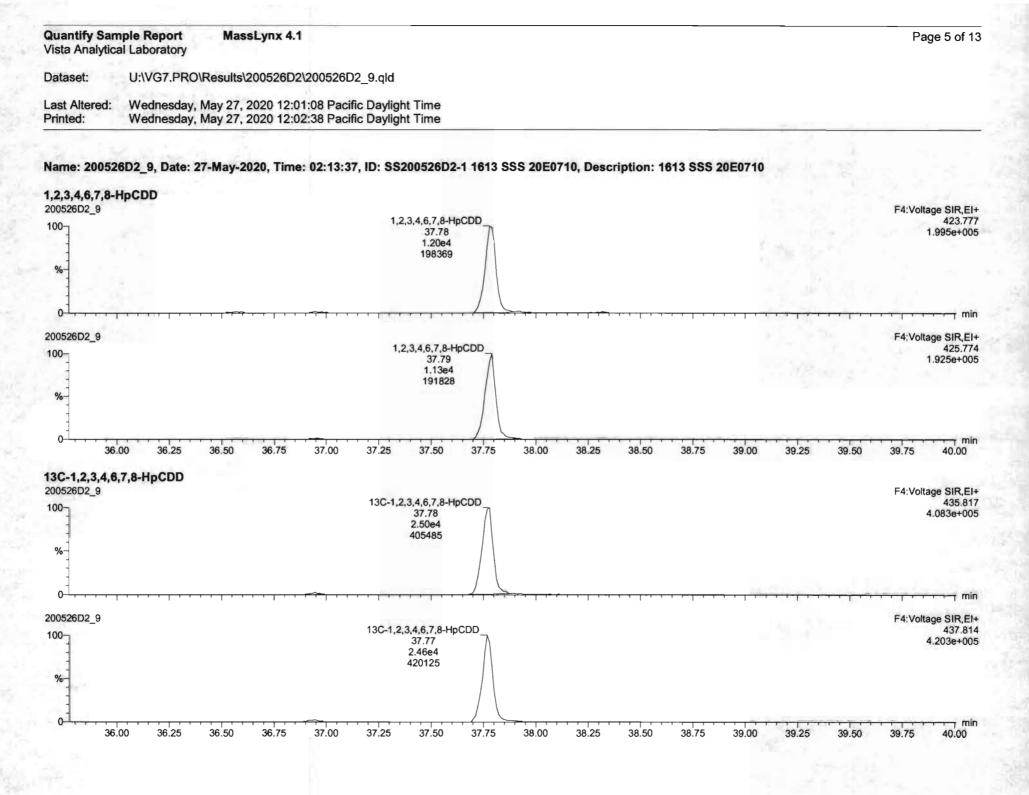
Quantify San Vista Analytic		Page 3 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	



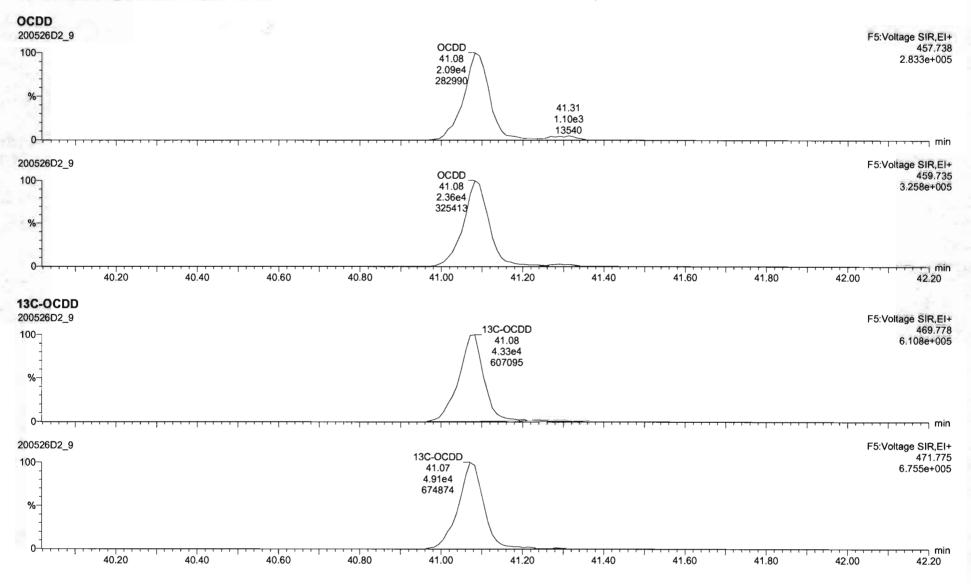
Quantify Sam Vista Analytica		Page 4 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	
	6D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710	
lame: 20052 ,2,3,4,7,8-Hx ^{00526D2_9}		F3:Voltage SIR,EI+
,2,3,4,7,8-Hx		F3:Voltage SIR,EI+ 389.816 2.828e+005





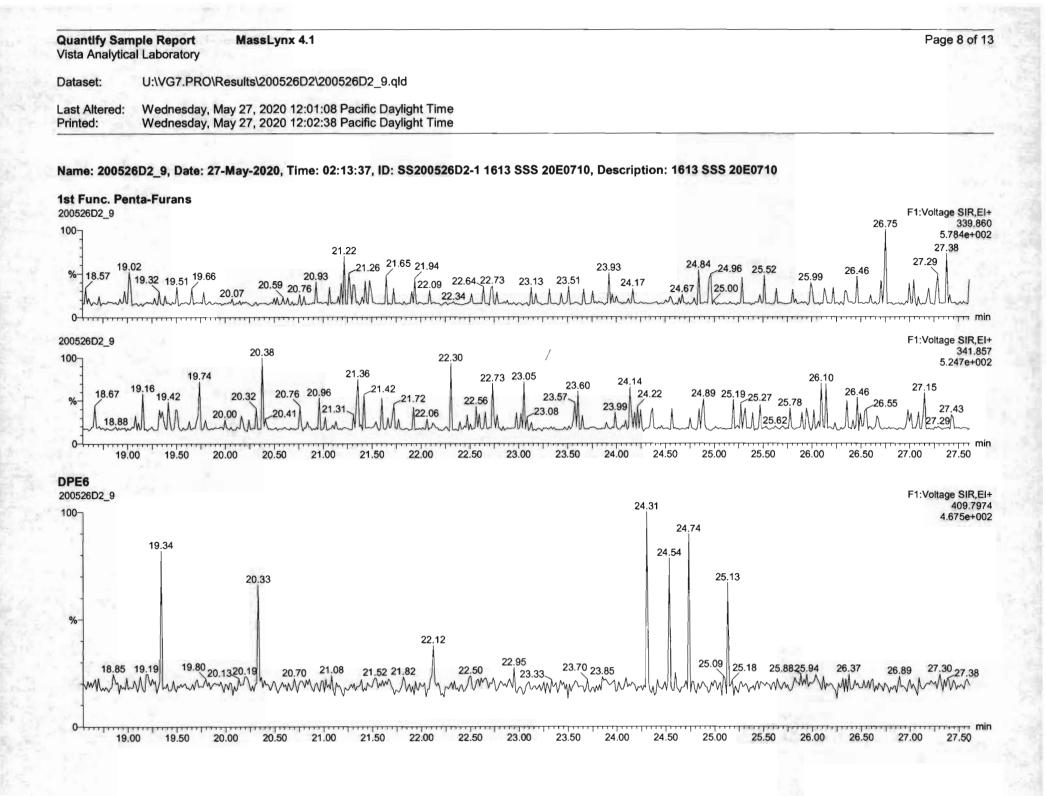


Quantify Sam Vista Analytica		Page 6 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	

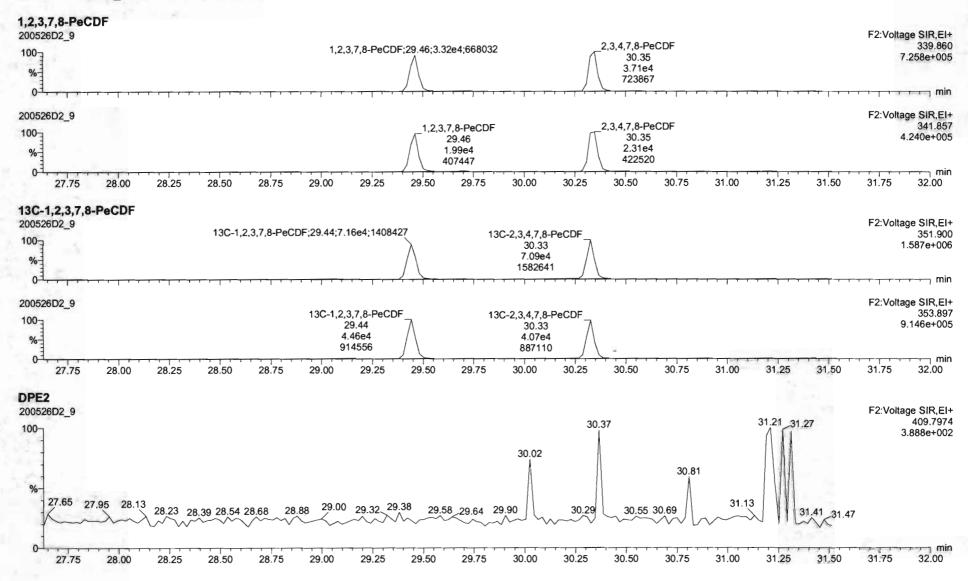


100

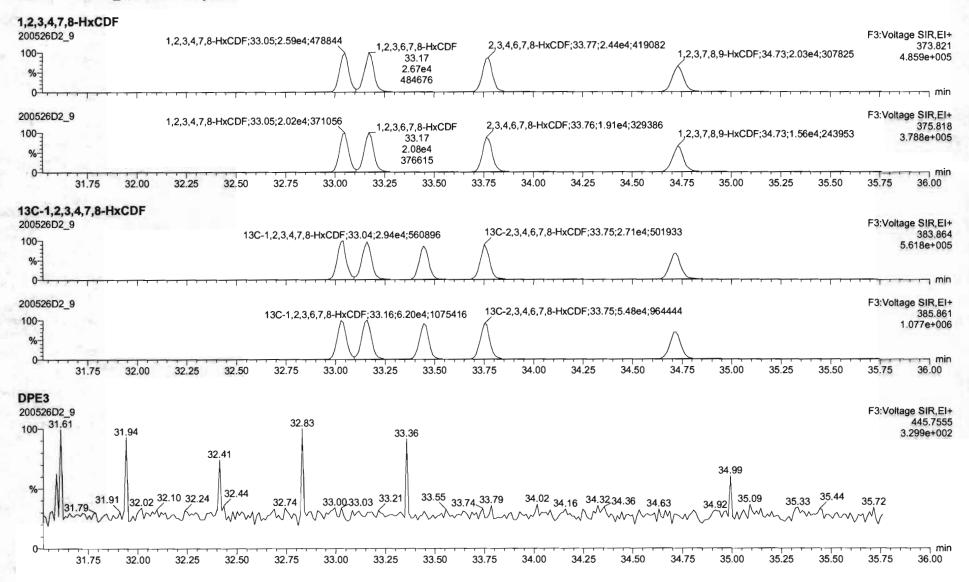
Quantify Sam Vista Analytica	nple Report MassLynx 4.1 al Laboratory			Page 7 of 1
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2	2_9.qld		
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacifi Wednesday, May 27, 2020 12:02:38 Pacifi	c Daylight Time c Daylight Time		
Name: 20052	26D2_9, Date: 27-May-2020, Time: 02:13:37	7, ID: SS200526D2-1 1613 SSS 20E0710, Descrip	otion: 1613 SSS 20E0710	
3,7,8-TCDF			2,3,7,8-TCDF_	F1:Voltage SIR,E 303.901
100 %			25.41 5.18e3 77760	7.811e+00
00526D2_9			2,3,7,8-TCDF 25.41 6.87e3 112638	F1:Voltage SIR,E 305.8 1.131e+00
0 1	00 19.50 20.00 20.50 21.00 21	.50 22.00 22.50 23.00 23.50 24.00	24.50 25.00 25.50	26.00 26.50 27.00 27.50
3C-2,3,7,8-T 00526D2_9	CDF	13C-1,2,3,4-TCDF;24.20;6.41e4;921355	13C-2,3.7,8-TCDF 25.38 6.70e4 1093610	F1:Voltage SIR,E 315.94 1.098e+0
0 ⁻¹	*****	13C-1,2,3,4-TCDF;24.20;7.96e4;1160055	13C-2,3,7,8-TCDF 25.38 8.6264 1381173	F1:Voltage SIR, 317,9 1.385e+0
0 1, 19.0	00 19.50 20.00 20.50 21.00 21	.50 22.00 22.50 23.00 23.50 24.00	24.50 25.00 25.50	26.00 26.50 27.00 27.50
00526D2_9	9.09 20.24			F1:Voltage SIR,E 27.24 375.83 4.194e+0
%- 18.86	19.22 19.84 19.45 20.15 20.29 20.68 20.99 20.68 20.99 20.85 21.07 2 20.85 21.07 2 20.85 20.99	21.03 22.44 23.96	25.21 24.38 24.57 24.78 25.36	.74 26.28 26.7826.85 27.44
0 1	00 19.50 20.00 20.50 21.00 21	.50 22.00 22.50 23.00 23.50 24.00	24.50 25.00 25.50	26.00 26.50 27.00 27.50

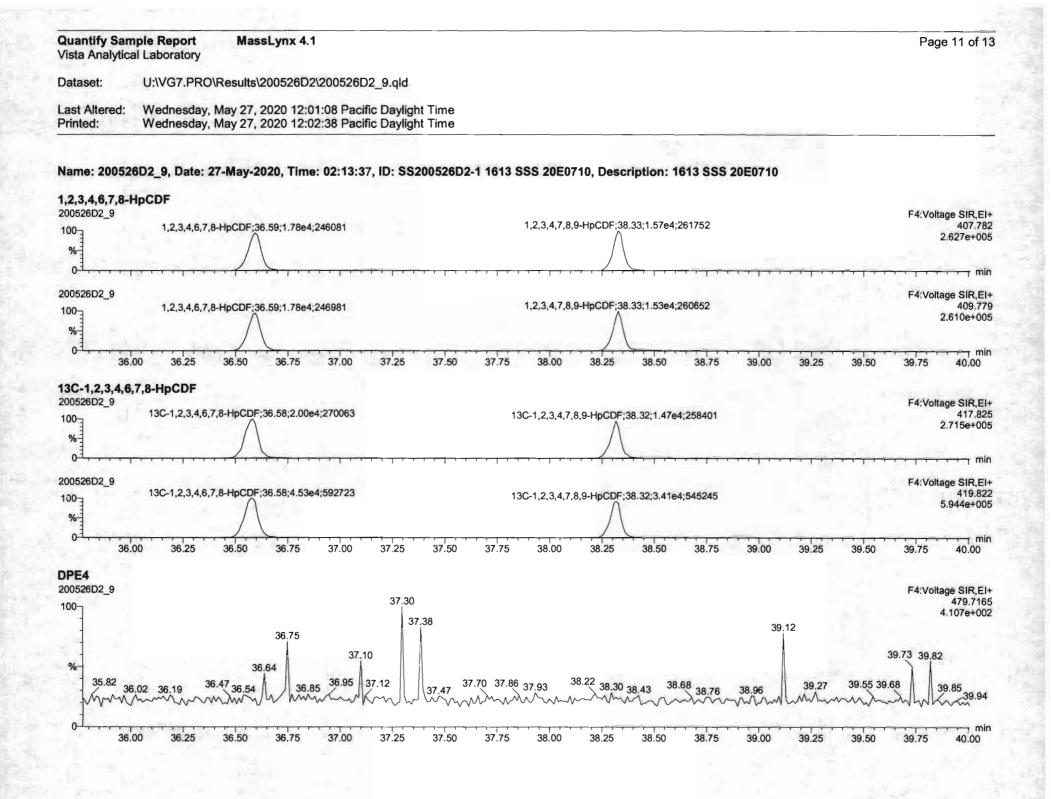


Quantify Sam Vista Analytica		Page 9 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	

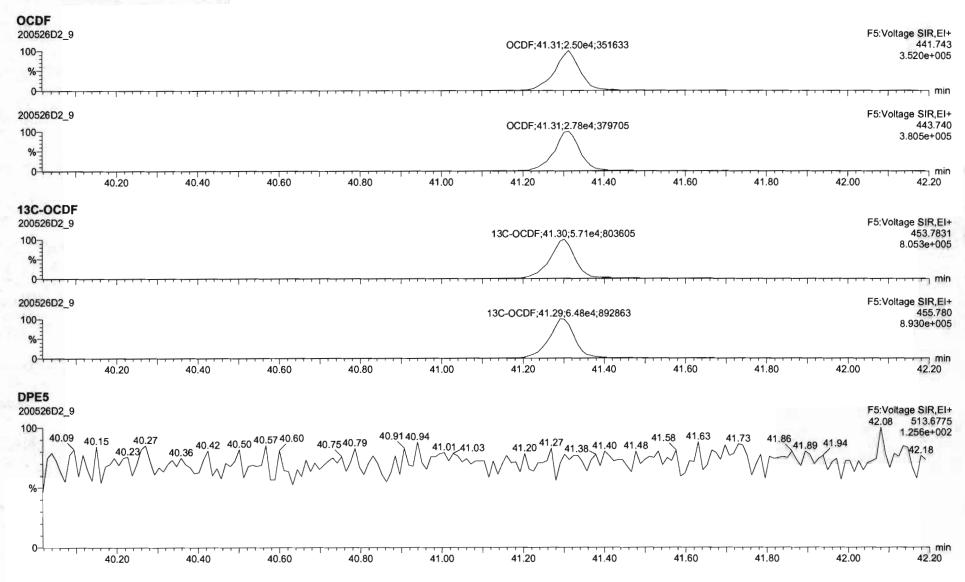


Quantify San Vista Analytica		Page 10 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	





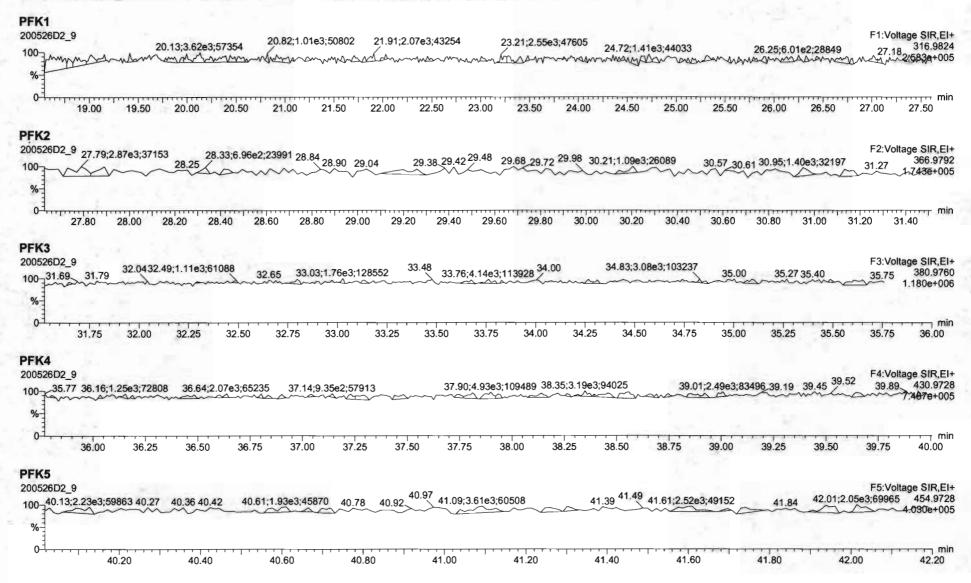
Quantify San Vista Analytica		Page 12 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	



Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200526D2\200526D2 9.qld

Last Altered: Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Printed: Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time



Dataset:	U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld
Last Altered:	Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
Printed:	Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17 Calibration: U:\VG12.PRO\CurveDB\db5 1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Compound name: 2,3,7,8-TCDD Response Factor: 0.88831 RRF SD: 0.0677802, Relative SD: 7.63025 Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	0.250	0.68	NO	26.54	1.000	2.70e3	1.43e6	0.213	-14.8	0.757	bb
2	200528R2_2	0.500	0.78	NO	26.57	1.001	5.69e3	1.29e6	0.497	-0.6	0.883	bb
3	200528R2_3	2.00	0.80	NO	26.57	1.001	2.40e4	1.31e6	2.06	3.1	0.916	bb
4	200528R2_4	40.0	0.78	NO	26.56	1.001	5.50e5	1.50e6	41.2	3.0	0.915	bb
5	200528R2_5	300	0.78	NO	26.59	1.001	4.32e6	1.52e6	321	6.9	0.949	bb
6	200528R2_6	10.0	0.81	NO	26.59	1.001	1.06e5	1.16e6	10.2	2.4	0.910	dd

Compound name: 1,2,3,7,8-PeCDD Response Factor: 0.908065 RRF SD: 0.0455724, Relative SD: 5.01862 Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area) Curve type: RF

States of the	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	0.66	NO	31.50	1.000	1.03e4	1.00e6	1.12	-10.0	0.817	bb
2	200528R2_2	2.50	0.64	NO	31.51	1.000	2.12e4	9.36e5	2.50	-0.1	0.908	bb
3	200528R2_3	10.0	0.63	NO	31.51	1.000	8.60e4	9.29e5	10.2	1.9	0.926	bb
4	200528R2_4	200	0.63	NO	31.51	1.000	2.06e6	1.11e6	205	2.4	0.930	bb
5	200528R2_5	1500	0.63	NO	31.51	1.000	1.69e7	1.21e6	1550	3.0	0.935	bb
6	200528R2_6	50.0	0.62	NO	31.53	1.001	3.95e5	8.48e5	51.3	2.7	0.932	bb

Page 1 of 16

688 05/29/2020 Ci 05/29/2020

Dataset:	U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld
Last Altered:	Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
Printed:	Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD Response Factor: 1.03343 RRF SD: 0.0545572, Relative SD: 5.27925 Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area) Curve type: RF

320.00	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.27	NO	34.86	1.000	8.03e3	6.95e5	1.12	-10.6	0.924	MM
2	200528R2_2	2.50	1.27	NO	34.88	1.000	1.69 e 4	6.46e5	2.53	1.2	1.05	bd
3	200528R2_3	10.0	1.24	NO	34.88	1.000	6.94e4	6.61e5	10.2	1.6	1.05	bd
4	200528R2_4	200	1.23	NO	34.88	1.001	1.67e6	7.89e5	204	2.1	1.06	MM
5	200528R2_5	1500	1.23	NO	34.88	1.000	1.47e7	9.34e5	1520	1.5	1.05	bd
6	200528R2_6	50.0	1.23	NO	34.89	1.000	3.25e5	6.04e5	52.1	4.1	1.08	bd

.51

Compound name: 1,2,3,6,7,8-HxCDD Response Factor: 0.892293 RRF SD: 0.0561127, Relative SD: 6.28859 Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area) Curve type: RF

04	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.23	NO	34.97	1.001	9.27e3	9.27e5	1.12	-10.3	0.800	db
2	200528R2_2	2.50	1.25	NO	34.99	1.001	1.90e4	8.61e5	2.47	-1.1	0.883	db
3	200528R2_3	10.0	1.24	NO	34.99	1.000	8.01 e 4	8.39e5	10.7	7.0	0.954	db
4	200528R2_4	200	1.22	NO	34.99	1.001	1.92e6	1.03e6	209	4.3	0.931	ММ
5	200528R2_5	1500	1.23	NO	34.99	1.000	1.61e7	1.17e6	1550	3.5	0.923	db
6	200528R2_6	50.0	1.24	NO	35.00	1.001	3.51e5	8.15e5	48.3	-3.4	0.862	db

Compound name: 1,2,3,7,8,9-HxCDD Response Factor: 0.886936 RRF SD: 0.0582559, Relative SD: 6.56822 Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area) Curve type: RF

Std. Conc RA n/y RT RRT IS Resp Conc. %Dev RRF X = dropped Name Resp 200528R2_1 1.25 1.20 NO 35.25 1.000 8.14e3 8.33e5 1.10 -11.9 0.782 bb 2 200528R2_2 2.50 NO -2.3 0.866 1.21 35.27 1.001 1.62e4 7.48e5 2.44 bb

Page 2 of 16

Dataset:	U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld
Last Altered:	Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
Printed:	Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 1,2,3,7,8,9-HxCDD

1. 1. C. 10	Name	Std. Conc	RA	n/y	RŤ	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	10.0	1.26	NO	35.26	1.000	7.01e4	7.53e5	10.5	4.9	0.931	bb
4	200528R2_4	200	1.20	NO	35.26	1.000	1.70e6	9.12e5	210	4.9	0.931	bb
5	200528R2_5	1500	1.22	NO	35.27	1.000	1.47e7	1.06e6	1570	4.5	0.927	bb
6	200528R2_6	50.0	1.24	NO	35.27	1.000	3.12e5	7.05e5	49.9	-0.2	0.886	bb

Compound name: 1,2,3,4,6,7,8-HpCDD Response Factor: 0.863903 RRF SD: 0.0694586, Relative SD: 8.04009 Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area) Curve type: RF

1355	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	0.99	NO	38.78	1.000	6.10e3	6.48e5	1.09	-12.8	0.753	MM
2	200528R2_2	2.50	1.05	NO	38.81	1.001	1.21e4	6.01e5	2.33	-6.7	0.806	bb
3	200528R2_3	10.0	1.03	NO	38.80	1.000	4.99e4	5.57e5	10.4	3.7	0.896	bd
4	200528R2_4	200	1.02	NO	38.80	1.000	1.25e6	6.86e5	211	5.5	0.911	bb
5	200528R2_5	1500	1.01	NO	38.81	1.000	1.15e7	8.18e5	1620	8.0	0.933	bb
6	200528R2_6	50.0	1.03	NO	38.81	1.000	2.29e5	5.18e5	51.2	2.4	0.884	MM

Compound name: OCDD

Response Factor: 0.913637 RRF SD: 0.0452527, Relative SD: 4.95303 Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area) Curve type: RF

12 2	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	2.50	0.85	NO	41.76	1.000	1.23e4	1.18e6	2.27	-9.1	0.831	bd
2	200528R2_2	5.00	0.83	NO	41.77	1.000	2.39e4	1.05e6	4.97	-0.6	0.908	bd
3	200528R2_3	20.0	0.89	NO	41.78	1.000	9.89e4	1.03e6	21.0	4.9	0.959	MM
4	200528R2_4	400	0.87	NO	41.77	1.000	2.45e6	1.35e6	397	-0.6	0.908	MM
5	200528R2_5	3000	0.84	NO	41.79	1.000	2.37e7	1.67e6	3100	3.2	0.943	MM
6	200528R2_6	100	0.88	NO	41.78	1.000	4.53e5	9.71e5	102	2.2	0.933	MM

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Allereu.	Thursday, May 20, 2020 4.52.00 FW Facilic Daylight Think
Printed:	Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 2,3,7,8-TCDF Response Factor: 0.75098 REF SD: 0.0524401, Relative SD: 6.98288 Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area) Curve type: RF

- P-S	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	0.250	0.73	NO	25.67	1.001	3.27e3	1.95e6	0.223	-10.9	0.669	bb
2	200528R2_2	0.500	0.75	NO	25.67	1.001	6.53e3	1.78e6	0.488	-2.3	0.733	bb
3	200528R2_3	2.00	0.74	NO	25.68	1.001	2.67e4	1.80e6	1.97	-1.4	0.740	bb
4	200528R2_4	40.0	0.76	NO	25.68	1.001	6.52e5	2.04e6	42.6	6.5	0.800	bb
5	200528R2_5	300	0.75	NO	25.69	1.001	5.00e6	2.04e6	326	8.6	0.816	bb
6	200528R2_6	10.0	0.74	NO	25.69	1.001	1.19e5	1.59e6	9.96	-0.4	0.748	bb

Compound name: 1,2,3,7,8-PeCDF Response Factor: 0.892531 RRF SD: 0.0599961, Relative SD: 6.72201 Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area) Curve type: RF

1000	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.61	NO	30.20	1.000	1.46e4	1.50e6	1.09	-12.9	0.777	bb
2	200528R2_2	2.50	1.55	NO	30.23	1.000	3.08e4	1.37e6	2.52	0.8	0.900	bd
3	200528R2_3	10.0	1.55	NO	30.23	1.000	1.31e5	1.38e6	10.7	7.0	0.955	bb
4	200528R2_4	200	1.54	NO	30.23	1.000	2.94e6	1.63e6	203	1.4	0.905	bb
5	200528R2_5	1500	1.54	NO	30.23	1.000	2.38e7	1.75e6	1520	1.3	0.904	bb
6	200528R2_6	50.0	1.57	NO	30.25	1.000	5.72e5	1.25e6	51.2	2.5	0.915	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 0.934777 RRF SD: 0.0507076, Relative SD: 5.42456 Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area) Curve type: RF

1.0	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.56	NO	31.19	1.000	1.48e4	1.42e6	1.12	-10.8	0.834	bb
2	200528R2_2	2.50	1.55	NO	31.21	1.000	3.19e4	1.35e6	2.52	0.8	0.943	bd

Dataset:	U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered:	Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
Printed:	Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	10.0	1.55	NO	31.21	1.000	1.34e5	1.38e6	10.4	3.7	0.969	bb
4	200528R2_4	200	1.54	NO	31.21	1.000	3.00e6	1.57e6	204	2.2	0.955	bb
5	200528R2_5	1500	1.53	NO	31.21	1.000	2.45e7	1.69e6	1550	3.4	0.967	bb
6	200528R2_6	50.0	1.57	NO	31.22	1.000	5.81e5	1.24e6	50.3	0.7	0.941	bb

Compound name: 1,2,3,4,7,8-HxCDF Response Factor: 0.884459 RRF SD: 0.0674086, Relative SD: 7.62145 Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area) Curve type: RF

2 14 1	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.25	NO	33.99	1.001	8.98e3	9.42e5	1.08	-13.8	0.762	bd
2	200528R2_2	2.50	1.19	NO	33.99	1.000	1.81e4	8.49e5	2.41	-3.7	0.852	bđ
3	200528R2_3	10.0	1.22	NO	34.01	1.001	7.91e4	8.47e5	10.6	5.6	0.934	bd
4	200528R2_4	200	1.18	NO	33.99	1.000	1.87e6	1.02e6	208	3.9	0.919	bđ
5	200528R2_5	1500	1.19	NO	34.01	1.000	1.61e7	1.15e6	1590	5.8	0.936	bđ
6	200528R2_6	50.0	1.21	NO	34.01	1.000	3.56e5	7.87e5	51.1	2.2	0.904	bd

Compound name: 1,2,3,6,7,8-HxCDF Response Factor: 0.889174 RRF SD: 0.0479606, Relative SD: 5.39384 Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area) Curve type: RF

1.8	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.16	NO	34.11	1.001	1.07e4	1.07e6	1.12	-10.7	0.794	MM
2	200528R2_2	2.50	1.25	NO	34.12	1.000	2.16e4	9.70e5	2.50	0.1	0.890	MM
3	200528R2_3	10.0	1.28	NO	34.12	1.000	9.20e4	1.01e6	10.3	2.7	0.914	MM
4	200528R2_4	200	1.18	NO	34.12	1.001	2.16e6	1.18e6	206	2.8	0.914	db
5	200528R2_5	1500	1.19	NO	34.12	1.000	1.80e7	1.33e6	1520	1.2	0.900	db
6	200528R2_6	50.0	1.25	NO	34.13	1.000	4.22e5	9.14e5	51.9	3.8	0.923	MM

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered:	Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
Printed:	Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 2,3,4,6,7,8-HxCDF Response Factor: 0.934102 RRF SD: 0.0631666, Relative SD: 6.76228 Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area) Curve type: RF

1.2.00	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.09	NO	34.70	1.001	9.51e3	9.22e5	1.10	-11.7	0.825	bb
2	200528R2_2	2.50	1.26	NO	34.71	1.001	1.93e4	8.66e5	2.38	-4.7	0.890	bb
3	200528R2_3	10.0	1.25	NO	34.71	1.000	8.53e4	8.69e5	10.5	5.2	0.982	bd
4	200528R2_4	200	1.19	NO	34.71	1.001	2.00e6	1.04e6	207	3.3	0.965	bb
5	200528R2_5	1500	1.19	NO	34.72	1.001	1.72e7	1.18e6	1560	4.1	0.972	bb
6	200528R2_6	50.0	1.25	NO	34.72	1.000	3.88e5	8.00e5	51.9	3.9	0.971	bb

.

Compound name: 1,2,3,7,8,9-HxCDF Response Factor: 0.870707

RRF SD: 0.0533625, Relative SD: 6.12863 Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area) Curve type: RF

Then Pox 1	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 .	200528R2_1	1.25	1.19	NO	35.61	1.001	7.48e3	7.73e5	1.11	-11.0	0.775	bb
2 🐔	200528R2_2	2.50	1.12	NO	35.61	1.000	1.48e4	7.04e5	2.42	-3.1	0.844	bb
3	200528R2_3	10.0	1.24	NO	35.62	1.000	6.49e4	7.27e5	10.3	2.5	0.892	bd
4	200528R2_4	200	1.20	NO	35.62	1.001	1.60e6	8.84e5	208	3.9	0.904	bb
5	200528R2_5	1500	1.20	NO	35.63	1.000	1.40e7	1.02e6	1580	5.6	0.919	bb
6	200528R2_6	50.0	1.22	NO	35.63	1.000	2.98e5	6.70e5	51.1	2.2	0.890	bb

Compound name: 1,2,3,4,6,7,8-HpCDF Response Factor: 0.873391

RRF SD: 0.0600077, Relative SD: 6.87065 Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	1.25	1.03	NO	37.37	1.000	6.77e3	7.13e5	1.09	-13.1	0.759	bb
2	200528R2_2	2.50	0.94	NO	37.40	1.001	1.40e4	6.49e5	2.48	-0.9	0.866	bb

Page 6 of 16

Quantify Compound Summary Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 1,2,3,4,6,7,8-HpCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	10.0	1.00	NO	37.40	1.001	5.72e4	6.48e5	10.1	1.0	0.883	bd
4	200528R2_4	200	0.99	NO	37.39	1.000	1.43e6	7.67e5	213	6.5	0.930	bb
5	200528R2_5	1500	1.00	NO	37.40	1.000	1.28e7	9.39e5	1560	3.7	0.906	bb
6	200528R2_6	50.0	0.98	NO	37.41	1.001	2.64e5	5.89e5	51.4	2.7	0.897	bb

Compound name: 1,2,3,4,7,8,9-HpCDF Response Factor: 1.01285 RRF SD: 0.106215, Relative SD: 10.4867 Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area) Curve type: RF

183	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 .	200528R2_1	1.25	0.99	NO	39.33	1.001	5.26e3	5.09e5	1.02	-18.4	0.827	bb
2	200528R2_2	2.50	0.98	NO	39.33	1.000	1.03e4	4.36e5	2.33	-6.7	0.945	bb
3	200528R2_3	10.0	1.01	NO	39.34	1.000	4.43e4	4.19e5	10.4	4.3	1.06	MM
4	200528R2_4	200	0.98	NO	39.33	1.000	1.13e6	5.18e5	214	7.2	1.09	bb
5	200528R2_5	1500	1.00	NO	39.34	1.000	1.05e7	6.39e5	1620	8.2	1.10	bb
6	200528R2_6	50.0	0.98	NO	39.34	1.000	2.00e5	3.75e5	52.7	5.4	1.07	bb

Compound name: OCDF Response Factor: 0.806476 RRF SD: 0.0306481, Relative SD: 3.80025 Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Riesp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	2.50	0.87	NO	41.96	1.000	1.27e4	1.35e6	2.33	-6.6	0.753	bb
2	200528R2_2	5.00	0.84	NO	41.96	1.000	2.40e4	1.22e6	4.89	-2.2	0.789	bb
3	200528R2_3	20.0	0.86	NO	41.96	1.000	9.80e4	1.18e6	20.6	3.0	0.831	bb
4	200528R2_4	400	0.87	NO	41.96	1.000	2.54e6	1.57e6	402	0.5	0.810	bb
5	200528R2_5	3000	0.88	NO	41.98	1.000	2.39e7	1.92e6	3090	3.1	0.831	bb
6	200528R2_6	100	0.85	NO	41.97	1.000	4.44e5	1.08e6	102	2.3	0.825	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 13C-2,3,7,8-TCDD Response Factor: 1.15633 RRF SD: 0.0999567, Relative SD: 8.64433 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.80	NO	26.54	1.026	1.43e6	1.11e6	111	11.2	1.29	bb
2	200528R2_2	100	0.79	NO	26.54	1.025	1.29e6	1.24e6	89.8	-10.2	1.04	bb
3	200528R2_3	100	0.79	NO	26.54	1.025	1.31e6	1.26e6	89.8	-10.2	1.04	bb
4	200528R2_4	100	0.79	NO	26.54	1.025	1.50e6	1.26e6	103	2.8	1.19	bb
5	200528R2_5	100	0.78	NO	26.56	1.025	1.52e6	1.24e6	106	5.5	1.22	bb
6	200528R2_6	100	0.79	NO	26.56	1.025	1.16 e 6	9.95e5	101	0.8	1.17	bb

Compound name: 13C-1,2,3,7,8-PeCDD Response Factor: 0.848975 RRF SD: 0.0899186, Relative SD: 10.5914 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area) Curve type: RF

D. C.	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.64	NO	31.48	1.216	1.00e6	1.11e6	107	6.6	0.905	bb
2	200528R2_2	100	0.63	NO	31.50	1.216	9.36e5	1.24e6	88.7	-11.3	0.753	bb
3	200528R2_3	100	0.63	NO	31.50	1.216	9.29e5	1.26e6	86.8	-13.2	0.737	bb
4	200528R2_4	100	0.64	NO	31.50	1.216	1.11e6	1.26e6	103	3.3	0.877	bb
5	200528R2_5	100	0.64	NO	31.50	1.215	1.21e6	1.24e6	114	14.3	0.970	bb
6	200528R2_6	100	0.64	NO	31.50	1.215	8.48e5	9.95e5	100	0.3	0.852	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.778953 RRF SD: 0.096377, Relative SD: 12.3726 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

State of the local division in which the	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.27	NO	34.85	1.014	6.95e5	8.40e5	106	6.2	0.827	bd
2	200528R2_2	100	1.28	NO	34.87	1.014	6.46e5	9.66e5	85.9	-14,1	0.669	bd

Quantify Compound Summary Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

Dataset:	U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld
Last Altered:	Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
Printed:	Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8-HxCDD

1200	Name	Std. Conc	RA	ħ/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	100	1.27	NO	34.87	1.014	6.61e5	9.75e5	87.0	-13.0	0.678	bd
4	200528R2_4	100	1.28	NO	34.86	1.014	7.89e5	9.81e5	103	3.4	0.805	bd
5	200528R2_5	100	1.28	NO	34.87	1.014	9.34e5	1.01e6	119	18.6	0.924	bd
6	200528R2_6	100	1.27	NO	34.88	1.014	6.04e5	7.84e5	98.9	-1.1	0.770	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD Response Factor: 1.01669 RRF SD: 0.116266, Relative SD: 11.4358 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

1221	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.27	NO	34.95	1.017	9.27e5	8.40e5	108	8.5	1.10	db
2	200528R2_2	100	1.27	NO	34.96	1.017	8.61e5	9.66e5	87.7	-12.3	0.891	db
3	200528R2_3	100	1.26	NO	34.97	1.017	8.39e5	9.75e5	84.7	-15.3	0.861	db
4	200528R2_4	100	1.25	NO	34.96	1.017	1.03e6	9.81e5	104	3.5	1.05	db
5	200528R2_5	100	1.27	NO	34.97	1.017	1.17e6	1.01e6	113	13.4	1.15	db
6	200528R2_6	100	1.23	NO	34.97	1.017	8.15e5	7.84e5	102	2.3	1.04	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.902653 RRF SD: 0.11238, Relative SD: 12.45 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

1. 10 - 24	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.23	NO	35.24	1.025	8.33e5	8.40e5	110	9.8	0.991	bb
2	200528R2_2	100	1.26	NO	35.25	1.025	7.48e5	9.66e5	85.8	-14.2	0.774	bb
3	200528R2_3	100	1.28	NO	35.25	1.025	7.53e5	9.75e5	85.6	-14.4	0.773	bd
4	200528R2_4	100	1.23	NO	35.25	1.025	9.12e5	9.81e5	103	3.1	0.930	MM
5	200528R2_5	100	1.26	NO	35.26	1.025	1.06e6	1.01e6	116	16.1	1.05	bb
6	200528R2_6	100	1.18	NO	35.26	1.025	7.05e5	7.84e5	99.6	-0.4	0.899	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered:	Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
Printed:	Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,7,8-HpCDD Response Factor: 0.689179 RRF SD: 0.0899136, Relative SD: 13.0465 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.06	NO	38.77	1.128	6.48e5	8.40e5	112	11.9	0.771	MM
2	200528R2_2	100	1.04	NO	38.78	1.128	6.01e5	9.66e5	90.2	-9.8	0.622	bd
3	200528R2_3	100	1.12	NO	38.79	1.128	5.57e5	9.75e5	83.0	-17.0	0.572	bd
4	200528R2_4	100	1.04	NO	38.78	1.128	6.86e5	9.81e5	102	1.6	0.700	MM
5	200528R2_5	100	1.03	NO	38.80	1.128	8.18e5	1.01e6	117	17.4	0.809	bb
6	200528R2_6	100	1.04	NO	38.80	1.128	5.18e5	7.84e5	95.9	-4.1	0.661	bd

Compound name: 13C-OCDD Response Factor: 0.652099 RRF SD: 0.111511, Relative SD: 17.1002 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 -	200528R2_1	200	0.89	NO	41.75	1.215	1.18e6	8.40e5	216	7.8	0.703	MM
2	200528R2_2	200	0.89	NO	41.76	1.215	1.05e6	9.66e5	167	-16.3	0.546	MM
3	200528R2_3	200	0.91	NO	41.76	1.214	1.03e6	9.75e5	162	-18.9	0.529	bd
4	200528R2_4	200	0.90	NO	41.76	1.215	1.35e6	9.81e5	211	5.7	0.689	bd
5	200528R2_5	200	0.93	NO	41.78	1.215	1.67e6	1.01e6	254	26.9	0.827	bd
6	200528R2_6	200	0.88	NO	41.77	1.215	9.71e5	7.84e5	190	-5.1	0.619	bd

Compound name: 13C-2,3,7,8-TCDF Response Factor: 1.05898 RRF SD: 0.0854755, Relative SD: 8.07146 Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area) Curve type: RF

A REAL PROPERTY AND	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.76	NO	25.65	0.991	1.95e6	1.65e6	112	12.1	1.19	bb
2	200528R2_2	100	0.77	NO	25.66	0.991	1.78e6	1.83e6	92.1	-7.9	0.975	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 13C-2,3,7,8-TCDF

-

618	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	100	0.78	NO	25.66	0.991	1.80e6	1.89e6	90.1	-9.9	0.955	bb
4	200528R2_4	100	0.78	NO	25.66	0.991	2.04e6	1.91e6	101	1.0	1.07	bb
5	200528R2_5	100	0.78	NO	25.67	0.991	2.04e6	1.85e6	104	4.2	1.10	bb
6	200528R2_6	100	0.77	NO	25.68	0.991	1.59e6	1.49e6	101	0.5	1.06	bb

Compound name: 13C-1,2,3,7,8-PeCDF Response Factor: 0.837982 RRF SD: 0.0870192, Relative SD: 10.3844 Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area) Curve type: RF

-37	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.59	NO	30.20	1.167	1.50e6	1.65e6	109	9.0	0.913	bb
2	200528R2_2	100	1.59	NO	30.22	1.167	1.37e6	1.83e6	89.3	-10.7	0.748	bb
3	200528R2_3	100	1.59	NO	30.22	1.167	1.38e6	1.89e6	86.9	-13.1	0.728	bb
4	200528R2_4	100	1.61	NO	30.22	1.167	1.63 e 6	1.91e6	102	1.9	0.854	bb
5	200528R2_5	100	1.63	NO	30.22	1.166	1.75e6	1.85e6	113	12.9	0.946	bb
6	200528R2_6	100	1.60	NO	30.23	1.166	1.25e6	1.49e6	100	0.0	0.838	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.816557 RRF SD: 0.0702322, Relative SD: 8.60101 Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area) Curve type: RF

1 1.1	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	1.60	NO	31.18	1.204	1.42e6	1.65e6	106	5.9	0.865	db
2 .	200528R2_2	100	1.57	NO	31.19	1.204	1.35 e 6	1.83e6	90.7	-9.3	0.741	db
3	200528R2_3	100	1.61	NO	31.19	1.204	1.38e6	1.89e6	89.4	-10.6	0.730	db
4	200528R2_4	100	1.61	NO	31.19	1.204	1.57e6	1.91e6	101	1.0	0.825	db
5	200528R2_5	100	1.60	NO	31.19	1.204	1.69e6	1.85e6	112	11.5	0.911	bb
6	200528R2_6	100	1.59	NO	31.21	1.204	1.24e6	1.49e6	101	1.4	0.828	db

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8-HxCDF Response Factor: 1.00752 RRF SD: 0.115021, Relative SD: 11.4162 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

- The	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.50	NO	33.97	0.988	9.42e5	8.40e5	111	11.3	1.12	bd
2	200528R2_2	100	0.50	NO	33.98	0.988	8.49e5	9.66e5	87.2	-12.8	0.878	bd
3.	200528R2_3	100	0.50	NO	33.98	0.988	8.47e5	9.75e5	86.2	-13.8	0.869	bd
4	200528R2_4	100	0.50	NO	33.98	0.988	1.02e6	9.81e5	103	3.0	1.04	bd
5	200528R2_5	100	0.50	NO	33.99	0.988	1.15e6	1.01e6	113	12.7	1.14	bd
6	200528R2_6	100	0.50	NO	33.99	0.988	7.87e5	7.84e5	99.6	-0.4	1.00	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF Response Factor: 1.16702 RRF SD: 0.127304, Relative SD: 10.9085 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

1.1	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.50	NO	34.09	0.992	1.07e6	8.40e5	110	9.5	1.28	db
2	200528R2_2	100	0.51	NO	34.11	0.992	9.70e5	9.66e5	86.1	-13.9	1.00	db
3	200528R2_3	100	0.51	NO	34.11	0.992	1.01e6	9.75e5	88.5	-11.5	1.03	db
4	200528R2_4	100	0.51	NO	34.10	0.992	1.18e6	9.81e5	103	3.1	1.20	db
5	200528R2_5	100	0.51	NO	34.11	0.992	1.33e6	1.01e6	113	13.0	1.32	db
6	200528R2_6	100	0.50	NO	34.12	0.992	9.14e5	7.84e5	99.8	-0.2	1.17	db

Compound name: 13C-2,3,4,6,7,8-HxCDF Response Factor: 1.02186 RRF SD: 0.110658, Relative SD: 10.829 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

100	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.51	NO	34.68	1.009	9.22e5	8.40e5	107	7.4	1.10	bb
2	200528R2_2	100	0.50	NO	34.69	1.009	8.66e5	9.66e5	87.7	-12.3	0.896	bb

Quantify Compound Summary Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

Dataset:	U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld
Last Altered:	Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
Printed:	Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 13C-2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	100	0.51	NO	34.70	1.009	8.69e5	9.75e5	87.2	-12.8	0.891	bb
4	200528R2_4	100	0.51	NO	34.69	1.009	1.04e6	9.81e5	104	3.6	1.06	bb
5	200528R2_5	100	0.50	NO	34.70	1.009	1.18e6	1.01e6	114	14.3	1.17	bb
6	200528R2_6	100	0.51	NO	34.71	1.009	8.00e5	7.84e5	99.8	-0.2	1.02	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF Response Factor: 0.859541 RRF SD: 0.107178, Relative SD: 12.4692 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

27.00	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.51	NO	35.59	1.036	7.73e5	8.40e5	107	7.0	0.919	MM
2	200528R2_2	100	0.50	NO	35.61	1.036	7.04e5	9.66e5	84.8	-15.2	0.729	MM
3	200528R2_3	100	0.50	NO	35.61	1.036	7.27e5	9.75e5	86.8	-13.2	0.746	MM
4	200528R2_4	100	0.49	NO	35.60	1.036	8.84e5	9.81e5	105	4.9	0.902	bb
5	200528R2_5	100	0.51	NO	35.62	1.036	1.02e6	1.01e6	117	17.3	1.01	bb
6	200528R2_6	100	0.51	NO	35.6 3	1.036	6.70e5	7.84e5	99.3	-0.7	0.854	bd

Compound name: 13C-1,2,3,4,6,7,8-HpCDF

Response Factor: 0.774499 RRF SD: 0.102271, Relative SD: 13.2048 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.44	NO	37.37	1.087	7.13e5	8.40e5	110	9.6	0.849	bd
2	200528R2_2	100	0.42	NO	37.38	1.087	6.49e5	9.66e5	86.7	-13.3	0.672	bb
3	200528R2_3	100	0.44	NO	37.38	1.087	6.48e5	9.75e5	85.9	-14.1	0.665	bd
4	200528R2_4	100	0.44	NO	37.38	1.087	7.67e5	9.81e5	101	0.9	0.782	bb
5	200528R2_5	100	0.44	NO	37.39	1.087	9.39e5	1.01e6	120	19.9	0.928	bd
6	200528R2_6	100	0.43	NO	37.39	1.087	5.89e5	7.84e5	97.0	-3.0	0.751	bb

Quantify Compound Summary Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

Dataset:	U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld
Last Altered:	Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8,9-HpCDF Response Factor: 0.520991 RRF SD: 0.083066, Relative SD: 15.9439 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.43	NO	39.31	1.144	5.09e5	8.40e5	116	16.3	0.606	MM
2	200528R2_2	100	0.42	NO	39.32	1.144	4.36e5	9.66e5	86.7	-13.3	0.452	bb
3	200528R2_3	100	0.42	NO	39.33	1.144	4.19e5	9.75e5	82.5	-17.5	0.430	MM
4	200528R2_4	100	0.42	NO	39.32	1.144	5.18e5	9.81e5	101	1.4	0.529	MM
5	200528R2_5	100	0.44	NO	39.33	1.144	6.39e5	1.01e6	121	21.3	0.632	bb
6	200528R2_6	100	0.43	NO	39.34	1.144	3.75e5	7.84e5	91.8	-8.2	0.478	bd

Compound name: 13C-OCDF Response Factor: 0.745653 RRF SD: 0.129429, Relative SD: 17.3579 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

11000	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	200	0.87	NO	41.94	1.220	1.35e6	8.40e5	215	7.6	0.803	bb
2	200528R2_2	200	0.83	NO	41.95	1.220	1.22e6	9.66e5	169	-15.4	0.631	bb
3	200528R2_3	200	0.90	NO	41.96	1.220	1.18e6	9.75e5	162	-18.8	0.605	bd
4	200528R2_4	200	0.88	NO	41.95	1.220	1.57e6	9.81e5	215	7.3	0.800	MM
5	200528R2_5	200	0.88	NO	41.97	1.220	1.92e6	1.01e6	254	27.2	0.949	bb
6	200528R2_6	200	0.90	NO	41.96	1.220	1.08e6	7.84e5	184	-7.9	0.687	MM

Compound name: 37CI-2,3,7,8-TCDD Response Factor: 1.03685 RRF SD: 0.126311, Relative SD: 12.1822 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area) Curve type: RF

1	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	0.250			26.57	1.027	2.71e3	1.11e6	0.235	-5.9	0.976	bb
2	200528R2_2	0.500			26.56	1.025	5.67e3	1.24e6	0.440	-11.9	0.913	bb

Page 14 of 16

Quantify Compound Summary Report Vista Analytical Laboratory MassLynx 4.1 SCN815

Dataset:	U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld
Last Altered: Printed:	Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 37CI-2,3,7,8-TCDD

1000	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200528R2_3	2.00			26.57	1.026	2.30e4	1.26e6	1.76	-12.0	0.912	bd
4	200528R2_4	40.0			26.56	1.025	5.78e5	1.26e6	44.1	10.2	1.14	bb
5	200528R2_5	200			26.57	1.025	3.03e6	1.24e6	235	17.7	1.22	bb
6	200528R2_6	10.0			26.59	1.026	1.05e5	9.95e5	10.2	2.1	1.06	bb

Compound name: 13C-1,2,3,4-TCDD **Response Factor: 1** RRF SD: 0, Relative SD: 0 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.80	NO	25.89	1.000	1.11e6	1.11e6	100	0.0	1.00	bb
2	200528R2_2	100	0.81	NO	25.90	1.000	1.24e6	1.24e6	100	0.0	1.00	bb
3	200528R2_3	100	0.80	NO	25.90	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
4	200528R2_4	100	0.80	NO	25.90	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
5	200528R2_5	100	0.80	NO	25.92	1.000	1.24e6	1.24e6	100	0.0	1.00	bb
6	200528R2_6	100	0.80	NO	25.92	1.000	9.95e5	9.95e5	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF Response Factor: 1 RRF SD: 0, Relative SD: 0 Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area) Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.78	NO	24.22	1.000	1.65e6	1.65e6	100	0.0	1.00	bb
2	200528R2_2	100	0.78	NO	24.22	1.000	1.83e6	1.83e6	100	0.0	1.00	bb
3	200528R2_3	100	0.78	NO	24.22	1.000	1.89e6	1.89e6	100	0.0	1.00	bb
4	200528R2_4	100	0.79	NO	24.22	1.000	1.91e6	1.91e6	100	0.0	1.00	bb
5	200528R2_5	100	0.79	NO	24.24	1.000	1.85e6	1.85e6	100	0.0	1.00	bb
6	200528R2_6	100	0.77	NO	24.24	1.000	1.49e6	1.49e6	100	0.0	1.00	bb

-5

Dataset:U:\VG12.PRO\Results\200528R2\200528R2-CRV.qldLast Altered:Thursday, May 28, 2020 4:52:08 PM Pacific Daylight TimePrinted:Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,9-HxCDF Response Factor: 1 RRF SD: 0, Relative SD: 0 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area) Curve type: RF

1.2.2	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200528R2_1	100	0.50	NO	34.37	1.000	8.40e5	8.40e5	100	0.0	1.00	bb
2	200528R2_2	100	0.51	NO	34.38	1.000	9.66e5	9.66e5	100	0.0	1.00	bb
3	200528R2_3	100	0.51	NO	34.39	1.000	9.75e5	9.75e5	100	0.0	1.00	bb
4	200528R2_4	100	0.51	NO	34.38	1.000	9.81e5	9.81e5	100	0.0	1.00	bb
5	200528R2_5	100	0.51	NO	34.39	1.000	1.01e6	1.01e6	100	0.0	1.00	bb
6	200528R2_6	100	0.50	NO	34.39	1.000	7.84e5	7.84e5	100	0.0	1.00	bb

	ple Summary Report MassLynx 4.1 SCN815 Il Laboratory VG-11	Page 1 of 1
Dataset:	U:\VG12.PRO\Results\200528R2\200528R2-CPSM.qld	
Last Altered: Printed:	Thursday, May 28, 2020 16:40:33 Pacific Daylight Time Thursday, May 28, 2020 16:57:10 Pacific Daylight Time	

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

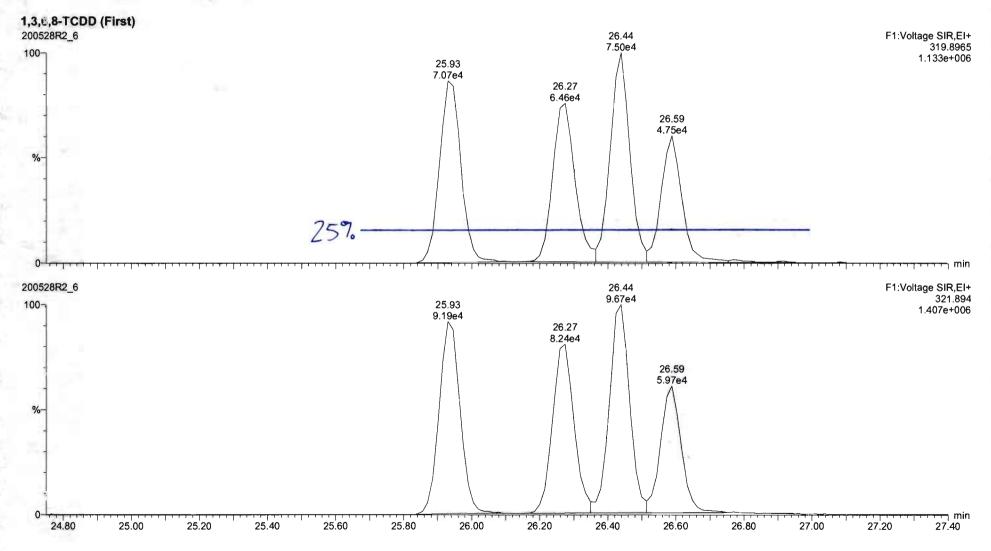
Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

-174	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.59
2	2 1,2,8,9-TCDD (Last)	27.53
3	3 1,2,4,7,9-PeCDD (First)	29.32
4	4 1,2,3,8,9-PeCDD (Last)	31.89
5	5 1,2,4,6,7,9-HxCDD (First)	33.39
6	6 1,2,3,7,8,9-HxCDD (Last)	35.27
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.81
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.81
9	9 1,3,6,8-TCDF (First)	20.44
10	10 1,2,8,9-TCDF (Last)	27.68
11	11 1,3,4,6,8-PeCDF (First)	27.64
12	12 1,2,3,8,9-PeCDF (Last)	32.14
13	13 1,2,3,4,6,8-HxCDF (First)	32.83
14	14 1,2,3,7,8,9-HxCDF (Last)	35.63
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.41
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.34

Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory VG-11		Page 1 of 1
Dataset:	U:\VG12.PRO\Results\200528R2\200528R2-CPSM.qld	
Last Altered: Printed:	Thursday, May 28, 2020 16:40:33 Pacific Daylight Time Thursday, May 28, 2020 16:57:10 Pacific Daylight Time	GPB 05/29/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Dataset: Untitled

Last Altered:	Friday, May 29, 2020 8:08:41 AM Pacific Daylight Time
Printed:	Friday, May 29, 2020 8:08:46 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Compound name: 2,3,7,8-TCDD

17553	Name	ID	Acq.Date	Acq.Time	
1	200528R2_1	ST200528R2_1 1613 CS0 19L2302	28-May-20	11:53:52	
2	200528R2_2	ST200528R2_2 1613 CS1 19L2303	28-May-20	12:41:31	
3	200528R2_3	ST200528R2_3 1613 CS2 19L2304	28-May-20	13:28.43	
4	200528R2_4	ST200528R2_4 1613 CS4 19L2306	28-May-20	14:15:50	
5	200528R2_5	ST200528R2_5 1613 CS5 19L2307	28-May-20	15:02:56	
6	200528R2_6	ST200528R2_6 1613 CS3 19L2305	28-May-20	15:50:32	
7	200528R2_7	SOLVENT BLANK	28-May-20	16:37:46	
8.	200528R2_8	SS200528R2_1 1613 SSS 19L2308	28-May-20	17:24:01	
9	200528R2_9	B0E0131-BS1 OPR 1	28-May-20	18:10:13	
10	200528R2_10	B0E0165-BS1 OPR 1	28-May-20	18:56:26	
11	200528R2_11	B0E0127-BS1 OPR 1	28-May-20	19:42:36	
12	200528R2_12	B0E0180-BS1 OPR 10	28-May-20	20:28:48	
13	200528R2_13	SOLVENT BLANK	28-May-20	21:15:00	
14	200528R2_14	B0E0180-BLK1 Method Blank 10	28-May-20	22:01:12	
15	200528R2_15	B0E0131-BLK1 Method Blank 1	28-May-20	22:47:24	
16	200528R2_16	B0E0165-BLK1 Method Blank 1	28-May-20	23:33:37	
17	200528R2_17	B0E0127-BLK1 Method Blank 1	29-May-20	00:19:48	
18	200528R2_18	2001052-01 ZID-001 1.00002	29-May-20	01:06:00	
19	200528R2_19	2001031-01 Forebay Composite (24hr) 0.95078	29-May-20	01:52:12	
20	200528R2_20	2001092-01 OF-031A BiWeekly Composite D/	29-May-20	02:38:24	

Page 1 of 1

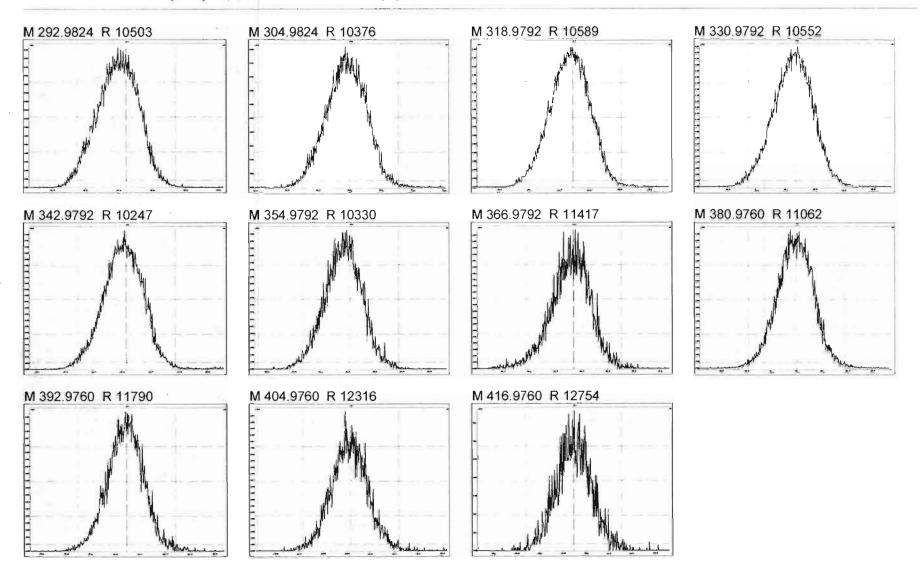
Experiment Calibration Report

MassLynx 4.1 SCN815

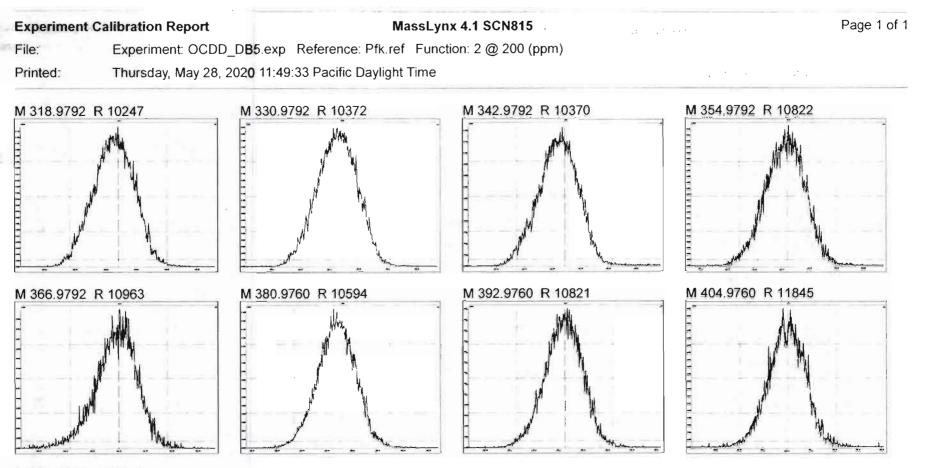
Page 1 of 1

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

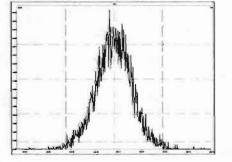
Printed: Thursday, May 28, 2020 11:48:59 Pacific Daylight Time

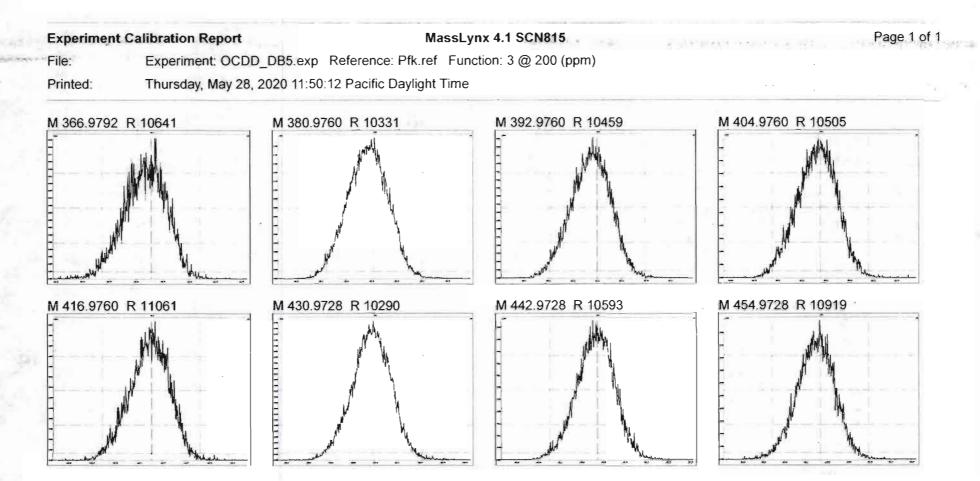


Work Order 2001155



M 416.9760 R 12018





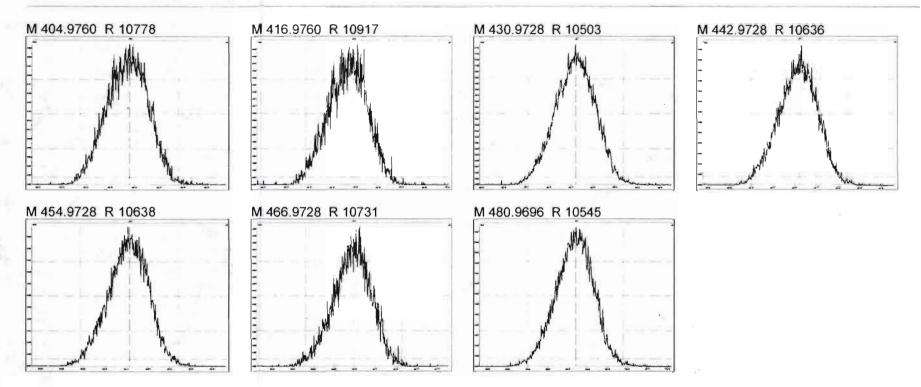
Experiment Calibration Report

MassLynx 4.1 SCN815

Page 1 of 1

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:51:03 Pacific Daylight Time



Experiment Calibration Report

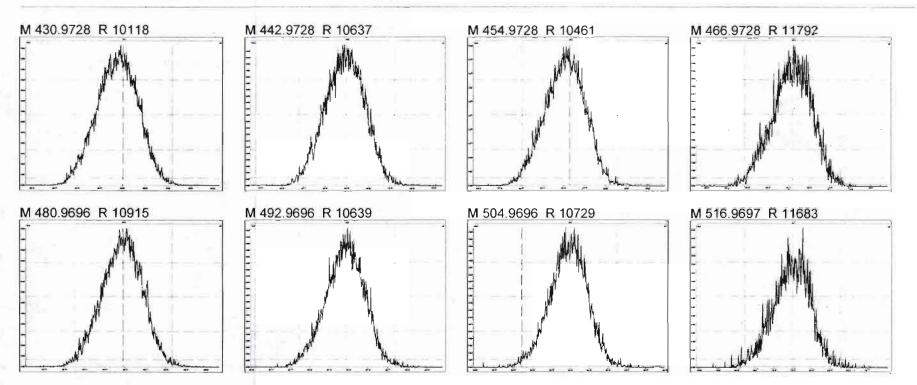
MassLynx 4.1 SCN815

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

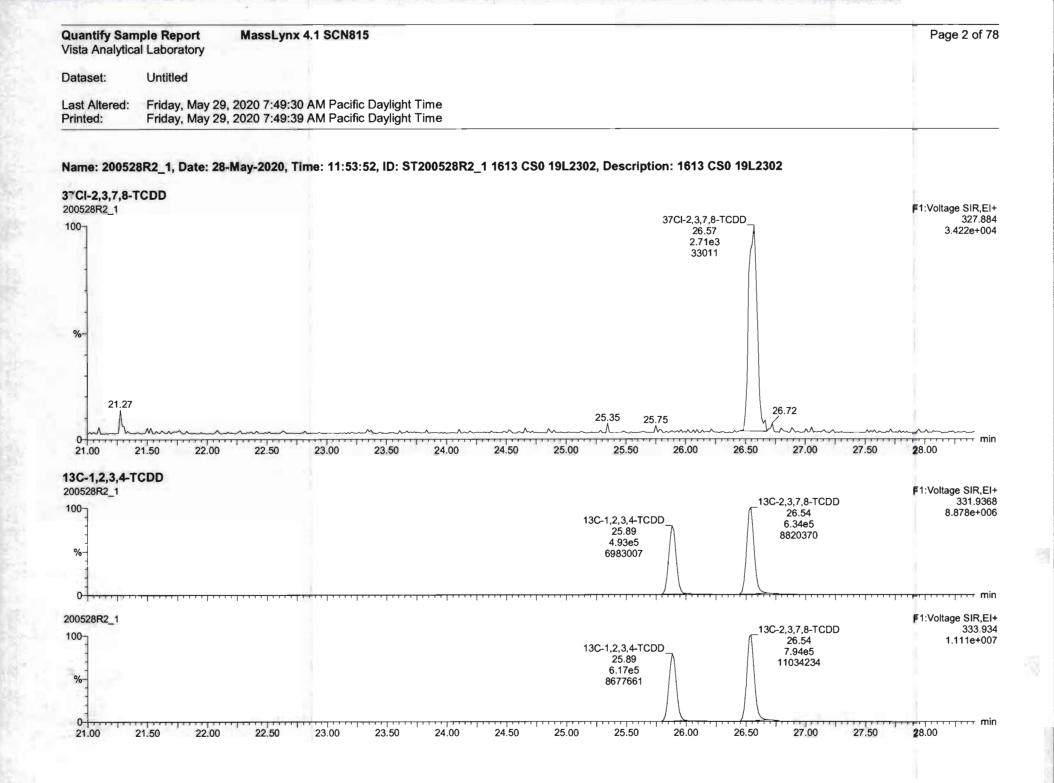
Printed:

laference

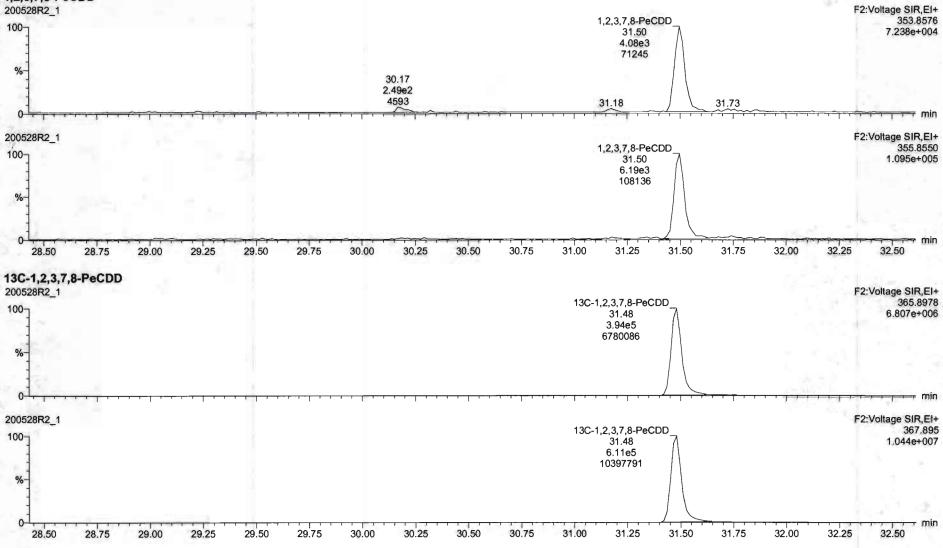
Thursday, May 28, 2020 11:51:45 Pacific Daylight Time



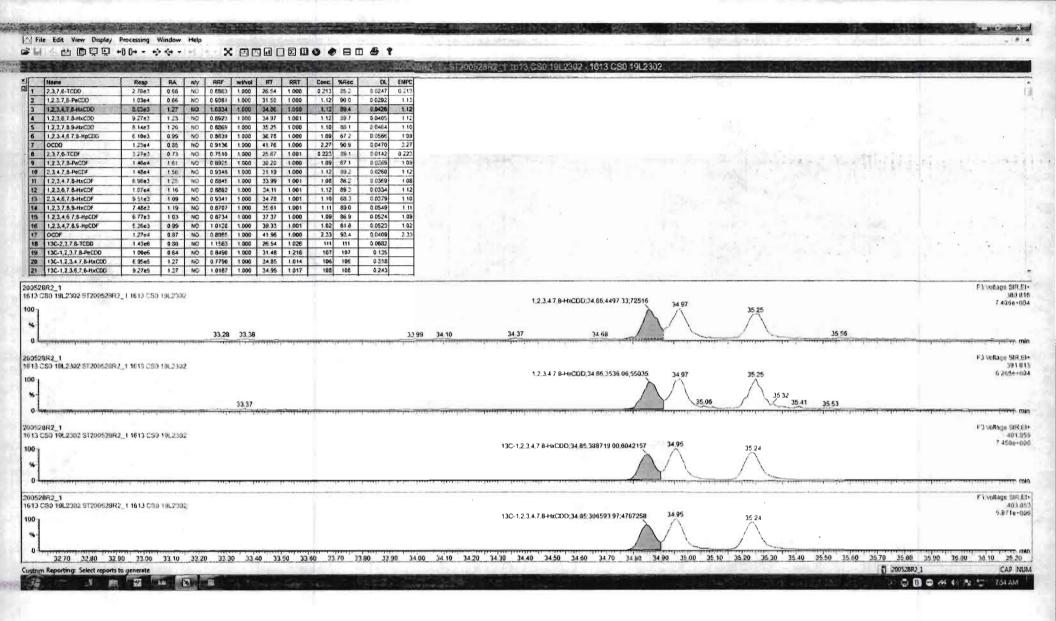
	nple Report al Laboratory	MassLynx 4.1 SC	N815							Page 1 of 7
ataset:	Untitled									
ast Altered: rinted:	Friday, May 29 Friday, May 29	, 2020 7:49:30 AM Pa , 2020 7:49:39 AM Pa	cific Daylight Tim cific Daylight Tim	e						
	/G12.PRO\MethI 29 May 2020 07:4	DB\1613rrt-05-26-20. 49:30	ndb 26 May 2020) 10:34:17						
ame: 20052	28R2_1, Date: 28	-May-2020, Time: 11	:53:52, ID: ST200	528R2_1 1613 C	S0 19L2302, Desc	ription: 1613	CS0 19L2	2302		
,3,7,8-TCDD)									
00528R2_1						1	7,8-TCDD_ 26.54 .09e3 16198			F1:Voltage SIR,E 319.890 1.766e+00
21.27	21.33 21.77 21.86	22.23 22.49 22.91 23	24 23.43 23.65 23	.83 24.21 24.36 24	4.73 24.97 25.39	3319	.15	26.89 27.11	27.44 27.58	27.94 28.04
00528R2_1										F1:Voltage SIR,E
%	21,50 21,98	22,85		24.09 24.46			7,8-TCDD 26.57 1.61e3 24757	26.93 27.13	27.56	321.8 2.625e+0
official		22.85 		24.09 24.46 24.00 24.50		26	26.57 1.61e3 24757	26.93 27.13 27.00	27.56	321.8 2.625e+0 28.00
% 21.27 0 21.00 3 C-2,3,7,8-T 00528R2_1	21.50 21.98 21.50 22.00		23.50		13C-1,2,3, 25.8 4.934	26 50 26.00 4-TCDD_ 9 e5	26.57 1.61e3 24757 .15 .26.50	27.13	27.50	321.8 2.625e+0 28.00 F1:Voltage SIR,E 331.93
% 21.27 0 21.00 3C-2,3,7,8-T 00528R2_1	21.50 21.98 21.50 22.00		23.50		13C-1,2,3, 25.8	26 50 26.00 4-TCDD_ 9 e5	26.57 1.61e3 24757 .15 .26.50	27.00 13C-2,3,7,8-TCDD 26.54 6.34e5	27.50	321.8 2.625e+0
% 21.27 0 21.00 3C-2,3,7,8-T 00528R2_1 00 %	21.50 21.98 21.50 22.00		23.50		13C-1,2,3, 25.8 4.934	26 50 26.00 4-TCDD 9 50 007 4-TCDD 99 5 007	26.57 1.61e3 24757 .15 26.50	27.00 13C-2,3,7,8-TCDD 26.54 6.34e5	·····	321.8 2.625e+0 777777777777777777777777777777777777

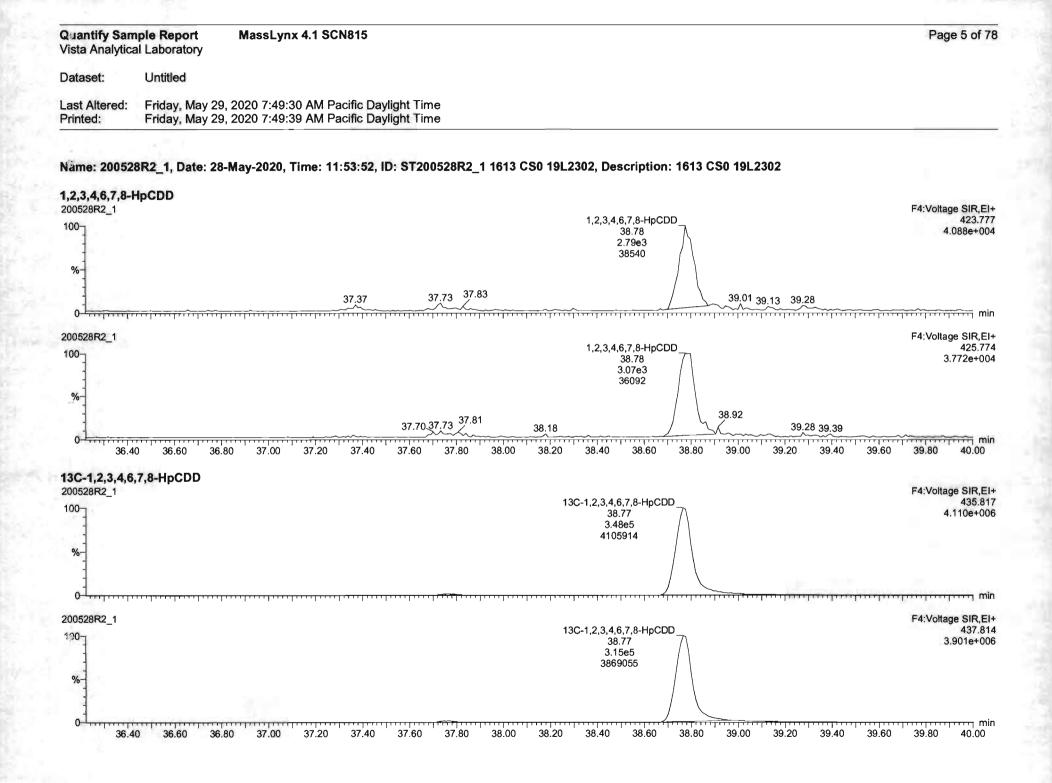


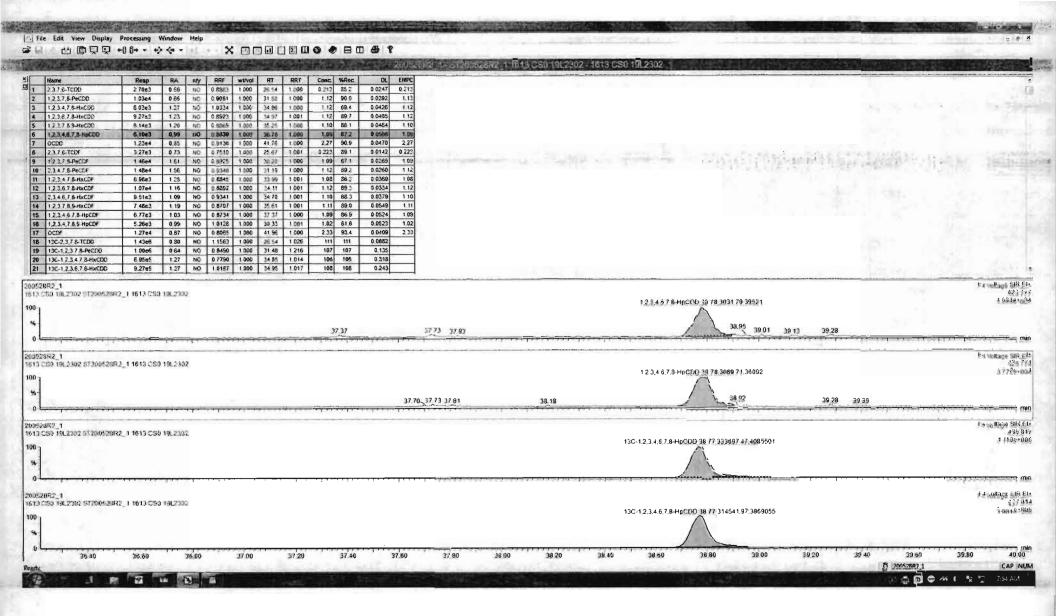
Quantify Sam Vista Analytica		Page 3 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

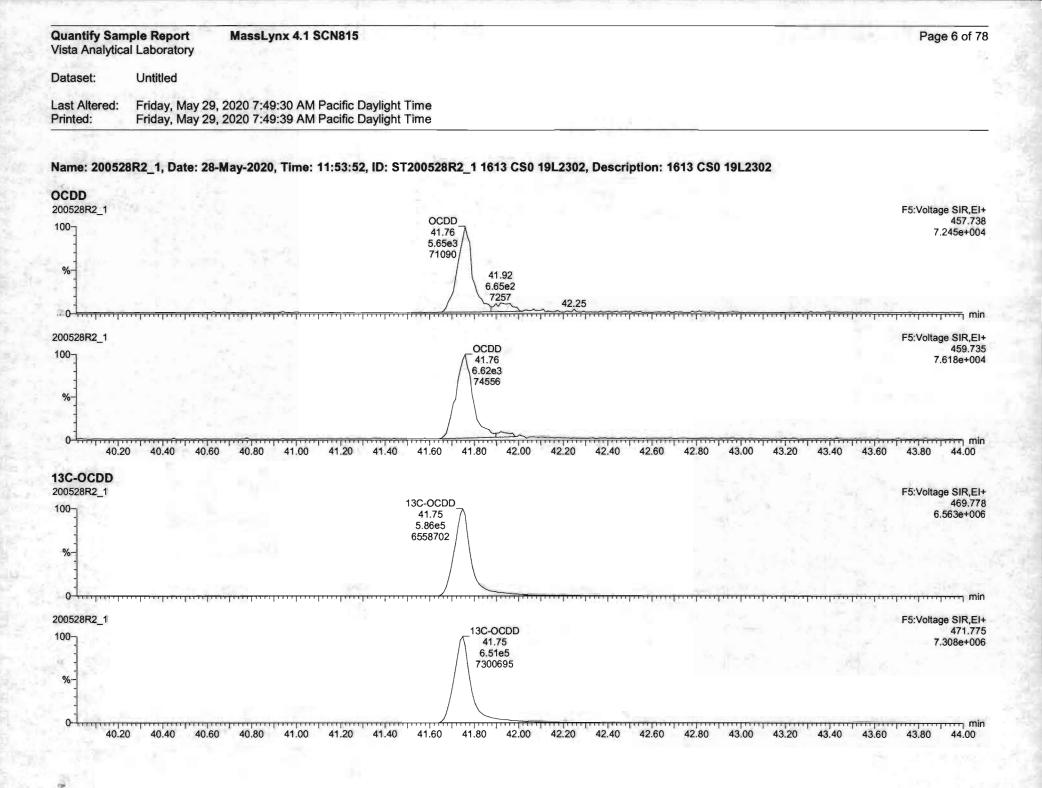


ista Analytical Laboratory	MassLynx 4.1 SCN815	Pa	age 4 of 7
ataset: Untitled			
	29, 2020 7:49:30 AM Pacific Daylight Time 29, 2020 7:49:39 AM Pacific Daylight Time		
Thited. Friday, Way 2	5, 2020 7.45.55 AM Facine Dayight Time		
ame: 200528P2 1 Date: 2	8 May 2020 Time: 11:52:52 ID: \$720052802 1	1613 CS0 19L2302, Description: 1613 CS0 19L2302	
,2,3,4,7,8-HxCDD 00528R2_1		F3:Vo	tage SIR,EI
-00		1,2,3,6,7,8-HxCDD;34.97;5.11e3;72086	389.81 7.486e+00
%			
1	33.38		
0	33.28 33.30	33.99 34.10 34.37 34.68 35.56	mi
00528R2_1		F3:Vo	tage SIR,EI
00-]		1,2,3,6,7,8-HxCDD;34.97;4.16e3;61002	391.81 6.266e+00
1			
%-]		/ / 35.06 35.25 3.70e3	
	22.27		
	33.37	35.53	mi
0		24.00 24.00 24.00 24.00 25.00 25.00 25.00	
32.40 32.60 32.8	30 33.00 33.20 33.40 33.60 33.80	34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.40 35.60	35.80
32.40 32.60 32.8 3C-1,2,3,4,7,8-HxCDD	30 33.00 33.20 33.40 33.60 33.80		35.80
0	33.00 33.20 33.40 33.60 33.80	F3:Vol	35.80 age SIR,EI 401.85
32.40 32.60 32.8 3 C-1,2,3,4,7,8-HxCDD 30528R2_1	30 33.00 33.20 33.40 33.60 33.80	F3:Vol 13C-1,2,3,6,7,8-HxCDD;34.95;5.18e5;7356837 13C-1,2,3,4,7,8-HxCDD 34.85	35.80 age SIR,El 401.85
32:40 32:60 32:8 3C-1,2,3,4,7,8-HxCDD 20528R2_1	30 33.00 33.20 33.40 33.60 33.80	F3:Vol 13C-1,2,3,6,7,8-HxCDD;34.95;5.18e5;7356837 13C-1,2,3,4,7,8-HxCDD	35.80 age SIR,El 401.85
32:40 32:60 32:8 3C-1,2,3,4,7,8-HxCDD 00528R2_1	30 33.00 33.20 33.40 33.60 33.80	13C-1,2,3,6,7,8-HxCDD;34.95;5.18e5;7356837 13C-1,2,3,4,7,8-HxCDD 34.85 3.89e5	35.80 age SIR,El 401.85
32:40 32:60 32:8 3C-1,2,3,4,7,8-HxCDD 00528R2_1	30 33.00 33.20 33.40 33.60 33.80	13C-1,2,3,6,7,8-HxCDD;34.95;5.18e5;7356837 13C-1,2,3,4,7,8-HxCDD 34.85 3.89e5	35.80 tage SIR,E 401.85 7.458e+00
32:40 32:60 32:8 3C-1,2,3,4,7,8-HxCDD 20528R2_1 % 0	30 33.00 33.20 33.40 33.60 33.80	F3:Vol 13C-1,2,3,6,7,8-HxCDD;34.95;5.18e5;7356837 13C-1,2,3,4,7,8-HxCDD 34.85 3.89e5 6042157	35.80 age SIR,EI 401.85 7.458e+00
32:40 32:60 32:6 3C-1,2,3,4,7,8-HxCDD 20528R2_1		F3:Vol 13C-1,2,3,6,7,8-HxCDD;34.95;5.18e5;7356837 13C-1,2,3,4,7,8-HxCDD 34.85 3.89e5 6042157 13C-1,2,3,6,7,8-HxCDD;34.95;4.09e5;5887449 F3:Vol	35.80 tage SIR,EI 401.85 7.458e+00 7.458e+00
32:40 32:60 32:8 3C-1,2,3,4,7,8-HxCDD 20528R2_1 0 0 	30 33.00 33.20 33.40 33.60 33.80	F3:Vol 13C-1,2,3,6,7,8-HxCDD;34.95;5.18e5;7356837 13C-1,2,3,4,7,8-HxCDD 34.85 3.89e5 6042157 13C-1,2,3,6,7,8-HxCDD;34.95;4.09e5;5887449 13C-1,2,3,4,7,8-HxCDD 34.85 A	
32:40 32:60 32:8 3C-1,2,3,4,7,8-HxCDD 20528R2_1 0 0 		F3:Vol 13C-1,2,3,6,7,8-HxCDD;34.95;5.18e5;7356837 13C-1,2,3,4,7,8-HxCDD 34.85 3.89e5 6042157 13C-1,2,3,6,7,8-HxCDD;34.95;4.09e5;5887449 13C-1,2,3,4,7,8-HxCDD 34.85 3.07e5	35.80 age SIR,EI 401.85 7.458e+00 7.458e+00
32:40 32:60 32:6 3C-1,2,3,4,7,8-HxCDD 00528R2_1 0 0 0 0 0 0 0 0 0 0 0 0 0		F3:Vol 13C-1,2,3,6,7,8-HxCDD;34.95;5.18e5;7356837 13C-1,2,3,4,7,8-HxCDD 34.85 3.89e5 6042157 13C-1,2,3,6,7,8-HxCDD;34.95;4.09e5;5887449 13C-1,2,3,4,7,8-HxCDD 34.85 A	35.80 age SIR,EI 401.85 7.458e+00 ייייייין mi age SIR,EI 403.85





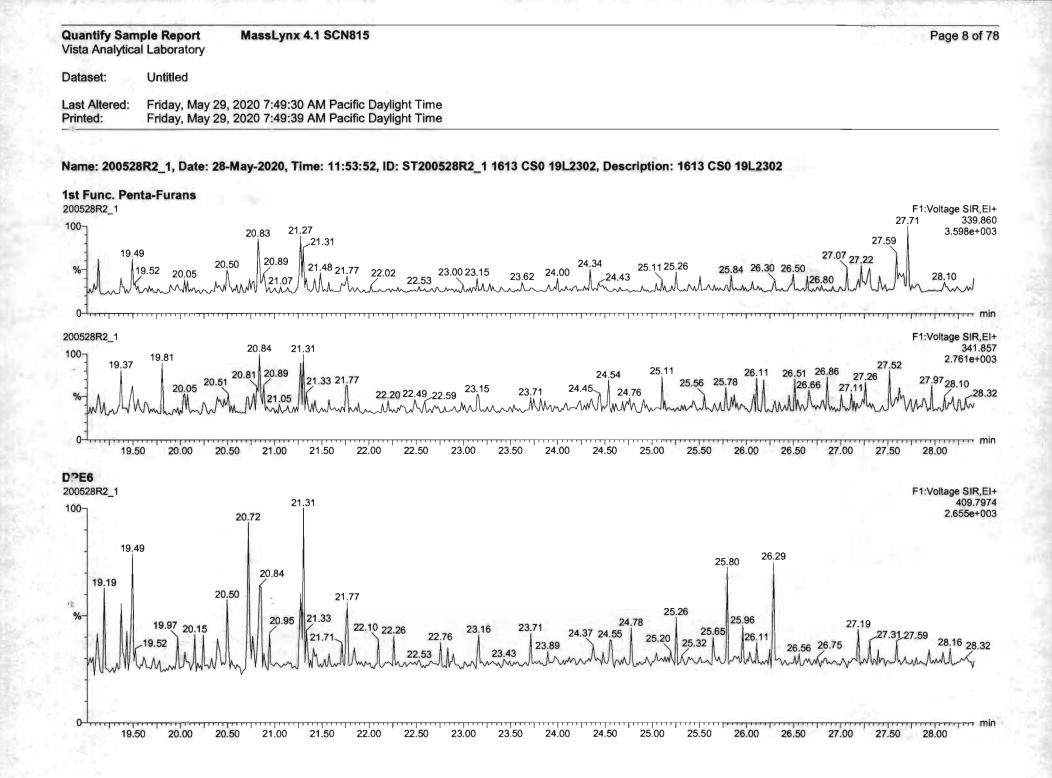


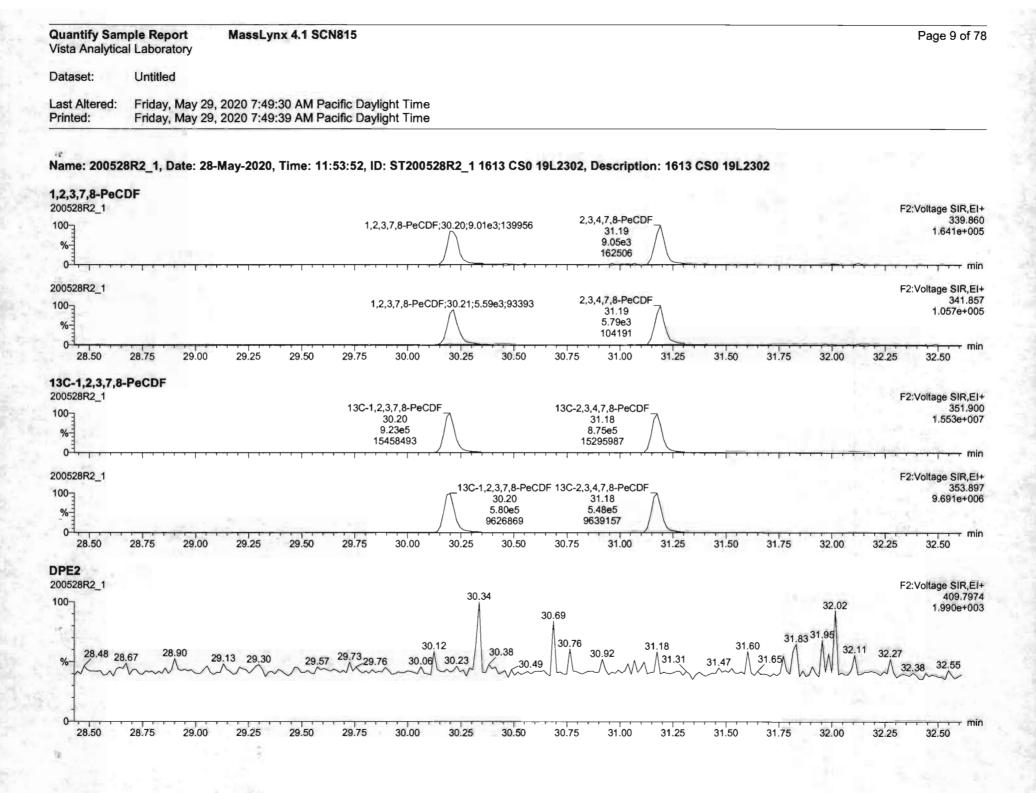


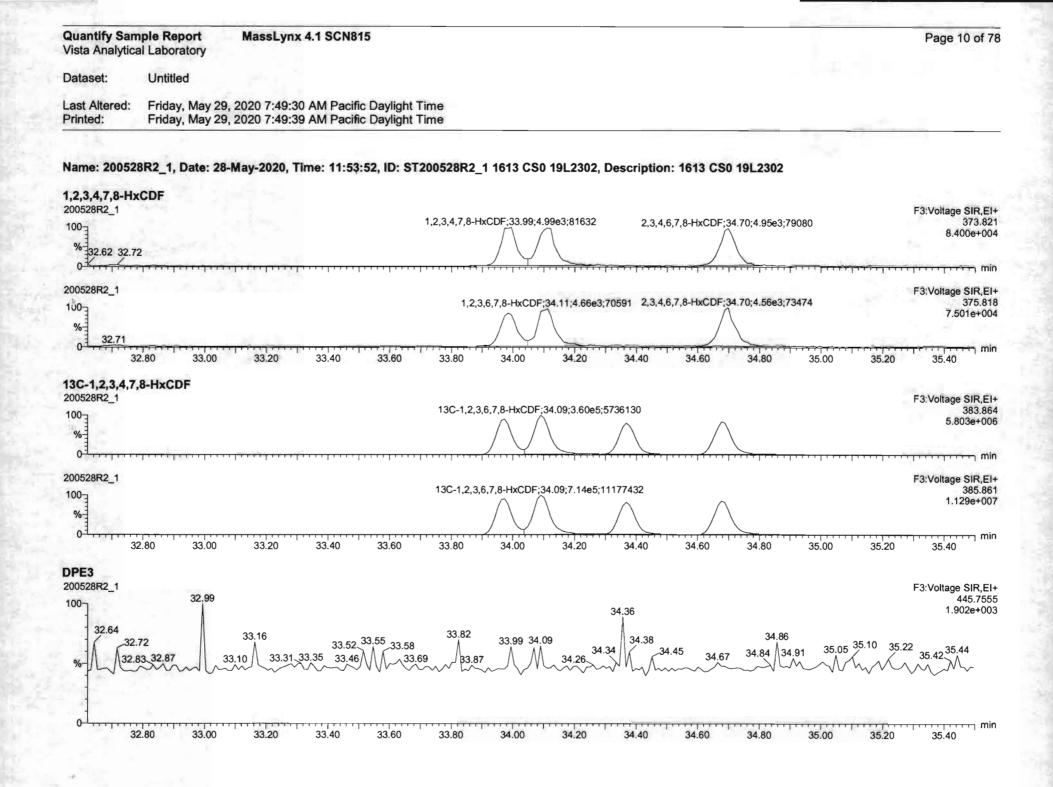
1.03e4 0.66 NO 8.03e3 1.27 NO 9.27e3 1.23 NO	0 6863 1 000 26 54 1 0 0 9081 1 000 31 50 1 0 1 0334 1 000 34 86 1 0	RRT Conc. %SRec. DL ENPC 1.000 0.213 35.2 0.0247 0.213 1.000 1.12 90.0 0.0292 1.13			
1.03e4 0.66 NO 8.03e3 1.27 NO 9.27e3 1.23 NO	0 9081 1.000 31.50 1.00 1.0334 1.000 34.86 1.00	1000 1.12 90.0 0.0292 1.13			
8.03e3 1.27 NO 9.27e3 1.23 NO	1.0334 1.000 34.86 1.04				
9.2783 1.23 NO	1.0334 1.000 34.86 1.04	the second			
	A GENE LA SAME AL ALLAS	1 000 1.12 89.4 0.0426 1.12		and the second sec	
14#3 1.20 MG		1 001 1 12 39 7 0.0405 1 12			
		1 000 1 10 88 1 0 0464 1 10		and the second of the second second second	1 474
		1000 109 872 00566 109		and the second	
	the second se				
				and the second of the second of the second of the second of the	and the second second
	second			service of the servic	- David
5.26e3 0.99 NO	1 0128 1 000 39.33 1 0	1.001 1.02 61.8 0.0523 1.02			
2/65 1 21 14	10101 1000 00 00 100				
		······	42.25		
					F5 vettage SIR
613 CS0 19L2302					450
		OCDD:41 78.6618 23.74556			7 6 ifte
		\land			
	-1	The second secon		مسيد فارتسبا ميسانينا والبنية ببالعديات والمانية والمتباق ويتعاول	
410 COS 10 0390					15 Voltage Still 469
13 630 1962302		13C-OCDD:41.75.554889.50.652	491		6 5636-
		Δ			
			wand with the second se	A state of the sta	
			weight of the state of the stat	A reduce of the description of the second	
1613 CSo 19L2302				a reduce of the description of t	F4 voltage Sil
113 CS0 19L2302		13C-OCDD 41 75 626402 94,7268	976	A reduce of second reduction to the second	F4 voltage Sil
613 CS0 19L2302		13C-OCDD 41 75 626402 94 7264	076		F4 voltage Sil
613 CSo 19L2302	arrea és cons	13C-OCDD 41 75 626402 94,7260	076	A sector of a factor of the fa	F4 voltage Sil
613 CS0 19L2302	arrean fan febr	13C-OCDD 41 75 626402 94 726	076		F4 wittage gif 47 7.308e
1613 CS0 19L2302 40,60 40.80	41'00 41.20	<u> </u>	076 200 42 20 42 40 42.60 42 50 43.60 43.20	43.40 42.60 43.80 44.00 44.20 44.40 44.50	F4 voltage SI 47
3 1 1 8 1 9 7 6 5 1 1 1 8 9	27e3 0.73 M0 46e4 161 M0 46e4 165 N0 92e3 1.25 N0 97e4 1.66 N0 91e3 1.25 N0 97e3 1.03 N0 26e3 0.96 N0 26e3 0.96 N0 00e6 0.64 N0 92e5 1.27 N0 113 CSD 19L2302	27e3 0.75 NO 0.7510 1.900 25.67 1 46e4 1.61 MO 0.825 1.900 30.26 1 1562 1.26 NO 0.825 1.900 30.26 1 1562 1.25 NO 0.8346 1.900 21.19 1 1562 1.25 NO 0.8845 1.900 23.96 1 1562 1.90 NO 0.8741 1.000 24.73 1 4562 1.19 NO 0.8741 1.000 24.73 1 2663 0.95 NO 0.8741 1.000 39.32 1 2764 0.87 NO 0.8741 1.000 39.32 1 2764 0.87 NO 0.8760 1.000 34.85 1 3865 1.27 NO 0.8650 1.000 34.85 1 3865 1.27 NO 1.0187 1.000 34.95 <td< td=""><td>$\frac{27e_3}{46e_4} = \frac{0.73}{16} + \frac{100}{100} + \frac{2567}{100} + \frac{1001}{100} + \frac{0.222}{100} + \frac{1001}{100} + \frac{0.222}{100} + \frac{1001}{100} + \frac{0.222}{100} + \frac{1001}{100} + \frac{0.222}{100} + \frac{0.222}{100} + \frac{1001}{100} + \frac{100}{100} + \frac{1000}{100} + \frac{100}{100} + \frac{100}$</td><td>27:43 NO 0.75 NO 0.75 1.00 222 91 0.012 0.22 46e4 1.61 NO 0.892 1.00 30.22 0.01 1.12 0.02 1.00 58e3 1.55 NO 0.894 1.00 1.12 0.02 0.036 1.12 58e3 1.55 NO 0.894 1.00 1.12 0.82 0.0364 1.12 58e3 1.15 NO 0.8971 1.00 1.12 89.2 0.0344 1.10 58e3 1.19 NO 0.8971 1.00 1.12 89.2 0.0344 1.10 51e3 1.09 NO 0.8971 1.00 1.12 89.2 0.0344 1.10 28e4 0.66 NO 0.8971 1.00 1.02 81.8 0.0624 1.00 28e4 0.66 1.00 1.62 1.00 1.02 81.8 0.0624 1.02 28e4 0.66 1.00 1.42 1.02 1.02 1.02 1.02 1.02 <td>2743 073 000 2743 000 2743 000 2743 000 2743 000 2743 000 2743 000 2723 000 02852 1000 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 1100 1100 1100</td></td></td<>	$ \frac{27e_3}{46e_4} = \frac{0.73}{16} + \frac{100}{100} + \frac{2567}{100} + \frac{1001}{100} + \frac{0.222}{100} + \frac{1001}{100} + \frac{0.222}{100} + \frac{1001}{100} + \frac{0.222}{100} + \frac{1001}{100} + \frac{0.222}{100} + \frac{0.222}{100} + \frac{1001}{100} + \frac{100}{100} + \frac{1000}{100} + \frac{100}{100} + \frac{100}$	27:43 NO 0.75 NO 0.75 1.00 222 91 0.012 0.22 46e4 1.61 NO 0.892 1.00 30.22 0.01 1.12 0.02 1.00 58e3 1.55 NO 0.894 1.00 1.12 0.02 0.036 1.12 58e3 1.55 NO 0.894 1.00 1.12 0.82 0.0364 1.12 58e3 1.15 NO 0.8971 1.00 1.12 89.2 0.0344 1.10 58e3 1.19 NO 0.8971 1.00 1.12 89.2 0.0344 1.10 51e3 1.09 NO 0.8971 1.00 1.12 89.2 0.0344 1.10 28e4 0.66 NO 0.8971 1.00 1.02 81.8 0.0624 1.00 28e4 0.66 1.00 1.62 1.00 1.02 81.8 0.0624 1.02 28e4 0.66 1.00 1.42 1.02 1.02 1.02 1.02 1.02 <td>2743 073 000 2743 000 2743 000 2743 000 2743 000 2743 000 2743 000 2723 000 02852 1000 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 1100 1100 1100</td>	2743 073 000 2743 000 2743 000 2743 000 2743 000 2743 000 2743 000 2723 000 02852 1000 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 110 0000 1100 1100 1100

	al Laboratory		x 4.1 SCN81	5											Page 7 of
ataset:	Untitled														
st Altered: inted:	Friday, May Friday, May	y 29, 2020 7:49:3 y 29, 2020 7:49:3	30 AM Pacific 39 AM Pacific	Daylight Tir Daylight Tir	me me										
00050			T	F0. 10. 0.70		4 4 6 4 6 6					000 401				
		: 28-May-2020, 1	Time: 11:53:	52, ID: ST20	00528R2_	1 1613 0	S0 19L2	302, De	scriptio	on: 1613	CS0 19L	2302			
3,7,8-TCDF 0528R2_1											_				F1:Voltage SIR,E
									2,	3,7,8-TCDF 25.68	7				303.90 1.943e+0
19.39 19.5	51	20.42 20.74 20.84	21.32 21.78 21	.93	22.95		23.83	24.45	24.96	1.38e3 18248	25.93	26.33 26.48	27.08		
0-1		tumberelene	dendanden			.1		1							
107									2,	3,7,8-TCDF 25.66	71 20.0	66			F1:Voltage SIR, 305.8 2.540e+0
19.04	20.3	36	21.29 21.41 21			23.64	~~~~			1.91e3 24212	1.91		3		
0 19.5	minim						23.83	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4.72	****	1. V.	min finn	TTTTTTTT		Initiation l
19.5	50 20.00	20.50 21.00	21.50 2	2.00 22.50	23.00	23.50	24.00	24.50	25.0	0 25.5	0 26.00	26.50	27.00	27.50	28.00
C-2,3,7,8-T	CDF														F1:Voltage SIR,E
0020102_1				13C-1,2	2,3,4-TCDF;2	24.22;7.236	5;8628790			8,7,8-TCDF 5.65	7				315.94 1.161e+0
%							7	/	8.	.47e5 517468	\wedge				1.101640
officer for				.,,.,.,.,.,,.,		, , , , , , , , , , , , , , , , , , , 		<u>h</u>	······	····	/				n
0528R2_1									100.00						F1:Voltage SIR,E
Eo				13C-1,2,3	3,4-TCDF;24	1.22;9.23e	5;10882652	\	2	8,7,8-TCDF	7				317.9 1.495e+0
%							/			11e6 379003	/				
0-1	50 20.00	20.50 21.00	21.50 2	2.00 22.50	23.00	23.50		24.50	25.0	0 25.5	0 26.00	26.50	27.00	27.50	28.00
PE1															
0528R2_1															F1:Voltage SIR,
0															375.83 3.206e+0
-		20.84 21.2	21.31	22.08											
19.4	19	20.72 21.2				23.39	24.	21	25.0	0 25	.60				28.07 28.28
1	0.04 00.05	20.50	21.33 21.77		23.10	D	23.83		24.78	5.14 25.32	26.02	26.27 26.6	o 26.92	27 26	28.07 28.28
%- 100 ct	19.64 20.05	A IT PLATER A	118 411	22.28	23.03	23.74	al. M	Mar	- And	Mrs. Image	Land	20.0	~	<u> </u>	27.94
%- 100 ct	Mr.h.	White When	1 MMMMM	milman	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		10.000	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		\cdots	/~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
6- 10001	19.64 20.05 Michaellen	White William	J VUNWE	milman	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	10 WY 0-00				///////////////////////////////////////	~// www./ i/

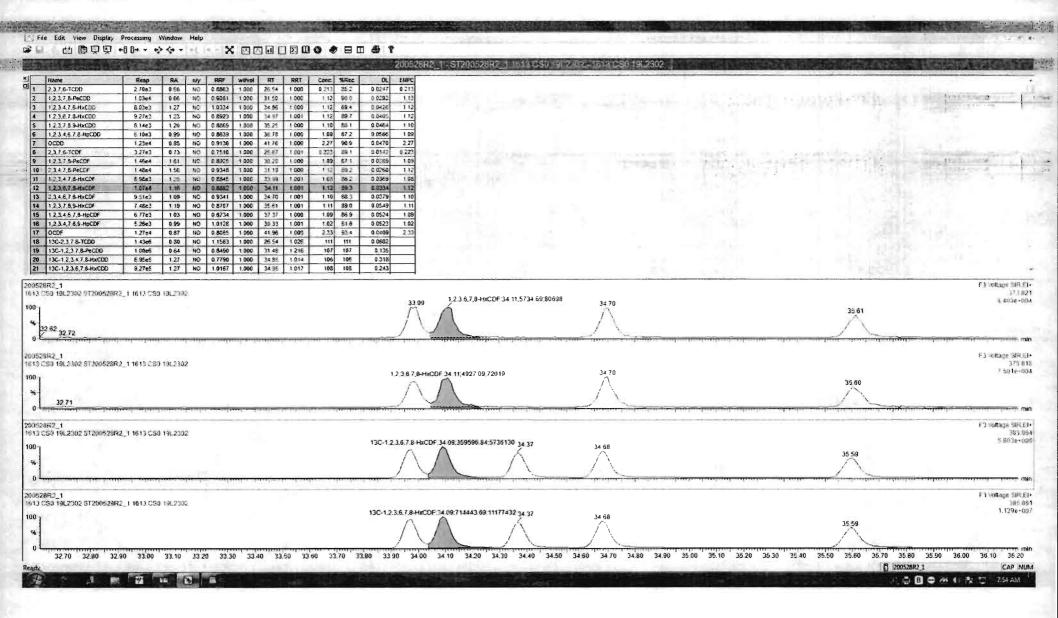
Name 2 3 7 6-TCDD 1 2 3 7 8-PeCDD 1 2 3 4 7 8-PeCDD	2 70e3 0 68 NC 0 8863 1 1 03e4 0 66 NC 0 5081 1 8 03e2 1 27 NO 1 0334 1	V/Vol RT RRT Conc. %Rec. 000 26:54 1:000 0:212 25:2 000 21:50 1:000 1:12 90:0 000 24:96 1:000 1:12 89:4	DL EMPC 0.0247 0.212 0.0202 1.12 0.04420 1.12	6.1	The studies	Contraction and the	North (
1 2 3 6 7 3-HXCDD 1 2 3 7 3 9-HXCDD 1 2 3 4 6 7 8 HpCDD 0CDD 2 3 7 6-TCDF	8 14e3 1 20 NO 0.8865 1 6 10e3 0.99 NO 0.8633 1 1 23e4 0.85 NO 0.9136 1	1000 34.97 1.001 1.12 89.7 1000 35.25 1.000 1.10 86.1 1000 35.78 1.000 1.09 67.2 1000 41.76 1.000 2.27 90.9 1000 160 2.67 6.001 2.27 90.9	0 0405 1 12 0 0464 1 10 0 0566 1 99 0 0470 2 27 5 0142 0 223				
2 3 7 3-PeCDF 14 7 8-PeCDF 2 3 4 7 8-HxCDF 2 3 6 7 8-HxCDF 3 4 6 7 8-HxCDF	1.46c4 1.61 ND 0.8925 1 1.48c4 1.56 ND 0.9348 1 8.96c3 1.25 NO 0.8845 1 1.07c4 1.16 NO 0.8852 1	1000 30/20 1/000 1/09 67.1 1000 21.19 1/000 1.12 89.2 1000 23.99 1/001 1.02 86.2 1000 24.11 1/001 1.12 89.2 1000 24.11 1/001 1.12 89.3 1000 54.71 1/001 1.12 89.3	0 0269 4 09 4 0260 9 12 6 0369 1 08 5 0334 1 12 0 0279 1 10		Town of the second		(FEBG
2,3,7,8,9-HxCDF 2,3,4,6,7,8,9-HxCDF 2,3,4,7,8,5-HpCDF 2,3,4,7,8,5-HpCDF 0CDF 13C-2,3,7,8-TCD0	7 46c3 1 19 NO D B707 1 6 77c3 1 03 NO 0 8734 1 5 26c3 0 99 NO 1.0128 1 1 27c4 0 87 NO 0.8055 1	0000 25.61 1.001 1.11 39.0 1.000 37.37 1.000 1.09 88.9 1.000 39.33 1.001 1.02 61.6 1.000 41.96 1.000 2.23 92.4 1.000 41.96 1.000 2.23 92.4 1.000 26.54 1.026 1.11 111	0 0549 1 11 0 0524 1 09 0 0523 1 02 0 0409 2 33 0 0682				
13C-1.2.3.7.8-PeCDO 13C-1.2.3.4.7.8-HxCDD 13C-1.2.3.6,7.8-HxCDD	6.95e5 1.27 NO 0.7750 1	1 000 31 48 1 216 107 107 1 000 34 85 1 014 106 136 1 000 34 95 1 017 163 108	0 135 0 318 0 243			1	F (Venage SIR
2 1							
		24.45	24.96	2.37.6-100F 25.57.1383 09 16248	26,33 26,48	27.98	923 9 1 643 83
23.39 2 2.1	23 45 23 83	24.45		\wedge	and a subsection of the sector	27.98	2034 15439 F 1 Vellage Sar 305
23 39 21 23 39 2 22 1 2 1 0 10L2302 ST200628R2	23 45 23 43 2 1 1613 CS0 10(2302 23 64 23 83			25.03 2.3.7.9-TCDF 25 66.1883.51.04213	1967 6124213	and and a star star star and a star star star star star star star st	383 9 1 647 9
12_1 1 191_2302 5120052862 23 39_2 12_1 0 191_2302 5120052862 12_1 0 191_2302 5120052862	23 45 23 43 2 1 1613 CS0 10(2302 23 64 23 83	near coice air an an an		25.93 2.3.7 B-TCDF 25 65.1883.51.24213 2.3.7,B-TCDF 25 65	1967 6124213	and and a star star star and a star star star star star star star st	odds Fod ter Fit toollage blis 305 2 Seider Fit voltage blit 5 I voltage blit



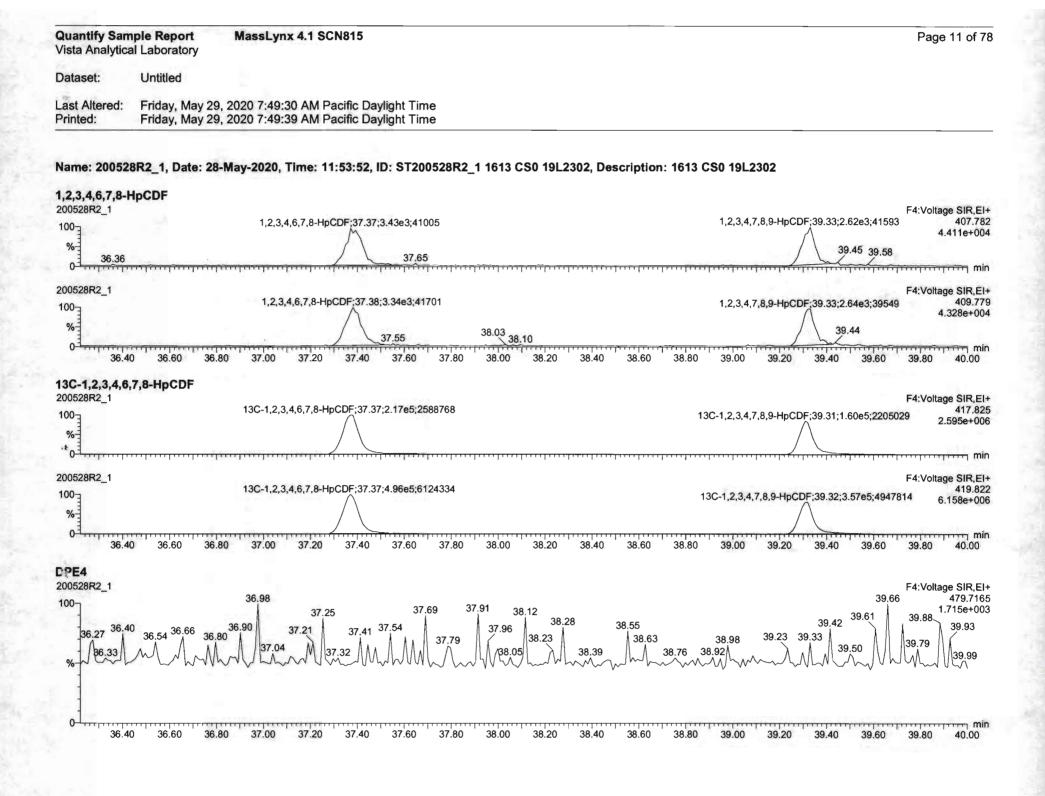


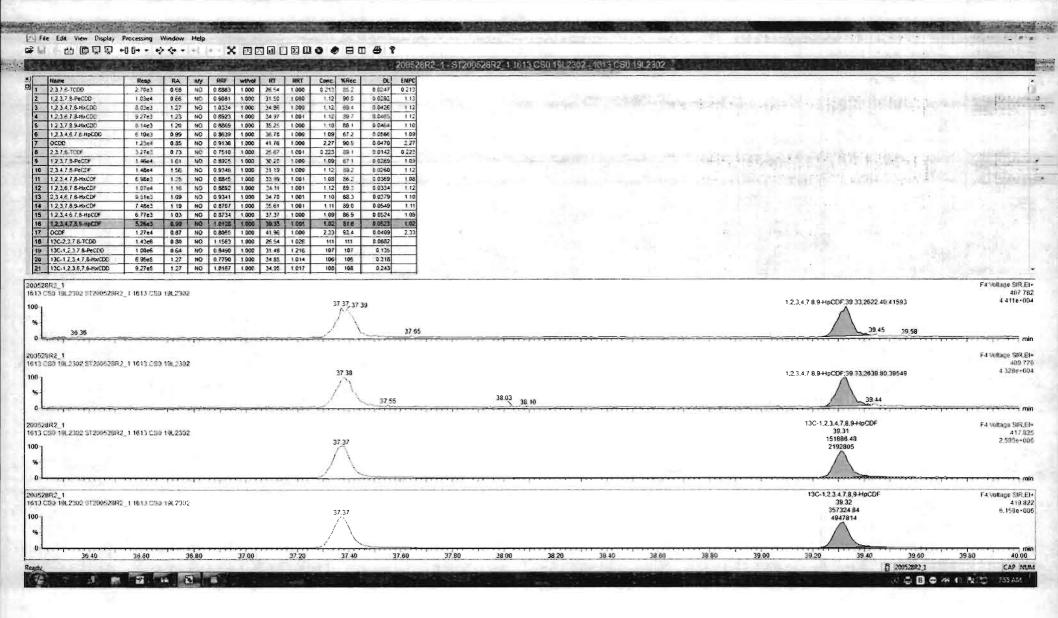


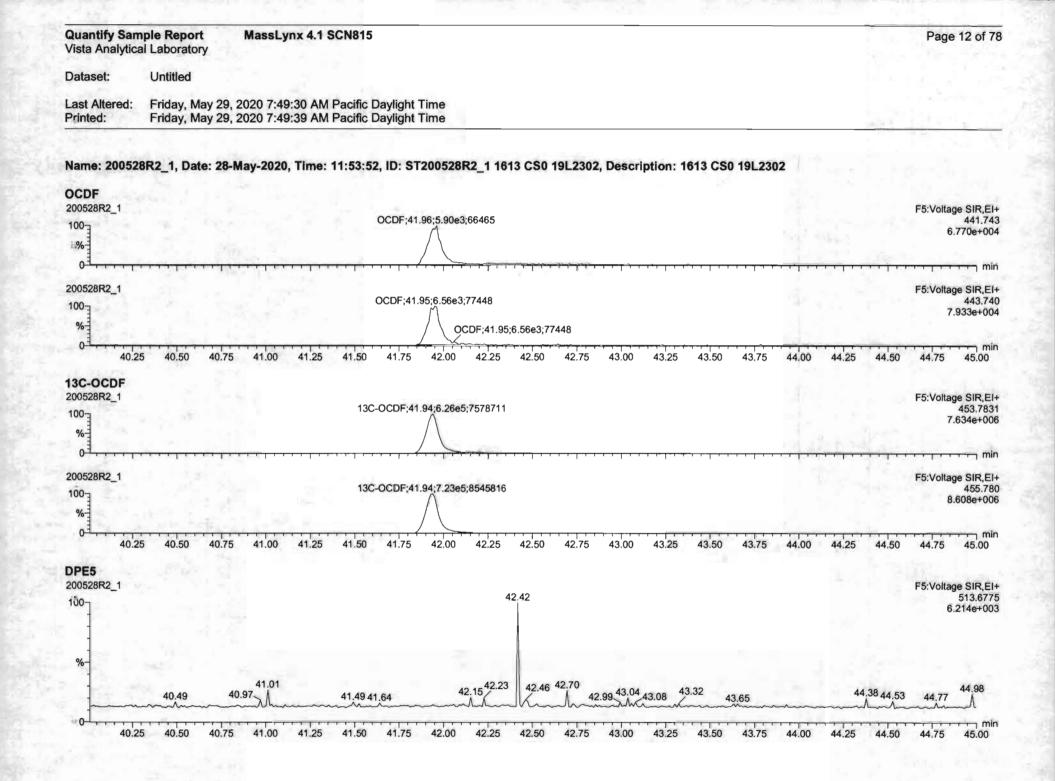
Work Order 2001155



Hame	Reap RA My RRF wilvol RT RRT Conc.	and photo and a state of the second state of the second state	528R2_1 1613 CS0 15	IL 2302 - 1613 CS0 19L2302		
237.5-TCDD 1,237.5-PeCDD 1,2347.5-PeCDD 12347.5-HxCDD 1237.8-5-HxCDD 1,234.5.7.8-HxCDD 1,234.5.7.8-HxCDD	2 76e3 0 68 NO 0 6865 1 000 28 54 1 000 9 213 1 03e4 0 66 NO 0 6861 1 000 31 56 1 000 1 12 0 30e4 0 66 NO 0 6961 1 000 31 56 1 000 1 12 0 30e4 1 27 NO 1 0324 1 000 24 54 1 000 1 12 9 27e3 1 33 NO 0 8625 1 000 24 57 1 001 1 12 8 14e3 1 20 NO 0 8825 1 000 35 24 1 001 1 12 6 10e3 0 95 NO 0 8825 1 000 36 24 1 001 1 10	35.7 9.02.47 9.213 90.0 9.02.92 1.13 69.4 9.04.26 1.12 59.7 9.04.05 1.12 59.7 0.04.05 1.12 69.7 0.04.05 1.12 67.2 0.0566 1.09	nerta da goto - ne T			((), (), (), (), (), (), (), (), (), (),
OCDD 2.3.7.6.7CDF 1.2.3.7.6.PeCDF 2.3.4.7.8.PeCDF 1.2.2.4.7.8.PeCDF 1.2.3.6.7.8.HxCDF 1.2.3.6.7.8.HxCDF 2.3.4.6.7.8.HxCDF	3.27e3 0.73 NO 0.7510 1.000 25.67 1.001 9.222 1.46e4 1.61 NO 0.8925 1.000 30.26 1.000 1.09 1.46e4 1.50 NO 0.8925 1.000 30.26 1.000 1.09 1.46e4 1.50 NO 0.8926 1.000 31.19 1.000 1.12 5.56e3 1.25 NO 0.6845 1.000 33.99 1.001 1.63 1.07e4 1.16 NO 0.8852 1.000 24.11 1.001 1.12	67 1 0 0265 1 09 89 2 0 0260 1 12				
1,2,3,7,8,3-MorDF 1,2,3,4,5,8-MorDF 1,2,3,4,7,8,5-MprDF 10C-97 13C-2,3,7,8-TCDD 13C-1,2,3,7,8-MorDD 13C-1,2,3,7,8-MorDD 13C-1,2,3,4,7,8-MorDD 13C-1,2,3,6,7,8-MorDD	7.46e3 1.19 NO 0.8207 1.000 35.69 1.001 4.11 6.77e3 1.03 NO 0.8734 1.000 37.37 1.000 1.09 5.26e3 0.99 NO 1.012E 1.000 30.33 1.001 1.02	BB0 0.0548 f.11 86.9 0.0524 1.05 81.8 0.0523 1.02 93.4 0.0409 2.33 111 0.0862 107 0.135 106 0.318				
2882 1 C90 19L2302 5T20052863		33.99 34 11 		34 70	1 2 3.7.8.9+txCDF 35 61 4071 63 59565	F 31/ohape 58 373 3 409e
2882 1	1 1613 050 19L2302			34.70 \land	1,2,3,7,8,9-HhCDF 35,60 3411.49 47557	F3 Voltage 58 37 7 501e
230 19L2302 ST200528R. 32.71		3398			\wedge	General Anna and an
CS0 19L2302 ST200528R.	_1 1613 C50 19L2302	33.98	34.37	34 68	13C-123.7.8.9-HxCDF 95.59 250951.14 3587/96	Spinnen and Spinnen State F3 voltage St 35 5 803e





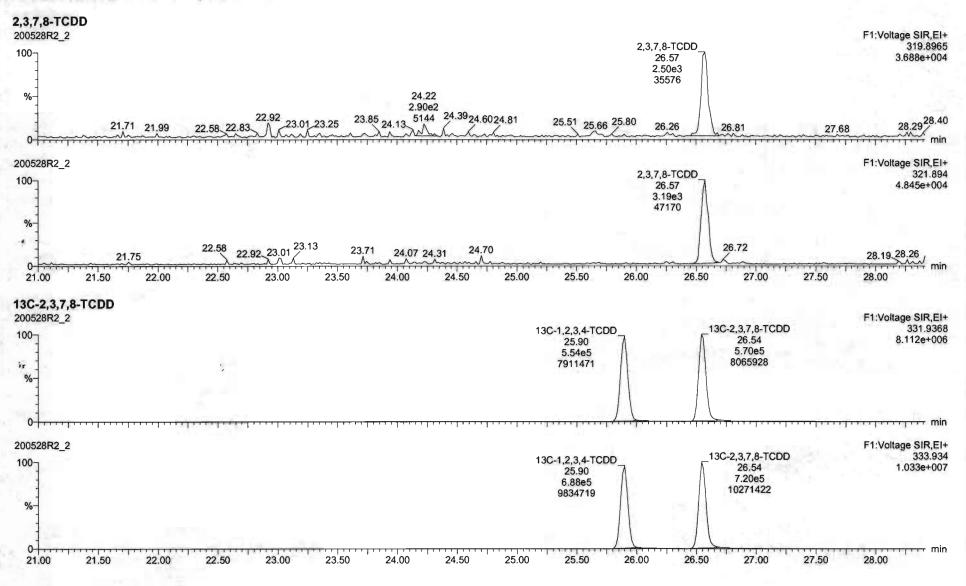


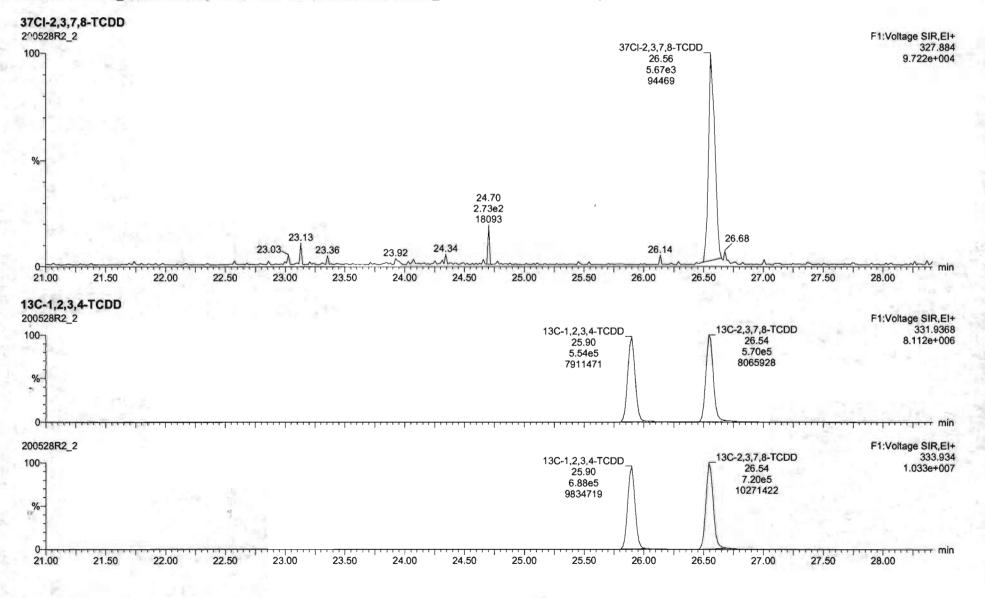
File Edit View Ducita Processing ☞ 니 한 ◎ 및 및 +0 0+ - +2	Mindow Help ・		
· 这些学生的 新闻 新闻 新闻 新闻 · · · · · · · · · · · · · ·	AND THE REAL PROPERTY AND A DESCRIPTION OF br>A DESCRIPTION OF A DESCRIPTIONO	20052882 4 3120652882 1 1619 CS0 19L2302 -:	1613 0.50 1912302
Name Besp 1 2.3.7.6-TCDD 2.716-3 2 12.3.7.6-TCDD 1.03e4 3 1.2.3.7.6-TCDD 1.03e4 3 1.2.3.7.6-TCDD 1.03e4 3 1.2.3.7.8-TextCD 8.03e3 4 1.2.3.6.7.8-textCD 8.14e1 5 1.2.3.7.8-TextCD 8.14e1 6 1.2.3.7.8-TextCD 8.14e1 7 0CCD 1.23e4 8 2.3.7.8-TCDN 3.27e3 9 1.02.3.7.8-TeCDF 1.46e4 10 2.3.4.7.8-TextCDF 5.91e3 14 1.2.3.4.7.8-textCDF 5.91e3 14 1.2.3.4.7.8-textCDF 5.91e3 15 1.2.3.4.5.7.8-textCDF 5.91e3 16 1.2.3.4.7.8-textCDF 5.77e3 16 1.2.3.4.7.8-textCDF 5.77e3 16 1.2.3.4.7.8-textCDF 5.26e3 17 0CCF 1.02e4 18 1.02.3.7.8-TCDD 1.03e6 19 102-1.2.3.7.8-TCDD	RA aby R8F wthol RT R8T Conc %Rec. 0.55 HO 0.6881 1000 25.54 1000 0.313 28.7 0.66 NC 0.9981 1000 31.50 1000 112 90.0 1.27 NO 1.0224 1000 34.52 1000 112 89.4 1.23 NO 0.8521 1000 34.52 1001 112 89.4 1.23 NO 0.8529 1000 35.25 1000 1116 80.1 0.99 NO 0.8239 1000 35.25 1000 102 29.7 0.55 NO 0.9136 1000 25.67 1001 0.227 90.6 0.55 NO 0.9348 1000 21.19 1000 128.9 100 128.9 100.1 112 89.2 1.56 NO 0.9348 1000 31.59 1001 108.862 102.2 <	DL EMPC 0.0247 0.12 0.022 1.13 0.405 1.12 0.405 1.12 0.405 1.12 0.405 1.9 0.405 1.9 0.405 1.9 0.405 1.9 0.405 1.9 0.405 1.9 0.405 1.9 0.405 1.9 0.405 1.9 0.405 1.12 0.405 1.12 0.405 1.12 0.405 1.12 0.405 1.12 0.405 1.12 0.405 1.12 0.405 1.12 0.524 1.8 0.523 1.92 0.4052 1.92 0.415 0.218	
20 13C-1.2.3 4 7.8-to:COD 6 95e5 21 13C-1.2.3.6 7.6-HxCDD 9 27e5	1.27 NO 0.7790 1.000 34.85 1.014 106 105 1.27 NO 1.0157 1.000 34.95 1.017 108 108	0 218	
200528R2_1 1613 C50 19L2302 51200529R2_1 1613 C50 100 56 0 200529R2_1 1613 C50 19L2302 51200528R2_1 1613 C50 100 56 100 56 100 100 100 100 100 100 100 10	****	OCDF.41 96:5899 56:66485 OCDF.41 96:5890 34.77824 CCDF.41 95:5800 34.77824	fe udiage ean provide und de 14a 6.770e-und fe udiage Sin provide fe udiage Sin provide fel
200528R2_1 1613 CS0 19L2302 ST200529R2_1 1613 CS0 100 %	191,2302	13C-OCDF 41 94 625117 44.7578711	45.16506 sart 14 45.7621 7834er006
0	1912302	13C-000F;41.94;723054 25;8545816	FSI indiage sine city So 200 is Seni? 1006
40 20 40 40 40	50 40,80 41.00 41.20 41.40 41.60	41 80 42 00 42 20 42 40 42 60 42 8	80 43.60 43.20 43.40 43.69 43.80 44.00 44.20 44.40 44.50 44.80 45.90
Ready 40.1	a <u>1997</u> 1099 1099 1099 1090 1090		E 20052882 1 CAP NUM
THE STATE MENT	H 8 1		ул 🖨 📴 🗢 🛹 👀 👷 — 205 АМ —

Quantify Sam	nple Report MassLynx 4.1 SCN815 al Laboratory	Page 13 of 7
ataset:	Untitled	
ast Altered: rinted:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
ame: 20052	28R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302	
	9.43;1.36e5;674384 20.57 20.90;2.19e4;197676 21.99 22.55 22.71 23.18 23.34 ^{23.48} 24.04 ^{24.42} 24.60 ^{24.76} 25.48 25.85 25.96 ^{26.38} 26.63 26.75	F1:Voltage SIR,E 27,41 28.16 316.98
%	20.57 20.50, 20.57 20.50, 20.57 20.50, 20.57 22.55 22.71 23.16 23.3423.48 24.04 24.04 24.04 24.06 24.76 25.85 25.96 20.36 26.63 26.75	
0 ¹	50 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.0	0 27.50 28.00
FK2 00528R2_1 00 28.46	28.99;1.44e5;590930 29.65;4.19e3;126295 30.02 30.12 30.64;8.03e3;143988 30.79 30.93 31.16 31.30 31.53;3.42e4;235765 31.82 32	F2:Voltage SIR,E 2.20;1.14e4;181758 366.97 T.688e+00
28.50	28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 32.0	00 32.25 32.50
F K3 00528R2_1 00 ₃	33.12;1.93e6;3477579 33.12;1.93e6;3477579 33.82 33.97 34.23 34.37 34.52 35.32	F3:Voltage SIR,E 380.97/ 35.59 9.755e+0
%		
0-1	.80 33.00 33.20 33.40 33.60 33.80 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.40	35.60 35.80 36.00
FK4 00528R2_1 0036.22 %	36.42;1.13e6;3811751 37.22 37.48 37.88 38.13 38.29 38.62;9.37e4;774995 39.13 39.42	F4:Voltage SIR,E 39.62 39.86 7.524e+0
%- 0	40 36.60 36.80 37.00 37.20 37.40 37.60 37.80 38.00 38.20 38.40 38.60 38.80 39.00 39.20 39.40	39.60 39.80 40.00
FK5 00528R2_1	3 45e5:1450338 40.92 44.02 41.19 44.02 42.25·2 15e4·292367 43.05 43.23 43.53 42.72 44.02 44.42	F5:Voltage SIR,E 454.97
00 40.38;3	3.45e5;1450338 40 83 41 00 41.19 41 64 41 80 42.25;2.15e4;292367 43.05 43.25 43.53 43.72 44.02 44.42	7 2102-105000 44 070 744 .0
%-40.11	3.45e5;1450338 40.83 41.00 41.19 41.64 41.80 42.25;2.15e4;292367 43.05 43.53 43.72 44.02 44.42	2;7.31e3;195088 44.873,714e+0

le Report MassLynx 4.1 SCN815 Laboratory	Page 14 of 78
Untitled	
Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
F	Jntitled Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time

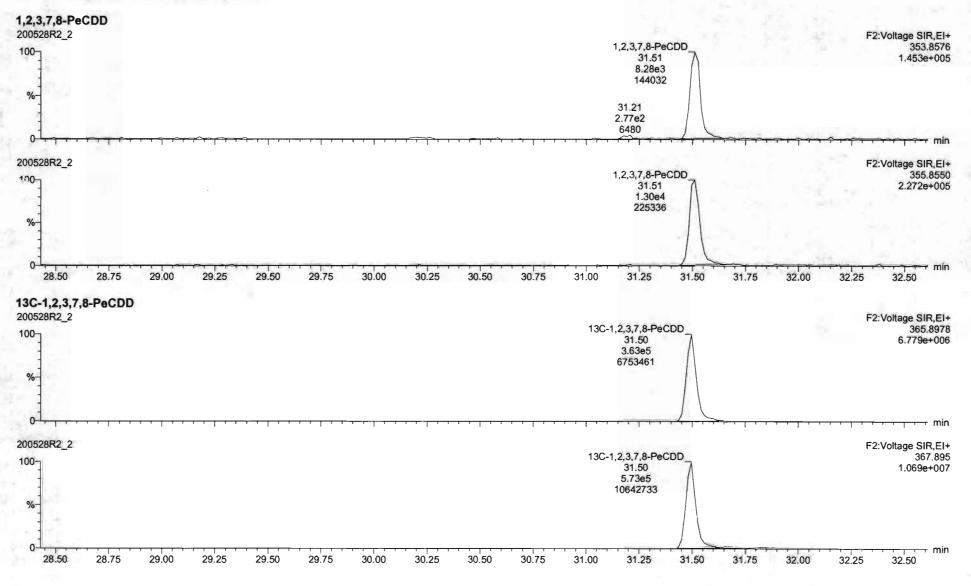
Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303





Quantify San Vista Analytica		Page 16 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



Juantify Sam		MassLyn	x 4.1 SCN8	315									I	Page 17 of 7
Dataset:	Untitled													
ast Altered: Printed:	Friday, May 29 Friday, May 29	9, 2020 7:49: 9, 2020 7:49:	30 AM Paci 39 AM Paci	fic Daylight T fic Daylight T	ïme ïme									
ame: 20052	8R2_2, Date: 28	3-May-2020,	Time: 12:4	1:31, ID: ST2	200528R2_2	2 1613 CS	1 19L2303	, Descrip	otion: 1613	CS1 19L	2303			
2,3,4,7,8-Hx	CDD													
00528R2_2 %									1,2,3,6	5,7,8-HxCDE	D;34.99;1.0	06e4;163968	F3: 3,7,8,9-HxCDI 35.27 8.86e3 136094	Voltage SIR,E 389.81 1.665e+00
0+		╒┽╷╷╷╷╷╷┊╒┍ ┍╷╷╎	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	للبديرا يستلبن	᠃᠇᠇ᠻ ᠇ ᠃᠇᠇᠇	, , , , , , , , , , , , , , , , , , , 		ᡴᠻᡗᡎᠬᡢ	بىڭ يىدىلىن ي ىل	minni		****		יייייז mi - פוס
00528R2_2 00 ₇									1,2,3,6,	,7,8-HxCDD);34.97;8.4	3e3;146384	F3:	Voltage SIR,E 391.81 1.493e+00
%					33,71		34.26			\bigwedge	\bigwedge	1,2,3	,7,8,9-HxCDD 35.26 7.34e3 114395	
32.40	32.60 32.80	0 33.00	33.20	33.40 33.6	60 33.80	34.00	34.20	34.40	34.60	34.80	35.00	35.20 3	5.40 35.0	m ו היריין דייין m 60 35.80
3C-1,2,3,4,7, 00528R2_2	,8-HxCDD												F3:	Voltage SIR,E
50 %								13C	13C-1,2,3,6 -1,2,3,4,7,8-Hx 34.87 3.63e5 6246447		D;34.96;4.	82e5;7460705		401.8 7.541e+00
0-+ 00528R2_2						.1	1						F3:	Voltage SIR,E
									13C-1.2.3.6	6,7,8-HxCDI	D:34.96:3	8005.5864503		403.85

34.20

34.40

34.60

34.80

32.60

32.80

33.00

33.20

33.40

33.60

33.80

34.00

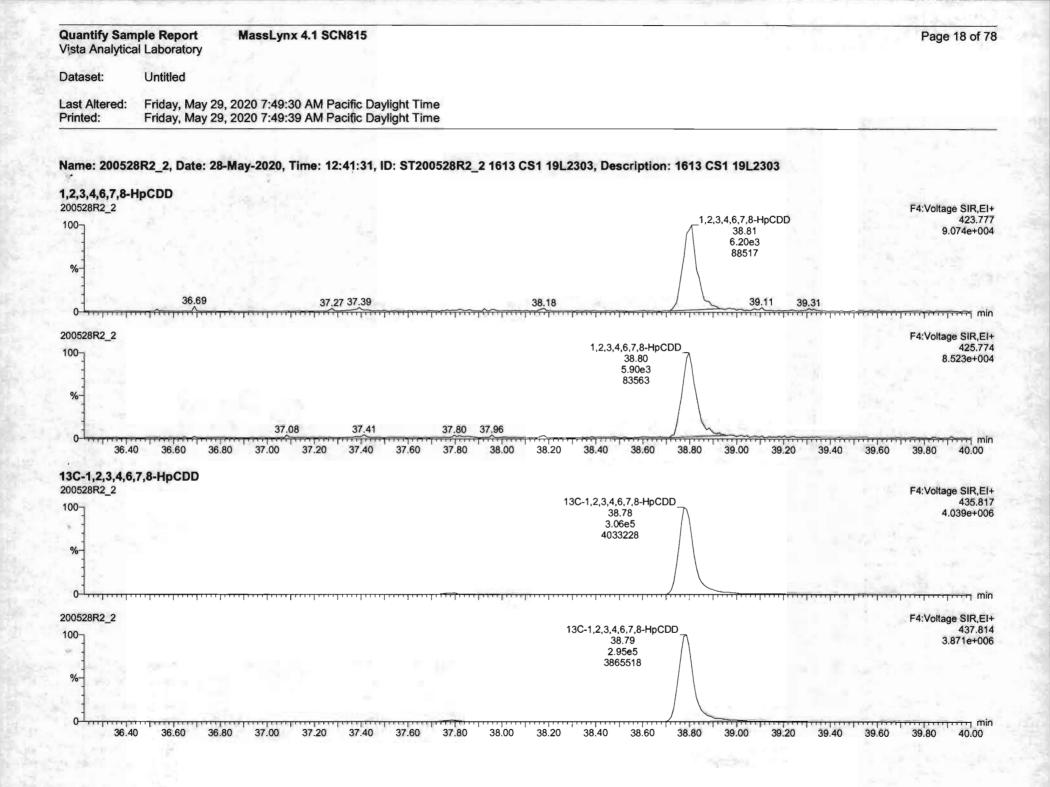
35.60

35.40

35.20

35.00

min 35.80



Quantify Sam /ista Analytica		315	Page 19 of 7
Dataset:	Untitled		
ast Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pac Friday, May 29, 2020 7:49:39 AM Pac	fic Daylight Time fic Daylight Time	
	21 II		
Name: 20052	8R2_2, Date: 28-May-2020, Time: 12:4	1:31, ID: ST200528R2_2 1613 CS1 19L2303, Desc	ription: 1613 CS1 19L2303
200528R2_2			F5:Voltage SIR,EI
100		OCDD 41.77 1.08e4	457.73 1.404e+00
%		138604	
	40,84		43.43
200528R2_2			mi F5:Voltage SIR,EI
100		OCDD 41.77 1.31e4	459.73 1.739e+00
%-		171899	
			43,43
0- 40.20	0 40.40 40.60 40.80 41.00 41	20 41.40 41.60 41.80 42.00 42.20 42.40	42.60 42.80 43.00 43.20 43.40 43.60 43.80 44.00
13C-OCDD 200528R2_2			F5:Voltage SIR,E
100]		13C-OCDD 41.76	469.77 6.124e+00
-		5.18e5 6112586	0.1210-00

0min רי 200528R2_2 F5:Voltage SIR,EI+ 471.775 6.819e+006 13C-OCDD_ 41.76 5.77e5 6810617 100 3/0 ------ min 44.00 1111111 ******* 41.80 41.60 42.00 42.40 42.80 43.00 43.20

42.20

42.60

43.80

43.60

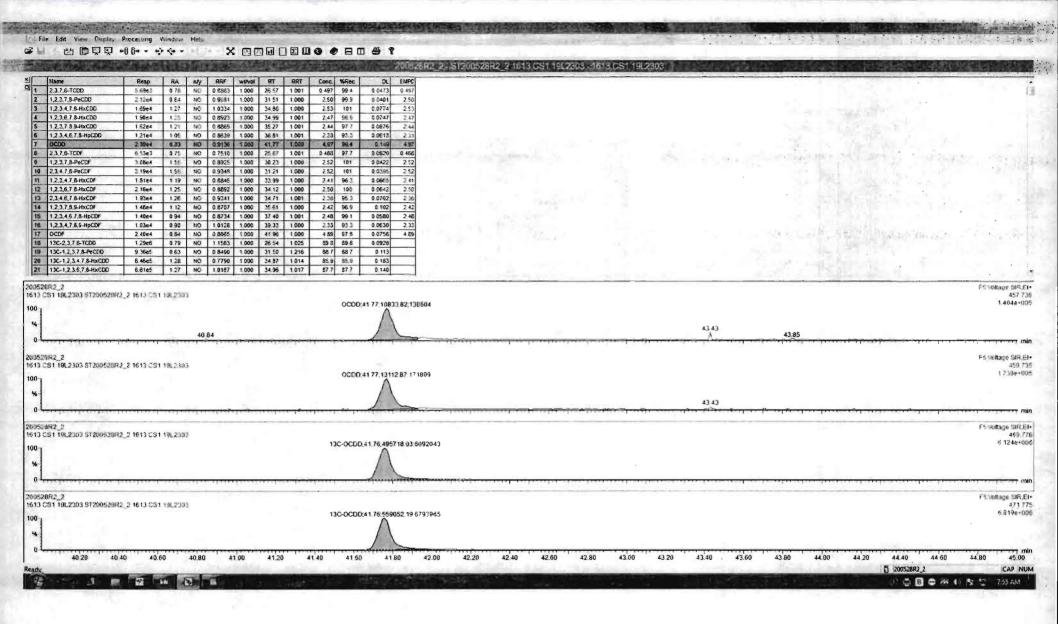
43.40

40.40

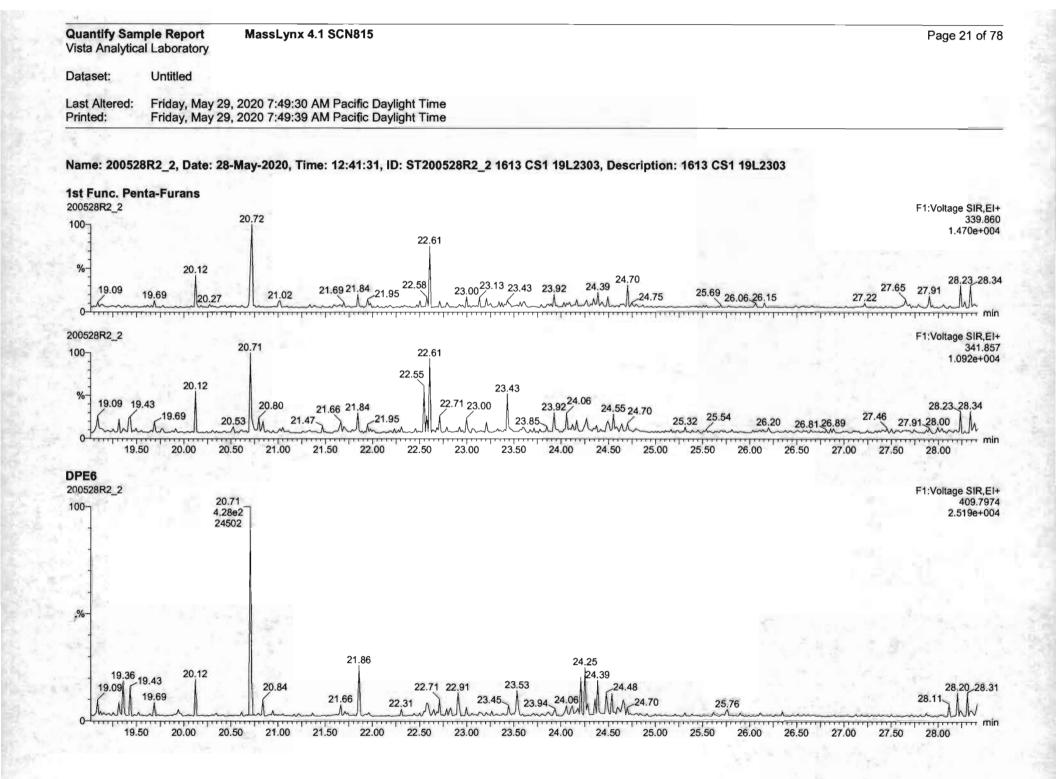
40.60

40.80

41.00 41.20



ista Analytica	I Laboratory													
ataset:	Untitled													
ast Altered: rinted:	Friday, May 2 Friday, May 2													
			1.00											
ame: 200528	BR2_2, Date: 2	8-May-202	0, Time: 12:	41:31, ID: S	T200528R	2_2 1613 C	61 19L230	3, Descrip	otion: 1613 C	S1 19L23	03			
3,7,8-TCDF 00528R2_2														F1:Voltage SIR,E
0020N2_2		Total	Tetra-Furans		etra-Furans				2,3,7,8-TCDF_ 25.68	N N				303.90 4.128e+0
% 19.37 19.45	19.96 20.14		20.72 6.92e2		2.99e2 14512	23.4623.73	23.94 2	4.3924.66	2.80e3 40141	07.00				
0-119.37 19.45	minninhim	- + + + + + + + + + + + + + + + + + + +	37223	<u>ى بىيا بىيى بىيا</u>	22.94	mandand	23.94 2	A. 1924.00	1000 1000 1000	\25.90 	11111111111	$\frac{1}{1}$	766667	28.22_28.32
00528R2_2	То	tal Tetra-Fura 20.72	ins						2,3,7,8-TCDF_					F1:Voltage SIR,E 305.8
00		4.95e2 24591	Тс	otal Tetra-Furan	is;22.58;4.55	92;30244			25.68 3.73e3					5.412e+0
3 13.22 /	.45 19.91 20.3	1	0.86	21,96	22.94	23.62	3.83 24.21	24.66	52790	25.85			27.50	28.32
0 hannan 19.5	0 20.00 2	20.50 21.0	00 21.50	22.00 22	2.50 23.0	0 23.50	24.00		25.00 25.50	26.00	26.50	27.00	27.50	28.00
C-2,3,7,8-TO	CDF													
0528R2_2				13C	-1,2,3,4-TCD	F;24.22;8.00e5	;9677724	130	-2,3,7,8-TCDF_					F1:Voltage SIR, 315.94
E							λ		25.66 7.77e5					1.069e+0
%							Λ		10602018				_	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
0528R2_2	artitul (11)			1	1,,,,1,,,1,,,1,				.1	,1,1,1,1,1,1,1,1	linitiii	1	hindra	F1:Voltage SIR,E
00520R2_2				13C-1	1,2,3,4-TCDF	;24.22;1.03e6;	12290426	13C	-2,3,7,8-TCDF					317.9
%-							Λ		25.66 1.00e6					1.395e+0
olum									13851370	1			111111111	n u
	0 20.00 2	20.50 21.0	00 21.50	22.00 22	2.50 23.0	0 23.50	24.00	24.50 2	25.00 25.50	26.00	26.50	27.00	27.50	28.00
19.5														F1:Voltage SIR,E
19.50 PE1														375.83 2.898e+0
19.50 PE1 0528R2_2		0.71												2.0900+0
19.50 PE1 0528R2_2	5.	0.71 13e2 8142												
19.50 PE1 0528R2_2	5.	13e2												
19.5	5.	13e2												
19.5 PE1 0528R2_2 0 - - - - - - - - - - - - -	5. 28	13e2			1762274									
19.5	5.	13e2	⁸⁴ 21.29 21.60	5 ^{21.86}	22.5822.71	23,21 23,55	24.2 23.92	5 24.48	70		26.45			28.11 28.20 28.



Quantify Sam Vista Analytica		Page 22 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
lame: 20052	R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303	
1,2,3,7,8-PeC 200528R2_2 100	DF 1,2,3,7,8-PeCDF;30.23;1.87e4;316381 2,3,4,7,8-PeCDF 31.21 1.94e4 358772	F2:Voltage SIR,EI+ 339.860 3.602e+005
-		

30,50

30.50

30,41 30.57

30.50

232901

31.00

13C-2,3,4,7,8-PeCDF 31.19

8.28e5

15134069

13C-2,3,4,7,8-PeCDF

31.19

5.26e5

9552657

31.00

31.00

30.75

30.75

30.76 30.90

30.75

31.25

31.25

31.18 31.31 31.43

31.25

28.46 28.67

0-

100-

%-

0

1007

%

0

DPE2

100-

%

0

28.50

200528R2_2

28.50

200528R2_2

28.50

200528R2_2

13C-1,2,3,7,8-PeCDF

28.75

28.75

29.00

29.00

28.72 28.93

29.00

28.75

7857

29.50

29.50

29.54

29.50

29.71

29.75

29.75

29.75

30.00

13C-1,2,3,7,8-PeCDF 30.21

8.39e5

14876273

13C-1,2,3,7,8-PeCDF 30.21 5.28e5

9262425

30.00

30.00 30.11

30.00

30.25

30.25

30.25

29.25

29.25

29.22

29.25

29.16

29.27

min

351.900

min

T min

min

1.524e+007

9.602e+006

32.50

F2:Voltage SIR,EI+

F2:Voltage SIR,EI+ 353.897

32.50

F2:Voltage SIR,EI+ 409.7974 6.609e+003

m

32.50

32.00

32.00

31.77 32.03

32.00

32.06

32.25

32.25

32.15 32.24 32.46

32.25

31.75

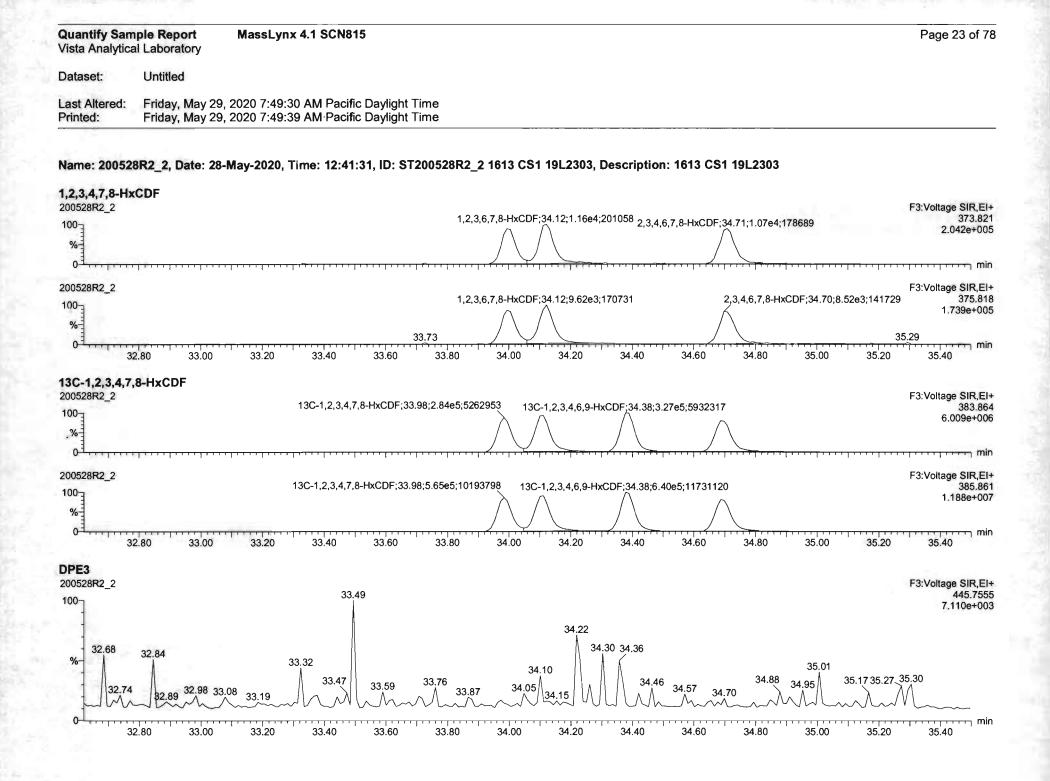
31.75

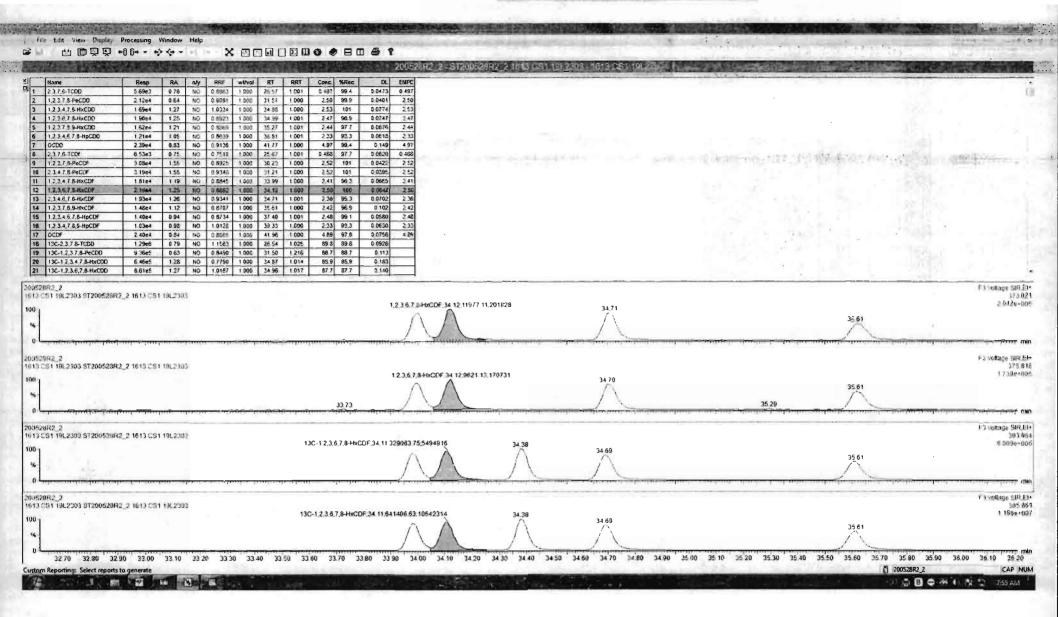
31.66

31.75

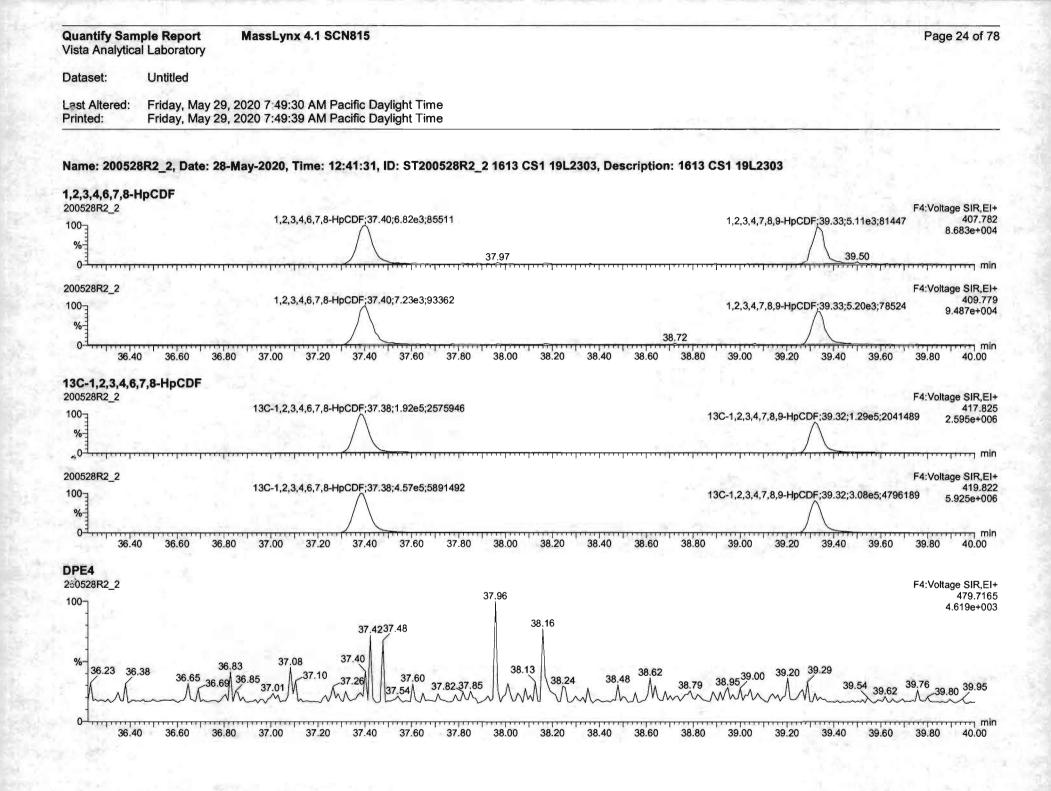
31.50

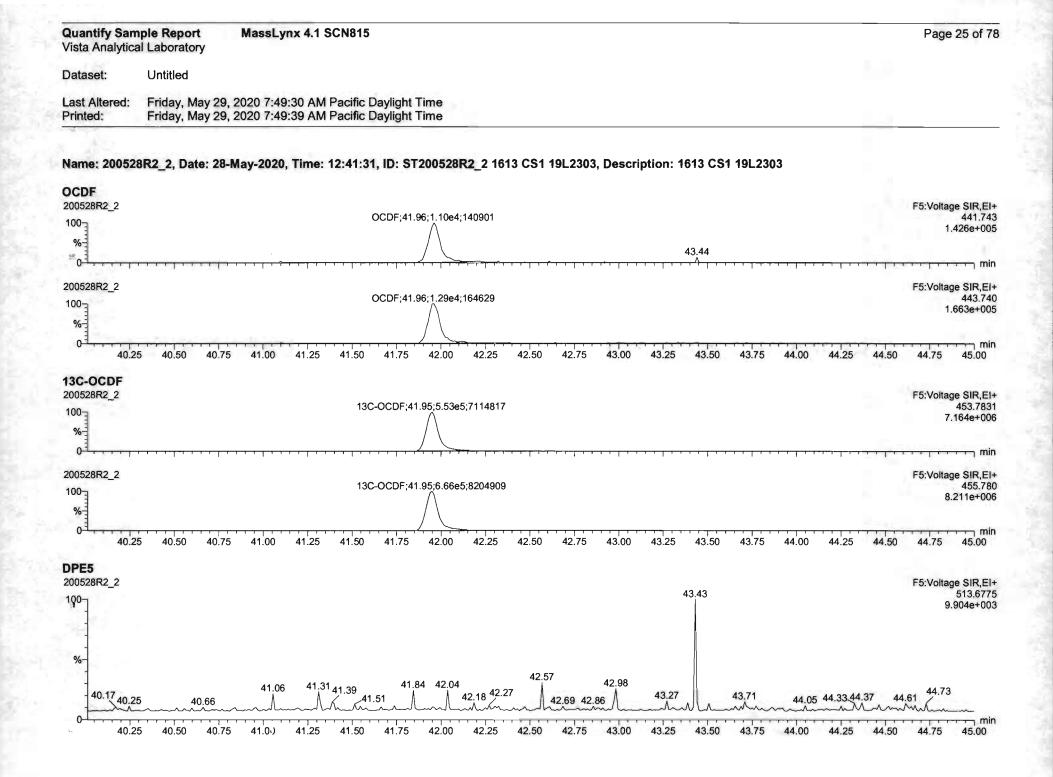
31.50





								Sector and the sector of the s
14ame	Resp RA My RR 5-69e3 0.76 NO 0.85	the second se	Conc. %Rec 0 497 99 4 0	DL EMPC				
1,2.3.7,8-PeCDD	212e4 084 NO 090			0401 2.50				
1.2.3.4.7.8-HxCDD	165e4 127 NO 1.03			0774 2.53				
12.3 6.7 3-HxCDD	190e4 125 NO 0.85	the second statement of the se		0747 247				
1 2.3.7 8 9-HxCDC	152e4 121 NO 0 88	the second se		0 0876 2 44				
1.2.3.4.6.7 S-HpCDD	121e4 1.05 NO 0.86			0613 2.33				
OCDO	2 3964 0 83 10 0 91			0 149 4 97				
237.6-TCDF	6.53e3 075 NO 075			0.0620 0.458				
1 2 3.7 8-PeCDF	3 08e4 155 NO 0 88			0422 2 52			5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Strate and the real of the second
23478-PecDF	2 15e4 155 NO 0.91			0395 2.52				
12.3.4.7 8-HxCDF	18164 119 NO 082			0665 2.41				HOR .
12.3.6.7 8-HxCDF	2 16e4 125 NO 0 88			0642 250				
2.346.78-HxCDF	193e4 126 NO 0.9	to an end of the second s		0702 2 36				
1,2,3,7.8.9-HbcOF	1.48e4 112 NO 0.83			0 102 2 42				
1 2.3.4 5 7.8-HpCDF	1 4024 0 94 NO 0 83	the second se		0580 2.48				
1,2.3.4.7.8.9-HpCDF	103e4 098 NO 101	the second se		0630 233				
OCDF	2 40e4 0 64 NO 0 84			0.0756 4 85			addition and the second second second	a start a second to
13C-2.3 7 8-TCDD	1 29e6 0 79 NO 1 15			0 0926				
13C-1,2,3 7 8-PeCDO	9 36ef 0 63 NO 0 84			0 113				14
13C-1.2.3.4 7.8-HxCDD	6.46e5 1.28 NO 0.77	and the second						
				0 183			the second s	
13C-1,2,3,6,7,8-HxCDD 8R2_2 CS1 19L2303 \$1200528R2	8.61s5 1.27 NO 1.01			<u>0.183</u> 0.140	12	3471	1237894600F 3561 785759 111133	
132-123,8,7,8-HxCDD 9R2_2 CS1 19L2303 \$1200528R2	8.61s5 1.27 NO 1.01			0 140		34.71	35 61 7857.59	294
136-123.8,7.8-Hx600 6R2_2 CS1 19L2303 \$T200528R2 501 19L2303 \$T200528R2 501 19L2303 \$T200528R2 501 19L2303 \$T200528R2 501 19L2303 \$T200528R2	8.81e5 1.27 NO 1.01			0 140		34,71	35.61 7967.59 111133 12.3.7.8.9+tacDF	294
136-12.3.6,7.8-Hoc00 9R2_2 251 19L2303 \$T200528R2 	8.81e5 1.27 NO 1.01			33.99	12 12		35 61 7857 59 111133 11 2 37 8 9 HaCDF 35 61	29 Thuến thuến thuật
13C-1.2.3.6.7.8-HxCDD IR2_2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2	8.81e5 1.27 NO 1.01			3199 34	12 12	34.71	35 61 7857.59 111133 12 37 8 9+HcOF 35 61 5958 87	29 Thuến thuến thuật
13C-1.2.3.6.7.8-HxCDD JR2_2 \$1 19L2303 \$1200528R2 	8.81e5 1.27 NO 1.01			33.99	12 12		35 61 7857 59 111133 11 2 37 8 9 HaCDF 35 61	29 Thuến Pa Vinage
13C-1.2.3.6.7.8-HxCDD JR2_2 \$1 19L2303 \$1200528R2 	8.81e5 1.27 NO 1.01		67.7 87.7	33.99	12 12		35 61 7857.59 111133 12 3.7 8 9 HacOF 35 61 6988 87 10318	29 Thuến Pa Vinage
13C-1.2.3.6.7.8-HxCDD JR2_2 \$1 19L2303 \$1200528R2 	8.81e5 1.27 NO 1.01			33.99	12 12		35 61 7857.59 111133 12 37 8 9+HcOF 35 61 5958 87	29 Thuến Pa Vinage
13C-1,2.3.6,7.6-HxCDD 9R2_2	8.61e5 127 HO 107		67.7 87.7	33.99	12 12		35 61 7857 59 111133 1 2 37 8 9 HaCOF 35 61 6998 87 103118 35 29 13C 12 3,7 8 9 HaCOF	
13C-1.2.3.6,7,8-HxCDD BR2_2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2	8.61e5 127 HO 107		67.7 87.7	3199 3199 3199 34 3199 34	12 12 12 12	34.70	35.61 7957.59 111133 12.3.7.8.9-наСОF 35.61 6990.87 103.118 36.29 13C-1.2.3.7.8.9-наСОF 35.61	29 Palonage 17 7/Pr
13C-1.2.3.6.7.8-HxCDD JR2_2 S1 19L2303 ST200528R2 S1 19L2303 ST200528R2 S1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2	8.61e5 127 HO 107		67.7 87.7	33.99	12 12 12 12		35 61 7857 59 111133 1 2 37 8 9 HaCOF 35 61 6998 87 103118 36 29 13C 1 2 37 8 9 HaCOF 103118 36 51 6998 87 103118	29 Palonage 17 7/Pr
132-12.3.67.8-HxCDD R2_2 S1 19L2303 ST200528R2	8.61e5 127 HO 107		67.7 87.7	3199 3199 3199 34 3199 34	12 12 12 12	34.70	35.61 7957.59 111133 12.3.7.8.9-наСОF 35.61 6990.87 103.118 36.29 13C-12.3.7.8.9-наСОF 35.61	29 Palonage 17 7/Pr
196-12.3.67.8-6x00 R2_2 S1 1912303 ST200528R2 1912303 ST200528R2 1912303 ST200528R2 S1 1912303 ST200528R2 R2_2	8.61e5 127 HO 107		67.7 87.7	3199 3199 3199 34 3199 34	12 12 12 12	34.70	35 61 7857 59 111133 1 2 37 8 9 HaCOF 35 61 6998 87 103118 36 29 13C 1 2 37 8 9 HaCOF 103118 36 51 6998 87 103118	29 Palonap 17 7/Pr
196-12.3.67.8-6x00 R2_2 S1 1912303 ST200528R2 1912303 ST200528R2 1912303 ST200528R2 S1 1912303 ST200528R2 R2_2	8.61e5 127 HO 107		67.7 87.7	3199 3199 3199 34 3199 34	12 12 12 12	34.70	35 61 7857 59 111133 1 2 37 8 9 HaCOF 35 61 6998 87 103118 36 29 13C 1 2 37 8 9 HaCOF 103118 36 51 6998 87 103118	29 Palonap 17 7/Pr
13C-1.2.3.6,7.8-HxCDD IR2_2 S1 19L2303 ST200528R2 IR2_2 S1 19L2303 ST200528R2 IR2_2 S1 19L2303 ST200528R2 IR2_2 IR1 19L2303 ST200528R2 IR2_2	86165 127 HO 107 2 1613 CS1 10L2333 2 1613 CS1 10L2333 2 1613 CS1 10L2333		67.7 87.7	3199 3199 3199 34 3199 34	12 12 12 12	34.70	35 61 7857 59 111133 1 2 37 8 9 HaCOF 35 61 6998 87 103118 36 29 13C 1 2 37 8 9 HaCOF 103118 36 51 6998 87 103118	29 Faltonage 17 Fâltonage 6.0 Fâltonage 6.0
13C-1.2.3.6,7,8-HxCDD BR2_2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2	86165 127 HO 107 2 1613 CS1 10L2333 2 1613 CS1 10L2333 2 1613 CS1 10L2333		67.7 87.7	3199 3199 3199 3199 3199 3198 341	12 12 12 12 12 13 14 13 14 10 14 10 14 10 14 10 14 10	34.70	35.59 11/133 12.3.7.8.9+hcCof 35.51 5988.87 103/118 35.29 13C.12.3.7.8.9.hcCof 35.61 235.45 35.61 235.61 235.45 35.61 235.65 34.92711 13C.12.3.7.8.9.hcCof 36.61 235.45 34.92711 13C.12.3.7.8.9.hcCof 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711	2 9- Fra Vonaje 17: Fra Vonaje 6 ju Fra Vonaje
13C-1.2.3.6,7,8-HxCDD BR2_2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2	86165 127 HO 107 2 1613 CS1 10L2333 2 1613 CS1 10L2333 2 1613 CS1 10L2333		67.7 87.7	3199 3199 3199 34 3199 34	12 12 12 12 12 13 14 13 14 10 14 10 14 10 14 10 14 10	34.70	35 51 7857.59 111133 12.3.7 8.9-наСОР 35 51 6998 87 103118 35 29 13C 12.3.7 8.9-наСОР 35 61 235455 65 3492711 13C-12.3.7 8.9-наСОР 13C-12.3.7 8.9-наСОР	2.94 Fra testage 173 F 3 vostage 6.00
13C-1.2.3.6,7.8-HxCDD IR2_2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2 IS1 19L2303 ST200528R2	86165 127 HO 107 2 1613 CS1 10L2333 2 1613 CS1 10L2333 2 1613 CS1 10L2333		67.7 87.7	3199 3199 3199 3199 3199 3199 3198 341	12 12 12 12 12 13 14 13 14 10 14 10 14 10 14 10 14 10	34 69	35.59 11/133 12.3.7.8.9+hcCof 35.51 5988.87 103/118 35.29 13C.12.3.7.8.9.hcCof 35.61 235.45 35.61 235.61 235.45 35.61 235.65 34.92711 13C.12.3.7.8.9.hcCof 36.61 235.45 34.92711 13C.12.3.7.8.9.hcCof 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711 35.61 235.65 349.711	2.94 Fra Voltage 172 Fra Voltage 6.50 Fra Voltage
132-12.3.8,7.8-HxCDD IR2_2 S1 19L2303 ST200528R2 19L2303 ST200528R2 182_2 S1 19L2303 ST200528R2 182_2 S1 19L2303 ST200528R2 19L2303 ST200528R2 19L2303 ST200528R2	86165 127 HO 107 2 1613 CS1 10L2333 2 1613 CS1 10L2333 2 1613 CS1 10L2333		67.7 87.7	3199 3199 3199 3199 3199 3199 3198 341	12 12 12 12 12 13 14 13 14 10 14 10 14 10 14 10 14 10	34 69	35 51 7857.59 111133 12.3.7 8.9-наСОР 35 51 6998 87 103118 35 29 13C 12.3.7 8.9-наСОР 35 61 235455 65 3492711 13C-12.3.7 8.9-наСОР 13C-12.3.7 8.9-наСОР	2 9- Fra Vonaje 17: Fra Vonaje 6 ju Fra Vonaje



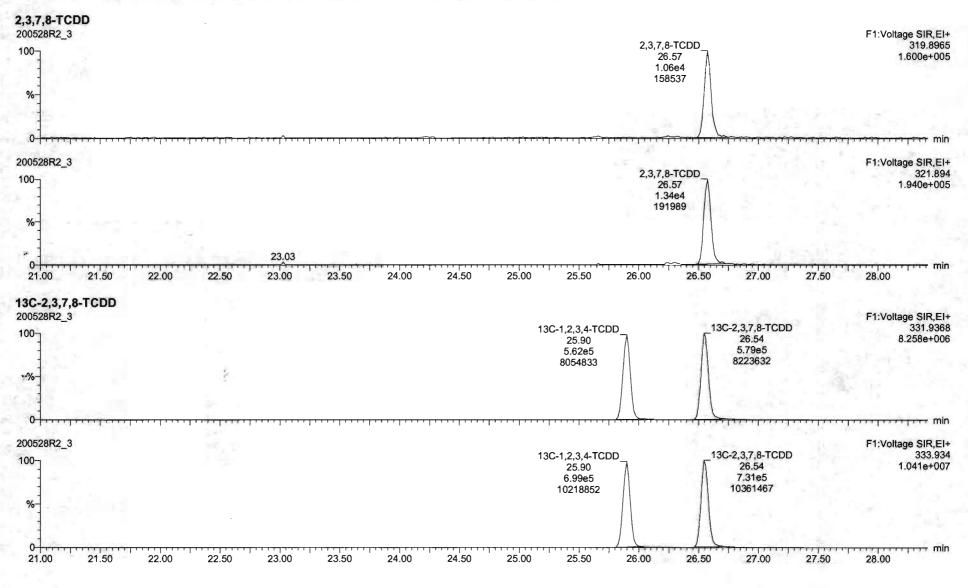


na contactant	• • • • •	A State Westernet		E DATE AND	200528R2	2 ST200528R2 2 16	13 CS1 19L2303- 161	3.CS1 19L2303	MALLAND STREET	프로그램에 미하는 것이라.	2400-2009-0	Contraction of the second
Name	Reap R	ny RRF	NTVOI RT RR	T Conc. %Riec	OL EMPC							
2.3.7.6-TCDD	5.69e3 0		1000 26.57 1.00		0.0423 0.497							
1,2,3,7,8-PeCDO	2.12e4 0.6		1.000 31.51 1.00		0 0401 2 50							
1.2.3.4.7.8-HxCDD	1 85e4 1 2		1 000 34 88 1.00		0.0774 2.53							
1.2.3.6.7.8-HxCDD	1 90e4 1.		1 000 34 99 1 00		0.0747 2.47							
1 7.3.7 8 9-HxCDD 1,2.3 4,6 7,8-HpCDD	1.6284 1.2		1 000 35 27 1 00		0 0876 2 44							
0CDD	121e4 1.6		1 000 36 51 1 00 1 000 41 77 1 00		0.0618 2.33							
2.3.7.6-TCDF	653e3 03		1 000 25 67 1 00		0.0620 0.488							
1,2,3,7,8-PeCOF	3.05e4 1.5		1 000 30 23 1 00		0.0422 2.52							
2,3 4,7,8-PeCLF	3 1564 1.5		1000 3121 100		0.0395 2.52							
1.2,3,4.7,8-HxCDF	181e4 1		1 000 33 99 1 00		0.0665 2.41		14					
1,2.3,6,7 8-HACOF	21664 1		1.000 34.12 1.00		0.0642 2.50							
2.3.4.6.7.8-HxCDF 1.2.3.7.8.9-HxCDF	193e4 12 146e4 1		1 000 34 71 1 00 1 000 25 61 1 00		0 0702 2 36							
1.2.3.4 6 7.8-HpCDF	1 40e4 0 5		1 000 37 40 1 00		0.0580 2.48							
1.2.3.4.7.6.5-HpCDF	1.03e4 0.6		1 000 39.33 1.00		0.0630 2.33							
OCOF	2.40e4 0.3	10 0.8085	1.000 41.96 1.00	0 4.89 97.8	0.0756 4.39					34		
13C-2,3,7 8-TCDD	1 2966 0		1 000 26 54 1 02		0 09:76							
13C-1.2,37.8-PeCDD	9 %6e5 0 8		1 000 31 50 1 21		0 113						1 - P.N.	
13C-1.2.3.4 7.8-HxCDD 13C-1.2.3.6,7.8-HxCDD	6 46e5 13		1 000 34 87 1.01 1.000 34.96 1.01		0 183							
982_2 \$1 19L2303 \$T20052881	2 1613 CS1 18L	303		,	OCDF, 41 96, 1095	1 58,140901			43,44			Fillenaen 143
	12 1613 CS1 19L				OCDF, 41 95, 1095	1.58,140901			43.44	۲. ۴۰۲۳, ۴۰۰ , ۲۰۰۰	، «د کار» در از معالی در سرا	A 1.14 1.16 1.16 1.
S1 18,2303 9720052881	2 1613 CS1 190		*****	<u>∼∼?</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	OCDF, 41 95, 1095	1 58(140901		******	43,44	2 	• • • • • • • • • • • • • • • •	2 C.
\$1 18L2303 \$T200528R1				÷;;;;;;;;;;;;			- 1		43,44	1 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	,	1 #3
S1 19L2303 ST20052881					OCDF, 41 95, 1095				43.44	₩ ₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	د در کرد در در در در	1 42
\$1 18L2303 \$T200528R1							n far te ige en de ser de se	(+>-)	43.44	₩ ₩1₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	n Selada en la cinecembr	1 #3
S1 TRL2303 ST20052881							a ya a sa	and the second	43,44	* - ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1 #3
\$1 18L2303 \$720052881					OCDF 41 96, 1308				43,44 ∽,,^,	^{19.} 3.179,50,17		1 #3
S1 19L2303 ST200528R1 R2_2 S1 19L2303 ST200523R: R2_2	2, 2 1613 (35 19),				OCDF 41 96, 1308	98,164307			43,44 ∽,,^,,,	^{19.} ² ,1 ^{29,22} ,1 ^{27,12} ,1		1 #3
S1 19L2303 ST200528R1 	2, 2 1613 (35 19),				OCDF 41 96, 1309	9.98,184307			43,44 ∽,~~~,^~,~,~,~,~,~,~,~,~,~,~,~,~,~,~,~,~	¹⁹ ² +1 ⁻²)- ² -1 ² -	• • • • • • • • • • • • • • • • • • •	9 at F5 voltage 1 6f 55 voltage F5 voltage
S1 18L2303 ST200528R1 (R2_2 S1 19L2303 ST200523R: (R2_2 S1 19L2303 ST200523R)	2, 2 1613 (35 19),			- 4 - Profession - 1 - 1 - 1	OCDF 41 96, 1308	9.98,184307			43,44			FS Voltage 1 St 1 St 5 Voltage
S1 18L2303 ST200528R1 (R2_2 S1 19L2303 ST200523R: (R2_2 S1 19L2303 ST200523R)	2, 2 1613 (35 19),			- 44-10-10-10-10-10-10-10-10-10-10-10-10-10-	OCDF 41 96, 1309	9.98,184307			43,44	19	ىلىنى بىرىنىيى بىرىرىيى بىرىنىيى بىرىيى بىرىيى بىرىيى بىرى بىرىنى بىرىنىيى بىرىنىيى بىرىيى بىرىيى بىرى	9 at F5 voltage 1 6f 55 voltage F5 voltage
81 19L2303 ST200528R1 R2_2 S1 19L2303 ST200528R3	2, 2 1613 (35 19),				OCDF 41 96, 1309	9.98,184307			43.44	Υ τη γιατρατικός του του	ىلىدىنى بوغىلى بويىغى - لە	9 at F5 voltage 1 6f 55 voltage F5 voltage
81 19L2303 ST200528R1 R2_2 S1 19L2303 ST200528R3	2, 2 1613 (35 19),				OCDF 41 96, 1309	9.98,184307			43.44	¹⁹ - ¹ - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		9 at F5 voltage 1 6f 55 voltage F5 voltage
S1 TRL2303 ST200528R3 R2_2 S1 TRL2303 ST200528R3 R2_2 S1 TRL2303 ST200528R3 R2_2 S1 TRL2303 ST200528R3 R2_2 S1 TRL2303 ST200528R3	2, 2 1613 (35 19), 2, 2 1613 (35 19), 2, 2 1613 (35 19),	302			OCDF 41 96, 1309	9.98,184307	. I		43.44			F5 Voltage F5 Voltage F5 voltage 4 7 ti F5 voltage
S1 19L2303 ST200528R3 IR2_2 S1 19L2303 ST200528R3 IR2_2 S1 19L2303 ST200528R3 IR2_2 S1 19L2303 ST200528R3 IR2_2	2, 2 1613 (35 19), 2, 2 1613 (35 19), 2, 2 1613 (35 19),	302		WILL E	OCDF 41 96, 1309	98,164307			43.44	°		F5 voltage F5 voltage F5 voltage F5 voltage F5 voltage
	2, 2 1613 (35 19), 2, 2 1613 (35 19), 2, 2 1613 (35 19),	302		WILL E	OCDF 41 96, 1309	98,164307	· · · · · · · · · · · · · · · · · · ·		43,44	ν ² −−−−, μ [−] −−−, μ ^{−−−} −, μ ^{−−−} , μ ^{−−−−} , μ ^{−−−−−} , μ ^{−−−−−−−−, μ^{−−−−−−}, μ^{−−−−−−}, μ^{−−−−−−−−−, μ^{−−−−−−−−−−−−−−−−, μ^{−−−−−−−−−−−−−−−−}}}}		F5 Voltage F5 Voltage F5 voltage 4 7 ti F5 voltage
S1 19L2303 ST200528R3 IR2_2 S1 19L2303 ST200528R3 IR2_2 S1 19L2303 ST200528R3 IR2_2 S1 19L2303 ST200528R3 IR2_2	2, 2 1613 (35 19), 2, 2 1613 (35 19), 2, 2 1613 (35 19),	302		WILL E	OCDF 41 96, 1309	38.00,7114817			43.44			F5 voltage F5 voltage F5 voltage F5 voltage F5 voltage
81 19L2303 ST200528R3 19-11-21-22 R2_2 S1 19L2303 ST200528R3 R2_2 S1 19L2303 ST200528R3 R2_2 S1 19L2303 ST200528R3	2, 2 1613 (35 19), 2, 2 1613 (35 19), 2, 2 1613 (35 19),	302		WILL E	OCDF 41 96, 1309	38.00,7114817			43.44	(*************************************	بر از	F5 voltage F5 voltage F5 voltage F5 voltage F5 voltage
81 19L2303 ST200528R3 19-11-21-22 R2_2 S1 19L2303 ST200528R3 R2_2 S1 19L2303 ST200528R3 R2_2 S1 19L2303 ST200528R3	2, 2 1613 (35 19), 2, 2 1613 (31 19), 2, 2 1613 (31 19), 2, 2 1613 (31 19)	302		WILL E	OCDF 41 96, 1309	1 98,164307 38.00,7114817 27.88;8204909		43.00 43.20				F5 voltage F5 voltage F5 voltage F5 voltage F5 voltage

Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory			1.19	Page 26 of
ataset: Untitled				
st Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Inted: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time				
me: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19	9L2303, Description: 1	613 CS1 19L2303		
K1 ^{J528R2_2} 19.40;9.78e4;684562			27.73;1.41e4;140	F1:Voltage SIR,
20.63 21.10 21.4521.72 22.62;1.18e4;172164 23.82;5.59e3;1	14486 24.96;4.82e4;2657	10 26.03;1.28e4;199282	27.73, 1.4164, 140	316.98
6				
19.50 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.0	00 24.50 25.00	25.50 26.00 26.5	0 27.00 27.	50 28.00
(2 528R2 2				
	30.73 30.87 31.04	31.30 31.50 31.62 31.	31.85 32.05 32	F2:Voltage SIR, 2.23 32.41 366.9 1.6236+0
28.49				1.0238+0
			****	n
	30.75 31.00 31	.25 31.50 31.7	5 32.00 3	32.25 32.50
28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50	30.75 31.00 31	.25 31.50 31.7	5 32.00 3	32.25 32.50
28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 (3 528R2_2 23.50 ^{33.63}	24 70-4 0104-942659	.25 31.50 31.7 35.07;5.76e4;1101461 35.		52.25 32.50 F3:Voltage SIR, 68 35.79 380.9
$\begin{array}{c} \hline & & \\ \hline & & \\ 28.50 & 28.75 & 29.00 & 29.25 & 29.50 & 29.75 & 30.00 & 30.25 & 30.50 \\ \hline & & \\ \hline & & \\ \hline & & \\ 528R2_2 \\ \hline & & \\ \hline & & \\ \hline & & \\ 32.64 \end{array}$	24 70-4 0104-942659			52.25 32.50 F3:Voltage SIR, 68 35.79 380.9
$\begin{array}{c} \hline & & \\ 28.50 & 28.75 & 29.00 & 29.25 & 29.50 & 29.75 & 30.00 & 30.25 & 30.50 \\ \hline \textbf{(3)} \\ 528\text{R2}_2 \\ \hline & & 32.81 & 32.96 & 33.11 & 33.24 \\ \hline & & & & & & & & & & & \\ 32.64 & & & & & & & & & & & & & \\ \hline & & & & &$	34.79;4.91e4;843658	35.07;5.76e4;1101461 35.		52:25 32:50 F3:Voltage SIR, 68 35.79 380.9 9:504e+(
28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 (3 32.81 32.96 33.11 33.24 33.58 33.63 34.10 34.36 32.64	34.79;4.91e4;843658	35.07;5.76e4;1101461 35.		32.25 32.50 F3:Voltage SIR, .68 35.79 380.9 9.504e+1
$\begin{array}{c} 28.50 \\ 28.75 \\ 29.00 \\ 29.25 \\ 29.50 \\ 29.75 \\ 30.00 \\ 30.25 \\ 30.00 \\ 30.25 \\ 30.50 \\ 30.50 \\ 31.10 \\ 32.81 \\ 32.80 \\ 33.00 \\ 33.20 \\ 33.40 \\ 33.60 \\ 33.60 \\ 33.80 \\ 34.00 \\ 34.20 \\ 34.20 \\ 34.4 \\ 4 \end{array}$	34.79;4.91e4;843658	35.07;5.76e4;1101461 35.	3335.42 35.56 35.	F3:Voltage SIR, 68 35.79 380.9 9.504e+(35.80 36.0
$\begin{array}{c} & & & & \\ & & & & \\ & & & & \\ & & & & $	34.79;4.91e4;843658 3 3 3 3 3 3 4.60 3 4.80 3 4.80 3 8.67	35.07;5.76e4;1101461 35. 35.00 35.20	3335.42 35.56 35 35.40 35.60	F3:Voltage SIR, 68 35.79 380.9 9.504e+ 35.80 36.0 F4:Voltage SIR, 430 9
$\begin{array}{c} 28.50 & 28.75 & 29.00 & 29.25 & 29.50 & 29.75 & 30.00 & 30.25 & 30.50 \\ \hline \textbf{(3)} \\ 528R2_2 \\ \hline \textbf{(3)} \\ 32.64 \\ \hline \textbf{(3)} \\ 32.80 & 33.00 & 33.20 & 33.40 & 33.60 & 33.80 & 34.00 & 34.20 & 34.4 \\ \hline \textbf{(4)} \\ 528R2_2 \\ \hline \textbf{(5)} \\ 53.60 \\ \hline \textbf{(5)} \\ 53.60 \\ \hline \textbf{(5)} \\ 53.60 \\ \hline \textbf{(5)} \hline \textbf{(5)} \hline \textbf{(5)} \\ \hline \textbf{(5)} \hline \textbf$	34.79;4.91e4;843658 3 40 34.60 34.80	35.07;5.76e4;1101461 35.	3335.42 35.56 35.	F3:Voltage SIR, 68 35.79 380.9 9.504e+1 35.80 36.0 F4:Voltage SIR,
$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$	34.79;4.91e4;843658 3 3 3 3 3 3 4.60 3 4.80 3 4.80 3 8.67	35.07;5.76e4;1101461 35. 35.00 35.20	3335.42 35.56 35. 35.40 35.60 39.42	52.25 32.50 F3:Voltage SIR, 68 35.79 380.9 9:504e+ 35.80 36.0 F4:Voltage SIR, 39.827.813e+
$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$	34.79;4.91e4;843658 3 3 3 3 3 4.60 3 4.80 3 3 8.3038.40 3 8.60 3 8.60 3 8.60 3 8.60 3 8.60 3 3 8.60 3 8.60 3 3 8.60 3 3 8.60 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	35.07;5.76e4;1101461 35. 35.00 35.20	3335.42 35.56 35. 35.40 35.60 39.42	52.25 32.50 F3:Voltage SIR, 68 35.79 380.9 9:504e+ 35.80 36.0 F4:Voltage SIR, 430.9 39.827.813e+
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	34.79;4.91e4;843658 3 3 3 3 3 4.60 3 4.80 3 3 8.3038.40 3 8.60 3 8.60 3 8.60 3 8.60 3 8.60 3 3 8.60 3 8.60 3 3 8.60 3 3 8.60 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	35.07;5.76e4;1101461 35. 35.00 35.20 7 38.84 39.16	3335.42 35.56 35. 35.40 35.60 39.42	52.25 32.50 F3:Voltage SIR, 68 35.79 380.9 9:564e+1 35.80 36.0 F4:Voltage SIR, 430.9 39.827.813e+1
$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$	34.79;4.91e4;843658 3 40 34.60 34.80 38.3038.40 38.60 38.67 0 38.40 38.60 3	35.07;5.76e4;1101461 35. 35.00 35.20 7 38.84 39.16 38.80 39.00 39.20	3335.42 35.56 35. 35.40 35.60 39.42	F3: Voltage SIR, 68 35.79 380.9 9.564e+1 35.80 36.0 F4: Voltage SIR, 430.9 39.827.813e+1 0 39.80 40.0 F5: Voltage SIR,
$\begin{array}{c} 28.50 & 28.75 & 29.00 & 29.25 & 29.50 & 29.75 & 30.00 & 30.25 & 30.50 \\ \hline & & & & & & & & \\ 32.81 & 32.96 & 33.11 & 33.24 & 33.58 & 33.63 & 34.10 & 34.36 \\ \hline & & & & & & & & & & \\ 32.80 & 33.00 & 33.20 & 33.40 & 33.60 & 33.80 & 34.00 & 34.20 & 34.4 \\ \hline & & & & & & & & & \\ 32.80 & 33.00 & 33.20 & 33.40 & 33.60 & 33.80 & 34.00 & 34.20 & 34.4 \\ \hline & & & & & & & & & \\ 36.49 & 30e5;3526245 & 36.87 & 36.99 & 37.29 & 37.34 & 37.50 & 37.63 & 37.81 & 37.95 \\ \hline & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & \\ 32.80 & 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & \\ 32.882 & 2 & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & & & & & & &$	34.79;4.91e4;843658 3 3 3 3 3 3 3 3 3 3 3 3 3	35.07;5.76e4;1101461 35. 35.00 35.20 7 38.84 39.16 38.80 39.00 39.20	3335.42 35.56 35. 35.40 35.60 39.42	52.25 32.50 F3:Voltage SIR, 68 35.79 380.9 9:504e+ 35.80 36.0 F4:Voltage SIR, 430.9 39.827.813e+ 0 39.80 40.0
$\begin{array}{c} 28.50 & 28.75 & 29.00 & 29.25 & 29.50 & 29.75 & 30.00 & 30.25 & 30.50 \\ \hline & & & & & & & & \\ 32.872_2 \\ 32.81 & 32.96 & 33.11 & 33.24 & 33.58 \\ \hline & & & & & & & & & \\ 32.80 & 33.00 & 33.20 & 33.40 & 33.60 & 33.80 & 34.00 & 34.20 & 34.4 \\ \hline & & & & & & & & \\ 32.80 & 33.00 & 33.20 & 33.40 & 33.60 & 33.80 & 34.00 & 34.20 & 34.4 \\ \hline & & & & & & & \\ 32.872_2 \\ \hline & & & & & & & & \\ 36.49_{19}.30_{25};3526245 & 36.87 & 36.99 & 37.29 & 37.34 & 37.50 & 37.63 & 37.81 & 37.95 \\ \hline & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & & & & & & &$	34.79;4.91e4;843658 3 40 34.60 34.80 38.3038.40 38.60 38.67 0 38.40 38.60 3	35.07;5.76e4;1101461 35. 35.00 35.20 7 38.84 39.16 38.80 39.00 39.20	3335.42 35.56 35. 35.40 35.60 39.42 39.40 39.60	52.25 32.50 F3:Voltage SIR 58 35.79 380.9 9:504e+ 35.80 36.0 F4:Voltage SIR 430.9 39.827.813e+ 39.827.813e+ 39.80 40.0 F5:Voltage SIR

Quantify San Vista Analytica		Page 27 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



Dataset: Untiled ast Altered: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time tame: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304 F1:Voltage SITE tame: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304 F1:Voltage SITE 000528R2_3 77CL-23.7.8-TCDD 77CL-23.7.8-TCDD 77CL-23.7.8-TCDD 000528R2_3 21.50 22.50 23.00 24.00 24.50 25.50 26.00 26.50 27.00 27.50 28.00 27.60 27.50 28.50 77.00 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 27.60 27.50 28.00 <t< th=""><th>Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time reted: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time ne: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1 H-2,3,7,8-TCDD 37CL 28R2_3 37CL 100 21.50 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26 +1,2,3,4-TCDD 37CL 37CL 37CL 37CL 37CL 37CL 100 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26 13C-12,3,4-TCDD 300 23.50 24.00 24.50 25.00 25.50 26 13C-12,3,4-TCDD 300 23.50 24.00 24.50 25.00 25.50 26 13C-12,3,4-TCDD 300<!--</th--><th></th><th>Page 28 of 7</th></th></t<>	Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time reted: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time ne: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1 H-2,3,7,8-TCDD 37CL 28R2_3 37CL 100 21.50 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26 +1,2,3,4-TCDD 37CL 37CL 37CL 37CL 37CL 37CL 100 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26 13C-12,3,4-TCDD 300 23.50 24.00 24.50 25.00 25.50 26 13C-12,3,4-TCDD 300 23.50 24.00 24.50 25.00 25.50 26 13C-12,3,4-TCDD 300 </th <th></th> <th>Page 28 of 7</th>		Page 28 of 7
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time Jame: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304 F1:Voltage SIRE Strong 37Ci-23.7,8-TCDD F1:Voltage SIRE Strong 23:0e4 32:39e4 32:39e4 32:39e4 32:39e4 30:02282,3 22:00 22:30 23:00 23:50 24:00 24:50 25:50 26:00 26:50 27:00 27:50 28:00 30:03:282,3 130:12.3.4 TCDD 130:12.3.4 TCDD 130:12.3.4 TCDD 130:23.7,8 TCDD F1:Voltage SIRE 0005:282,3 130:12.3.4 TCDD 130:12.3.4 TCDD 130:12.3.4 TCDD 130:12.3.4 TCDD F1:Voltage SIRE 0005:282,3 130:12.3.4 TCDD 130:12.3.4 TCDD 130:12.3.4 TCDD 130:12.3.7 & TCDD 53:13:82 0001 130:12.2.3.7 & TCDD 130:12.2.3.7 & TCDD 130:12.3.7 & TCDD 130:12.3.7 & TCDD 130:12.3.7 & TCDD 130:13:3.8 & 33:13:8	ted: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time ne: 20052882_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1 1-1-2,3,7,8-TCDD 2882_3 37C- 1 1 1 21.50 22.00 22.50 23.00 24.00 24.50 25.00 25.00 25.80 58282_3 13C-1,2,3,4-TCDD 28282_3 13C-1,2,3,4-TCDD 28282_3 13C-1,2,3,4-TCDD		
701-2.3,7,8-TCDD 37Ci-2.3,7,8-TCDD 28,57 28,57 3.253+00 32,300 324375 32 3.253+00 33 3.253+00 33 3.253+00 33 3.253+00 33 3.253+00 32	37CL 22872_3 37CL 37C		
000028R2_3 full 100 100 100 100 100 100 100 1	37CL 37CL	613 CS2 19L2304	
37CL-3.3,7-B-TCDD 28.57 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 324375 2.3064 3243975 2.306 2.500 2	37CL 37CL		
324375 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 26.50 27.00 26.50 27.00 28.50 231.926 332.926 331.926 332.926 331.926 332.926 331.926 332.926 332.926 332.926 332.926 332.926 332.926 332.926 332.926 332.926 332.926 332.926 332.926 332.926 332.926 332.926 333.926 33.926 33.926 33.926 33.926 33.926 33.926 33.926 33.926 33.926 33.926 33.926 33.926 33.926 33.926 33.926	1.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26 -1,2,3,4-TCDD 28R2_3 13C-1,2,3,4-TCDD 28R2_3 13C-1,2,3,4-TCDD 25.90 5.62e5 8054833 13C-1,2,3,4-TCDD	26.57	327.88 3.253e+00
0 1	1.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26 -1,2,3,4-TCDD 28R2_3 13C-1,2,3,4-TCDD 28R2_3 13C-1,2,3,4-TCDD 25.90 5.62e5 8054833 13C-1,2,3,4-TCDD	2.30e4 324375	
0	1.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26 -1,2,3,4-TCDD 28R2_3 13C-1,2,3,4-TCDD 28R2_3 13C-1,2,3,4-TCDD 25.90 5.62e5 8054833 13C-1,2,3,4-TCDD		
0 -	1.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26 -1,2,3,4-TCDD 28R2_3 13C-1,2,3,4-TCDD 28R2_3 13C-1,2,3,4-TCDD 25.90 5.62e5 8054833 13C-1,2,3,4-TCDD		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26. -1,2,3,4-TCDD 528R2_3 13C-1,2,3,4-TCDD 5.62e5 8054833 13C-1,2,3,4-TCDD 528R2_3 13C-1,2,3,4-TCDD		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26. -1,2,3,4-TCDD 528R2_3 13C-1,2,3,4-TCDD 5.62e5 8054833 13C-1,2,3,4-TCDD 528R2_3 13C-1,2,3,4-TCDD		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26. -1,2,3,4-TCDD 528R2_3 13C-1,2,3,4-TCDD 5.62e5 8054833 13C-1,2,3,4-TCDD 528R2_3 13C-1,2,3,4-TCDD		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26. -1,2,3,4-TCDD 528R2_3 13C-1,2,3,4-TCDD 5.62e5 8054833 13C-1,2,3,4-TCDD 528R2_3 13C-1,2,3,4-TCDD		
00528R2_3 F1:Voltage SIR,E 00 13C-1,2,3,4-TCDD 13C-2,3,7,8-TCDD 331,930 25,90 26,54 8.258e+00 5,62e5 8054833 8223632 % 8054833 8223632 % 13C-1,2,3,4-TCDD 13C-2,3,7,8-TCDD 0 13C-1,2,3,4-TCDD 8223632 % 13C-1,2,3,4-TCDD 13C-2,3,7,8-TCDD 00528R2_3 13C-1,2,3,4-TCDD 13C-2,3,7,8-TCDD 00 13C-1,2,3,4-TCDD 13C-2,3,7,8-TCDD 13C-1,2,3,4-TCDD 13C-2,3,7,8-TCDD 333.90 100 25.90 13C-2,3,7,8-TCDD 333.90 100 25.90 13C-2,3,7,8-TCDD 333.90 1,041e+00 6.99e5 7,31e5 1.041e+00	528R2_3 13C-1,2,3,4-TCDD 25,90 5,62e5 8054833 528R2_3 13C-1,2,3,4-TCDD	.00 26.50 27.00 2	27.50 28.00
13C-1,2,3,4-TCDD 13C-2,3,7,8-TCDD 25.90 5.62e5 8054833 0 0 13C-1,2,3,4-TCDD 13C-2,3,7,8-TCDD	13C-1,2,3,4-TCDD 25.90 5.62e5 8054833 528R2_3 13C-1,2,3,4-TCDD		
5.62e5 8054833 % 0 0 0 0 0 0 0 0 0 0 0 0 0	5.62e5 8054833 528R2_3 13C-1,2,3,4-TCDD	13C-2,3,7,8-TCDD √ 26.54	331.936 8.258e+00
0 0 0 10 10 10 10 10 10 10 10	528R2_3 13C-1,2,3,4-TCDD	5.79e5	
00528R2_3 13C-1,2,3,4-TCDD 13C-2,3,7,8-TCDD 333.90 25.90 26.54 1.041e+00 6.99e5 7.31e5	13C-1,2,3,4-TCDD		
00528R2_3 00 00 00 00 00 00 00 25.90 6.99e5 00 7.31e5 F1:Voltage SIR,E 333.93 00 7.31e5	13C-1,2,3,4-TCDD		million and the second million and the second s
00 13C-1,2,3,4-TCDD 25.90 6.99e5 13C-2,3,7,8-TCDD 26.54 1.041e+00 7.31e5	13C-1,2,3,4-TCDD_	······	F1:Voltage SIR,E
6.99e5 /\ 7.31e5	- 25.90	∆ 26.54	333.93
	6.99e5	7.31e5 10361467	

24.50

24.00

25.00

25.50

26.00

26.50

27.00

23.50

23.00

Work Order 2001155

21.50

22.00

22.50

0]... 21.00

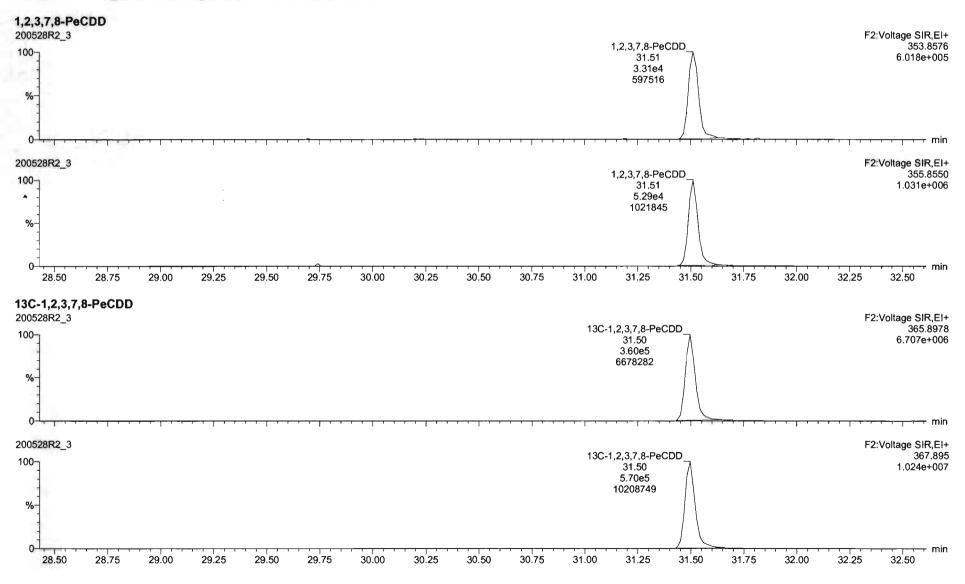
28.00

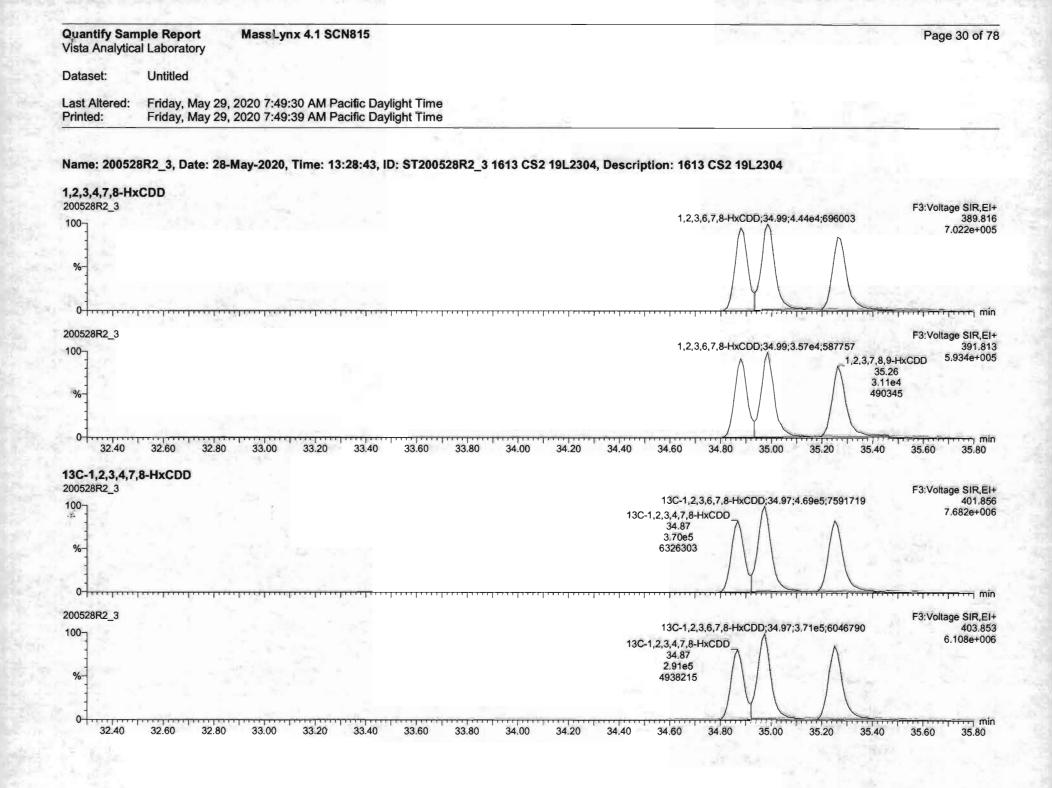
min

27.50

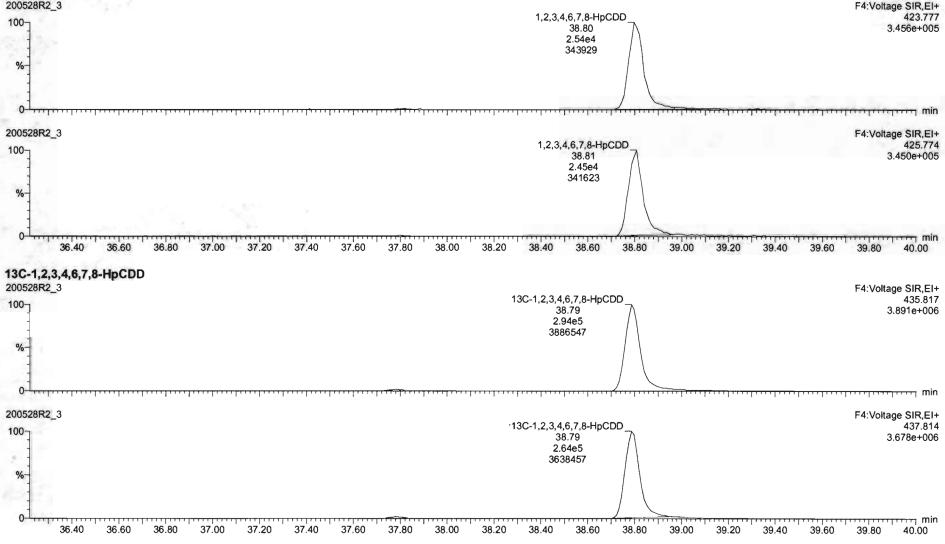
Quantify Sam Vista Analytica		Page 29 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



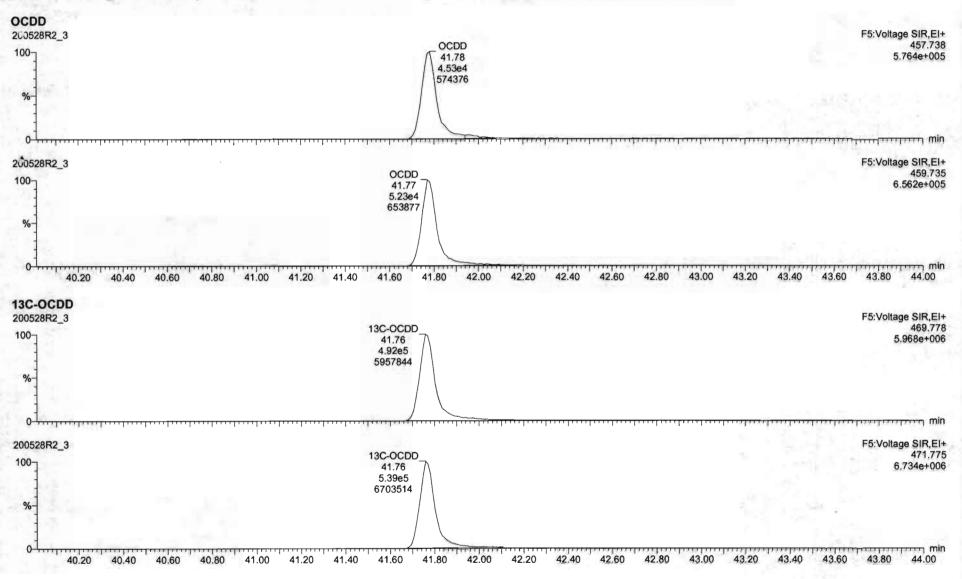


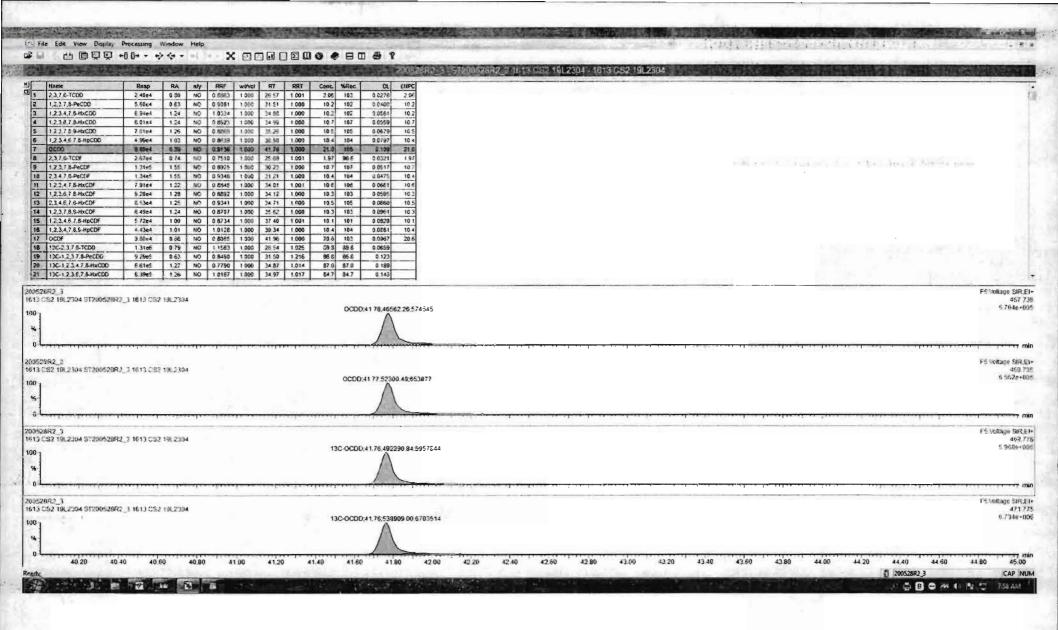
Quantify Sam Vista Analytica		Page 31 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
Name: 200528	3R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304	
1,2,3,4,6,7,8-	IpCDD	
200528R2 3		F4:Voltage SIR,EI+

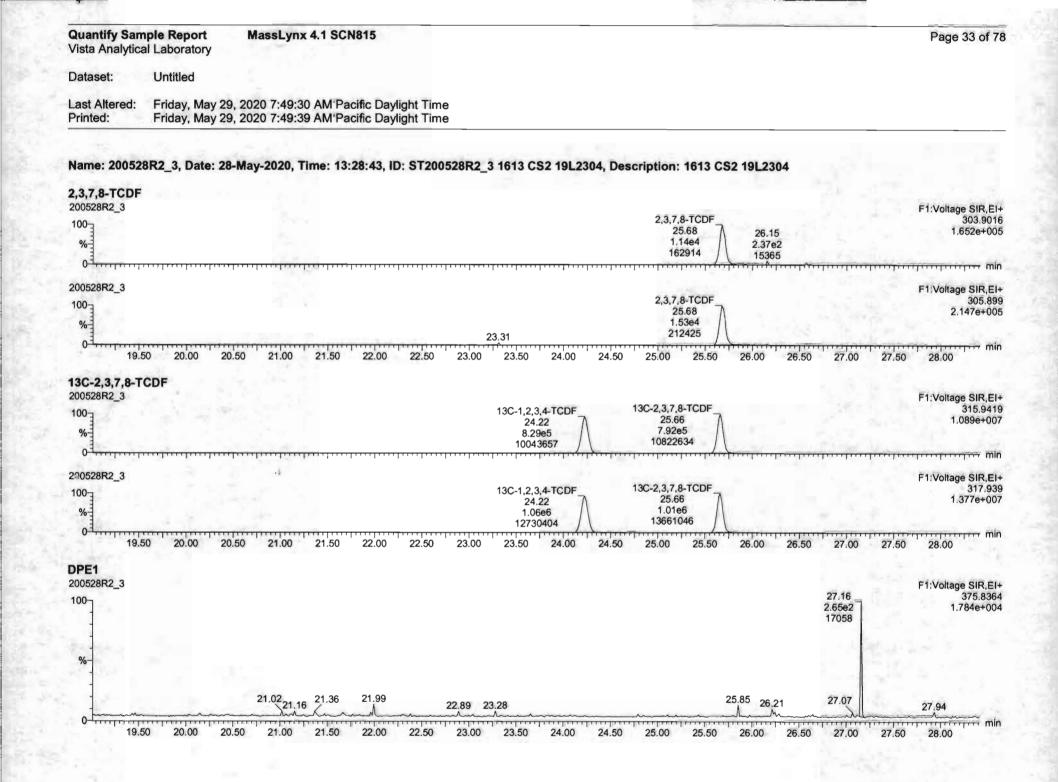


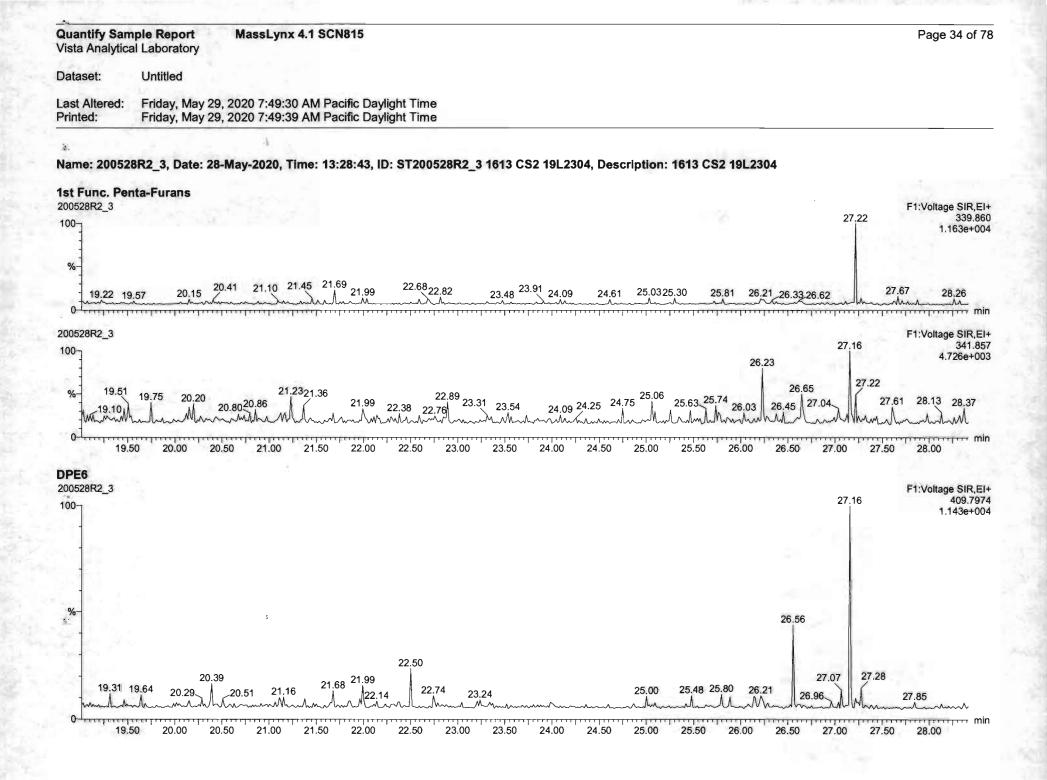
Quantify Sam Vista Analytica		Page 32 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

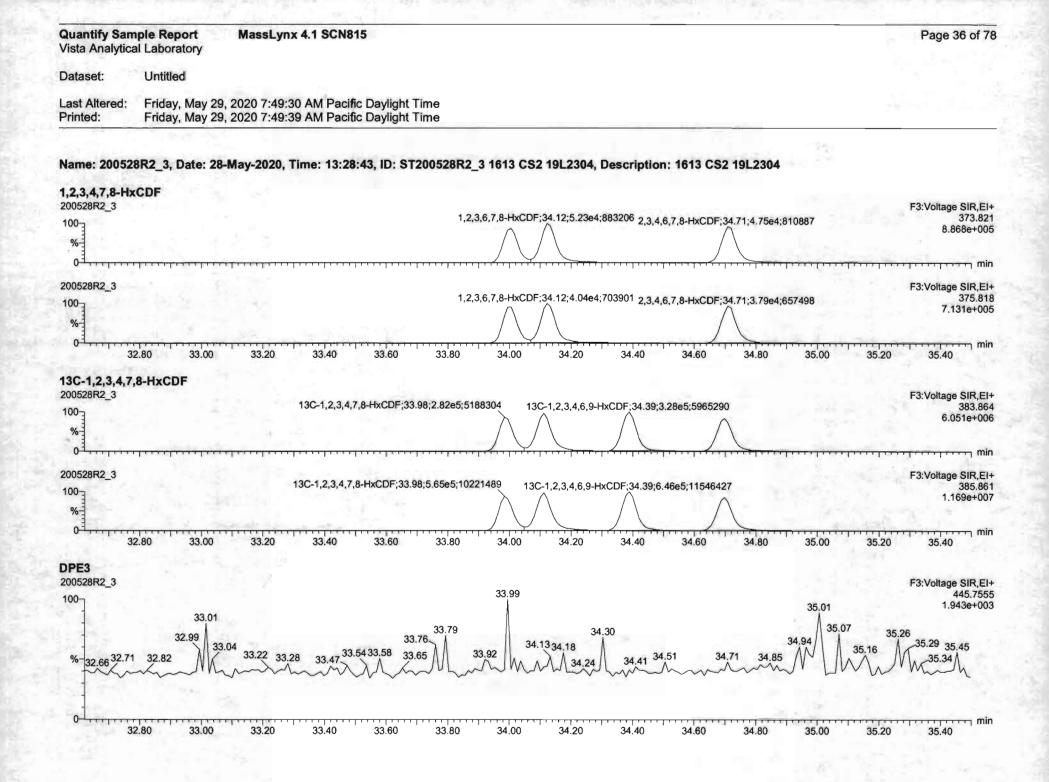








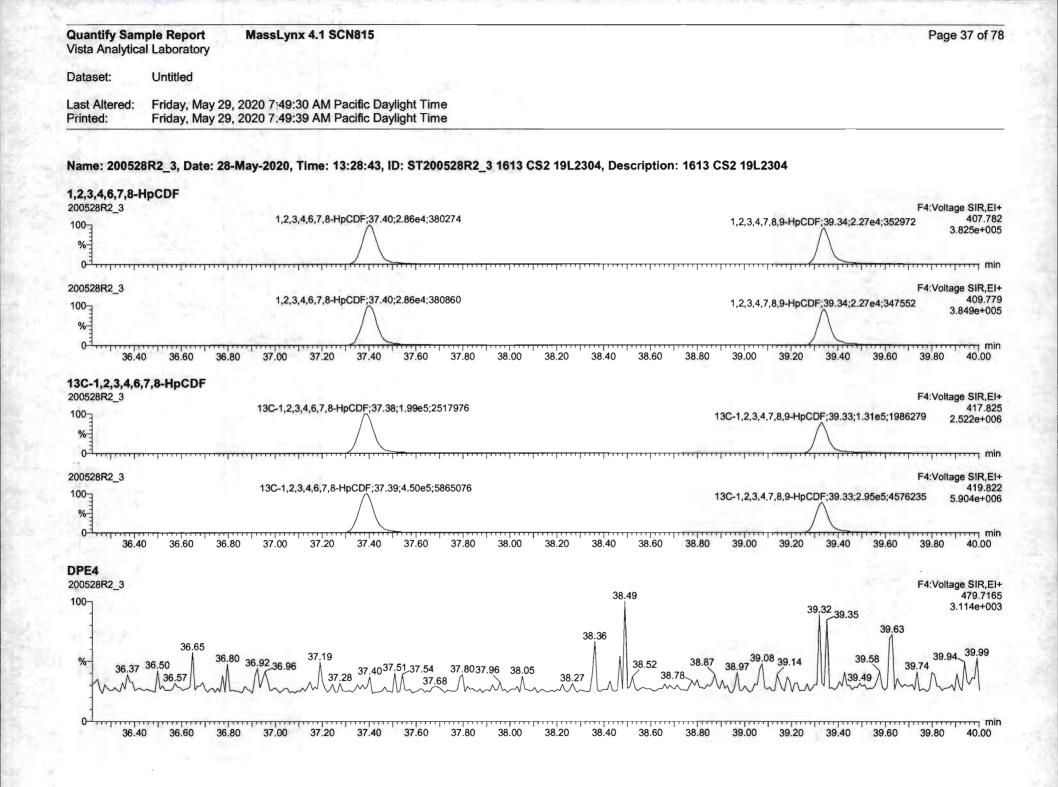
	mple Report cal Laboratory	MassLyr	nx 4.1 SCM	N815											Page 35 of
ataset:	Untitled														
ast Altered: rinted:	Friday, May 2 Friday, May 2														
ame: 20052	28R2_3, Date: 2	28-May-2020,	Time: 13:	28:43, ID:	ST20052	28R2 3 10	613 CS2 1	9L2304, I	Descriptio	on: 1613 (CS2 19L23	04			
2,3,7,8-PeC						-									
0528R2_3														F2	Voltage SIR,
Eoc				1,2	2,3,7,8-PeC 30.23	7		Ζ,	3,4,7,8-PeCE 31.21	$\overline{\Lambda}$					339.8 1.518e+(
%					7.98e4 1466043	/ \			8.12e4 1510798	/ \					
0ª, , , , FO	 	 			1400043		·								
0528R2_3														E2	:Voltage SIR,
0020102_0				1,2	2,3,7,8-PeC	DF_		2,3	3,4,7,8-PeCE	DF_					341.
1					30.23 5.16e4	\wedge			31.21 5.24e4	\wedge					9.743e+
%-					934156				970538	/					
28.50	28.75 29.00	0 29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.50
0528R2_3				: 8	,3,7,8-PeCI 30.21 3.45e5 883510	JF		8	,4,7,8-PeCD 31.19 3.51e5 5542624	F				F2	::Voltage SIR, 351. 1.561e+
0 ¹	<u></u>	 	 	· · l · · ·							, , , , ,		····		
0528R2_3														F2	:Voltage SIR,
EOC					,3,7,8-PeCI 30.21	ר_ ק			,4,7,8-PeCD 31.19	F					353.8 9.810e+0
%				5	5.31e5	/		ţ	5.28e5	/					0.0.00
			 	92	290722			9	765848	$\langle \cdot \rangle$	- 			.	
oter												A			32.50
28.50	28.75 29.00	0 29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	
PE2	28.75 29.0	0 29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00		
PE2 0528R2_3		0 29.25	29.50		30.00 29.97	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00		:Voltage SIR,
PE2 0528R2_3	28.78		29.50			30.25	30.50	30.75	31.00	31.25	31.50 31.53	31.75	32.00		Voltage SIR, 409.75
PE2 00528R2_3	28.78	29.25 29.09	29.50			30.25 30.23	30.50	30.75	31.00	31.25		31.75	32.00		Voltage SIR, 409.75
PE2 00528R2_3	28.78	29.09	29.50				30.50	30.75			31.53	31.75	32.00		Voltage SIR, 409.75
0 28.50 PE2 00528R2_3 00 8 28.60 28.48	28.78	29.09			29.97	30.23					31.53			F2	2:Voltage SIR, 409.79 3.022e+0
PE2 00528R2_3	28.78	29.09			29.97	30.23	30.50 0.38 30.54	30.75 30.83			31.53	63 31.74	32.00 32.05		:Voltage SIR, 409.79 3.022e+(
PE2 0528R2_3	28.78	29.09	29.59		29.97	30.23	0.38				31.53			F2	2:Voltage SIR, 409.79 3.022e+(



		1 CS2 19 2301 1613 OS2 19 2304	1.10% 高速的 网络加加加加加加加加加加加加加加加加加加	AMERICAN
2.8.7.6.*C00 2.459+4 0.00 NO 0.5855 1.500 21.57 1.501 2.00 12.5.7.5.4*PCD0 5.504+4 0.53 NO 0.5654 1.002 11.51 1.000 10 12.5.7.5.4*PCD0 6.564+4 1.24 NO 0.5524 1.000 1.6 12.5.7.5.4*PCD0 6.544+4 1.24 NO 0.5524 1.000 3.5 1.000 1.6 12.3.7.5.4*PCD0 6.544+4 1.24 NO 0.5524 1.000 3.5 1.000 1.6 12.3.7.5.4*PSCD0 7.644 1.24 NO 0.5691 1.000 35.8 1.000 1.6 0.2.3.7.5.4*PSCD0 7.644 1.26 NO 0.5691 1.000 1.6 0.6 1.000 1.6 0.6 1.000 1.6 0.6 1.000 1.6 0.6 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.001 1.001 1.001 1.001 1.001 <	2 102 0.4500 10.2 2 102 6.651 10.2 7 107 0.0559 10.7 104 0.0559 10.5 4 104 0.0579 5 0.05 10.0 6 105 2.10 946 0.0521 1.5 7 107 0.0511 1.5 7 107 0.0511 1.5 7 10.4 0.0511 1.5 7 10.4 0.0511 1.5 10.4 0.0511 1.6 0.05 10.2 1.0 10.4 0.0525 10.3			
4 12.37 m S-HxC19F 6.48e4 1.24 No. 0.5727 1.001 56.22 1.000 18 5 1.2.3.4 T 8 HpCDF 3.72e4 1.00 40 0.6723 1.000 1.00 <t< td=""><td>3 500 0 0000 10 1 101 0 0000 10 1 4 64 3 0001 10 1 101 0 0001 10 1 103 0 000 10 0 00 0 0 000 0 00 0 0 000 0 00 0 0 100 0 000 0 0 0 0 0 0 0 0 br/>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td></td><td></td><td>1.1</td></t<>	3 500 0 0000 10 1 101 0 0000 10 1 4 64 3 0001 10 1 101 0 0001 10 1 103 0 000 10 0 00 0 0 000 0 00 0 0 000 0 00 0 0 100 0 000 0 0 0 0 0 0 0 0 br>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			1.1
\$2062_3 3152_16LP304_0130052862_3_1613_152_16L2304		⁵⁴⁷¹	54 63	F3108age SIR 3738 3 898e-0
82940_3 3.792 10.2304 51.20652802_3 1645.200 10.2304	1,2,1,6,7 & HerCDF 14 (2,45183 37 763861		3562	FilmsRupp 1968 375 e 7 13 jars
97882_1 a GS2 19[2104 5720652682_3 1613 C 52 19[2304 13C-12	3.5.7.8 H&CDF.34 11 337995 254784785 34	30 3673	35.61	1 1 Katu ya 1963 1993 6 1 05 jeri 1
52842_3 3 CB2 18L2504 5179952842_3 1813 C52 18L2304 182-123	6.7.8 HecDF, 34.11,568546 541 M269765	м М	30.01	ן צייטאנעניי 547. אַרָּאָר ג.נסאַר ג.נסאַר

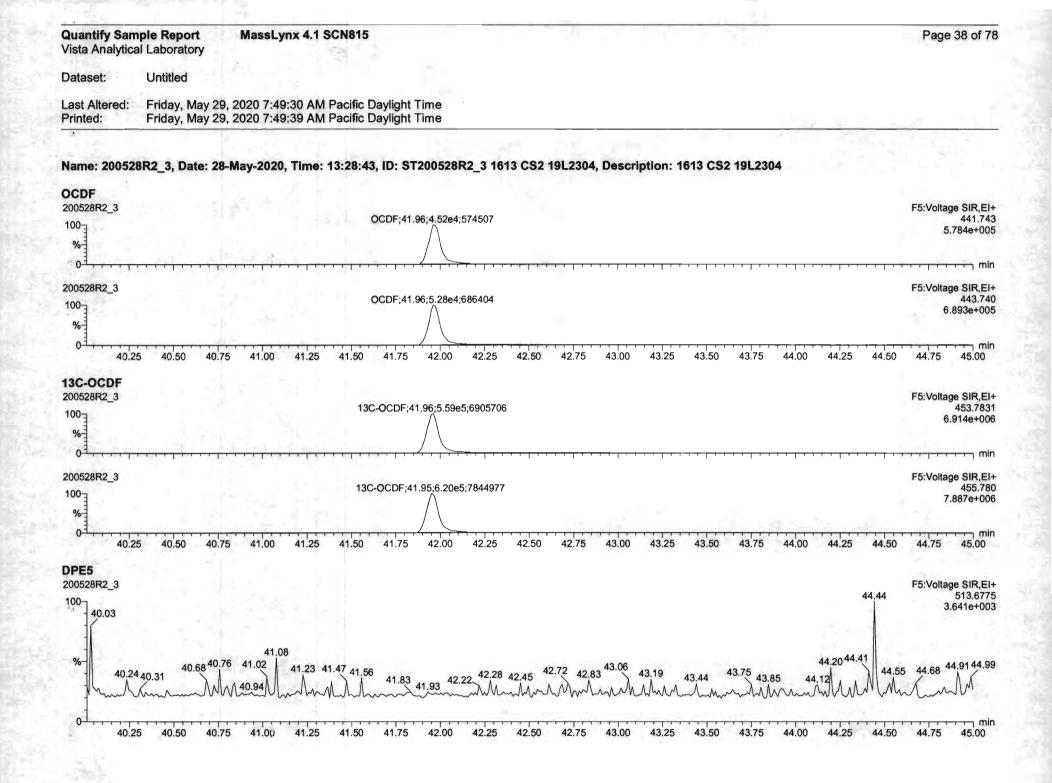
調

		BOR HURSON			
1 2.2.7.6.7000 2.4044 0.85 HO 0.8552 1.006 2.6.7 1.001 5.56 1 2.7.2.5.7.6.7000 5.564.4 0.85 HO 0.8651 1.001 3.51 1.001 3.51 1.001 3.51 1.001 3.51 1.001 3.51 1.001 1.011 1.001 3.51 1.001 1.011 1.001 1.011 1.001 3.51 1.001 1.011 1.000 1.001 1.00	142 0.9450 16.2 162 8.0461 16.2 161 2.0451 16.7 162 8.0461 16.2 164 2.0491 16.2 164 2.0491 16.2 165 6.0491 16.2 165 6.0491 16.2 165 6.0491 16.7 165 0.0491 16.7 166 10.211 1.87 167 0.0475 10.4 168 0.0475 10.4 169 0.0475 10.5 160 0.0591 10.5 160 0.0591 10.5 160 0.0591 10.4 161 0.0695 20.6 162 0.0595 20.6 163 0.0695 20.6 164 0.221 20.6 165 0.0695 20.6 166 17.22 27.2 167 0.460 4.6				
829822_1 D CR2 18,2204 \$172982280_3 1612 CR2 18,2204			34./1	12 3.7 8 9 Hirode 35 62 35110 09 563902	F 1 Skillaer GR 2 Sring N twist O
RONR2_3 15.050 TOL2304 ST200009R2_5 V615.050 TOL2304 5	Å.	34P2	M.	12.5.7.8.9+44CDF 35.62 29673.21 458821	13 volgen (41) 35 g 1 131+0
90802_1 1057194.2004.51296529682_1.9613.003.11L2304	35.54	мн энзе	51.76	130-12.3.7.8.9446004 35.61 242253.84 3631400	,90 ×0250× €1' 1995 1-9250 8
52062_1 3.053198.230434250628822_11613.052382204	be ic	*** ^**	5179 /	132-12.3.7.8.5440CT# 39.61 484431.72 7174766	f 1 autope toit. jääsi t teleet



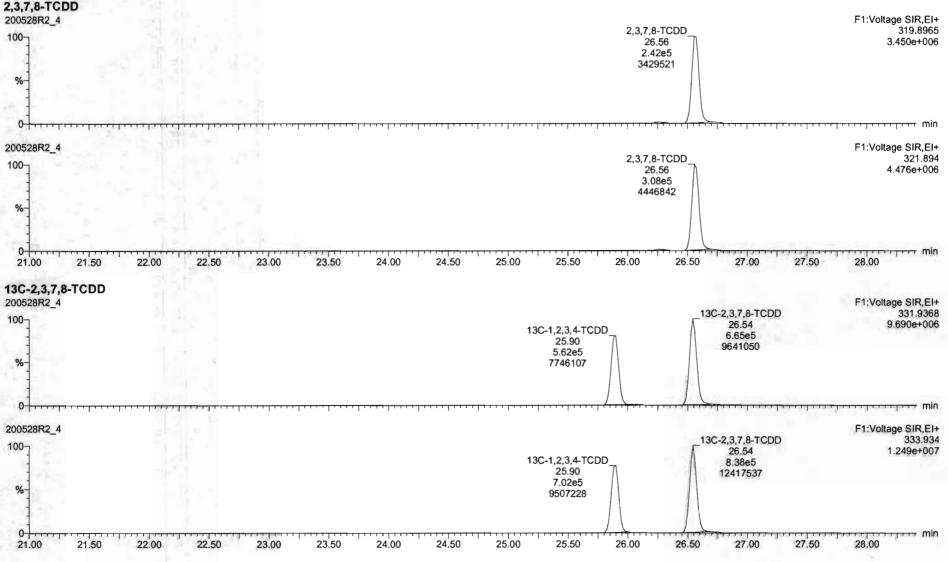
Human Desc Bai Big Merry Merr	Conc MARIC DL CON 0.06 167 0.07/6 2.0 1.02 1.07 0.0406 102 1.02 1.07 0.0406 102 1.02 1.07 0.0406 102 1.02 1.07 0.0555 107 1.02 1.06 0.0406 103 1.04 1.04 0.01/9 114 23.0 105 0.100 21.0 1.04 1.06 0.100 21.0 1.05 0.04 0.010 21.0 1.05 0.010 1.05 10.1 1.05 0.021 1.0 10.1 1.05 0.021 1.0 10.1 1.04 1.00 0.021 1.0 1.05 0.001 0.001 10.1 1.04 1.00 0.0401 10.1 1.05 0.00401 10.1 10.1 1.05 0.00401 0.0 10.1 <		
КОВАРД 3 5 СБР ТИСТКИА ЧТРОКО2042 — 3 Н. 11 – 762 ТИСРВИИ 	37.40		1 2.147.8 (Hepope 36 94.22199 (% 36286e 46256e)
SZENZ, J 3. DIST NRLEJÓN ST200826R2, > 1611) (32 1062104	3748		Г + коваре тай 400 г 1.2.3.4 7.8 5 фрор Сов 44.32947 56.347254 Андер С
00877_1 3 CB2 19: 2004 5128953082_3 1613 252 19:2184	," 36	A galaxie A second s	19C-12.3 4.7.4.9 HpCT# 1.4 voRage SH2 36.33 192258 10 3152 1974510 3.552e+0
52962_3 3 CB2 4662264 0128662682_3 1613 CB2 1662384	32.59		13C-123.5.7.8944gCCf fs ∞expgr 14 3.333 419∆ 294656.28 5.9016-0 4879228

Sel.



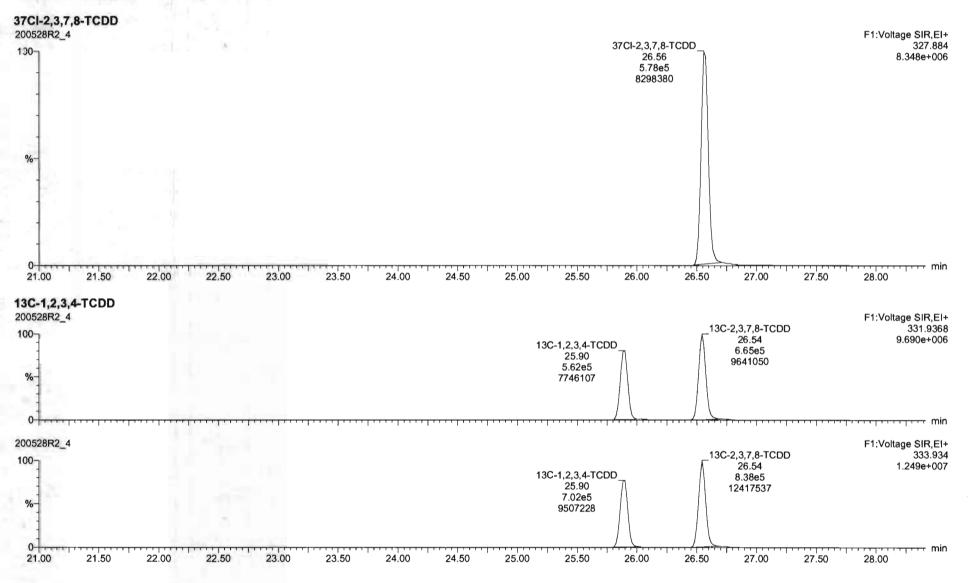
Quantify Sample Report MassLynx 4.1 SCN815 /ista Analytical Laboratory	Page 39 of 7
Dataset: Untitled	
ast Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
lame: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304	
PFK1 200528R2_3	F1:Voltage SIR,E
$\begin{array}{c} 20.92 672.57 19.39; 1.67e5; 671133 20.50 \\ 100 21.10 21.41 21.90 21.99 22.13 \\ 100 21.41 21.90 21.99 22.13 \\ 100 21.41 21.90 21.99 21.99 22.13 \\ 22.89 23.15 23.73 \\ 23.73 24.15 24.28 24.57 24.93 25.24 25.66 26.00 26.15 26.6 26.00 26.00 26.15 26.6 26.00 26.15 26.6 26.00 26.15 26.6 26.00 26.15 26.6 26.00 26.15 26.6 26.00 26.15 26.6 26.00 \text$	3 26.99 27 10 27.70 316.982
	1.646e+00
%	
0 ⁻¹	27.00 27.50 28.00
19.50 20.00 20.50 21.00 21.50 22.00 22.50 25.00 25.50 24.00 24.50 25.00 25.50 26.00 26.50	27.00 27.50 28.00
PFK2	
	F2:Voltage SIR,E
200528R2_3	20 40.0 00-4.000004 266 076
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	32.12;2.26e4;280821 366.979
29.68 20.74 20.02 30.11 20.02 20.70 21.05 31.05 21.05 31.65 21.74	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.667e+00
100 28.84;1.56e5;554561 29.16 29.30 29.57 29.68 29.74 30.02 30.11 30.46 30.50 30.66 30.79 31.05 31.30 31.42 ^{31.65} 31.71	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.667e+00
28.84;1.56e5;554561 29.16 29.30 29.57 29.68 29.74 30.02 30.11 30.46 30.50 30.66 30.79 31.05 31.30 31.42 31.65 31.71 28.58 28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 PFK3	1.667e+00 32.00 32.25 32.50
28.84;1.56e5;554561 29.16 29.30 29.57 29.68 29.74 30.02 30.11 30.46 30.50 30.66 30.79 31.05 31.30 31.42 31.65 31.71 28.58 28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 PFK3 200528R2_3 33.56 1.34e5 33.92 34.61;4.88e5;2647699 35.07:1 92e5:1568565	
28.84;1.56e5;554561 29.16 29.30 29.57 29.68 29.74 30.02 30.11 30.46 30.50 30.66 30.79 31.05 31.30 31.42 31.65 31.71 28.58 28.58 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 PFK3 200528R2_3 33.56 1.34e5 1.34e5 1.34e5 33.92 34.61;4.88e5;2647699 35.07;1.92e5;1568565	1.667e+00 32.00 32.25 32.50 F3:Voltage SIR,E
28.84;1.56e5;554561 29.16 29.30 29.57 29.68 29.74 30.02 30.11 30.46 30.50 30.66 30.79 31.05 31.30 31.42 31.65 31.71 28.58 28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 PFK3 200528R2_3 33.56 1.34e5 33.92 34.61;4.88e5;2647699 35.07:1 92e5:1568565	
28.84;1.56e5;554561 29.16 29.30 29.57 29.68 29.74 30.02 30.11 30.46 30.50 30.66 30.79 31.05 31.30 31.42 31.65 31.71 28.58 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 FK3 200528R2_3 33.56 1.34e5 1.34e5 33.92 34.61;4.88e5;2647699 35.07;1.92e5;1568565 1191760 33.92	1.667e+00 32.00 32.25 32.50 F3:Voltage SIR,E 35.68 5.74 380.976 1.075e+00
28.84;1.56e5;554561 29.16 29.30 29.57 29.68 29.74 30.02 30.11 30.46 30.50 30.66 30.79 31.05 31.30 31.42 31.65 31.71 28.58 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 FK3 200528R2_3 33.56 1.34e5 1.34e5 33.92 34.61;4.88e5;2647699 35.07;1.92e5;1568565 1191760 33.92	
28.84;1.56e5;554561 29.16 29.30 29.57 ^{29.68} 29.74 30.02 ^{30.11} 30.46 30.50 ^{30.66} 30.79 ^{31.05} ^{31.30} 31.42 ^{31.65} 31.71 ⁹ ^{28.58} ^{28.50} 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 PFK3 200528R2_3 ^{32.94;1.38e6;5789766 1.34e5 1.34e5 1.34e5 1.34e5 1.191760 33.92 34.61;4.88e5;2647699 35.07;1.92e5;1568565 1191760 34.80 35.00 35.20 35.90}	1.667e+00 32.00 32.25 32.50 F3:Voltage SIR,E 35.68 35.74 380.976 35.68 1.075e+00 5.40 35.60 35.80 36.00
$100_{4} = 28.84; 1.5665; 554561_{29.16} = 29.30_{29.57} = 29.68_{29.74} = 30.02_{30.11} = 30.46_{-30.50} = 30.66_{-30.79} = 31.05_{-31.30} = 31.42_{-31.65} = 31.71_{-30.46_{-30.50}} = 31.00_{-31.25} = 31.30_{-31.42} = 31.65_{-31.71} = 31.65_{-31.71} = 28.58_{-5.58} = 31.50_{-5.58} = $	1.667e+00 F3:Voltage SIR,E 32.00 32.25 32.50 F3:Voltage SIR,E 35.68 1.075e+00 5.40 35.60 35.80 36.00 F4:Voltage SIR,E
$\begin{array}{c} 100 \\ 100 \\ 28.84; 1.56e5; 554561 \\ 29.16 \\ 29.30 \\ 28.55 \\ 28.75 \\ 29.00 \\ 29.25 \\ 29.50 \\ 29.75 \\ 29.50 \\ 29.75 \\ 30.00 \\ 30.25 \\ 30.00 \\ 30.25 \\ 30.50 \\ 30.50 \\ 30.75 \\ 31.00 \\ 31.25 \\ 31.00 \\ 31.25 \\ 31.50 \\ 31.25 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.25 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.25 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.25 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.25 \\ 31.50 \\ 31.25 \\ 31.50 \\ 31.25 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.25 \\ 31.50 \\ 31.75 \\ 31.50 \\ 31.25 \\ 31.50 \\ 31.$	1.667e+00 32.00 32.25 32.50 F3:Voltage SIR,E 35.68 35.74 380.976 35.68 1.075e+00 5.40 35.60 35.80 36.00
$100_{4} = 28.84; 1.5665; 554561_{29.16} = 29.30_{29.57} = 29.68_{29.74} = 30.02_{30.11} = 30.46_{-30.50} = 30.66_{-30.79} = 31.05_{-31.30} = 31.42_{-31.65} = 31.71_{-30.46_{-30.50}} = 31.00_{-31.25} = 31.30_{-31.42} = 31.65_{-31.71} = 31.65_{-31.71} = 28.58_{-5.58} = 31.50_{-5.58} = $	1.667e+00 F3:Voltage SIR,E 35.68 5.40 35.60 5.40 35.60 5.40 35.60 35.80 36.00 F4:Voltage SIR,E 30.30 52 39.67 430.972 430.972
100 28.84;1:56e5;554561 29.16 29.30 29.57 29.68 29.74 30.02 30.11 30.46 30.60 30.66 30.79 31.05 31.30 31.42 31.65 31.71 % 28.58	1.667e+00 F3:Voltage SIR,E 35.68 35.74 380.976 1.075e+00 5.40 35.60 35.80 36.00 F4:Voltage SIR,E 39.39 39.52 39.67 430.972 6.668e+00
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.667e+00 F3:Voltage SIR,E 35.68 35.74 380.976 35.68 35.74 1.075e+00 F4:Voltage SIR,E 39.39 39.52 39.67 430.972 6.668e+00
100 - 28.84; 1.5665; 554561 29.16 29.30 29.57 29.68 29.74 30.02 30.11 30.46, 30.50 30.66 30.79 31.05 31.30 31.42 31.65 31.71 - 28.58 - 28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 - 28.58 - 28.50 28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 - 28.58 - 28.50 33.56 33.92 33.66 30.79 31.00 31.25 31.50 31.75 - 31.00 31.25 - 31.50 31.75 - 31.00 31.25 - 31.50 31.75 - 31.50 31.75 - 31.50 31.75 - 31.50 31.75 - 31.50 31.20 - 31.40 34.60 34.60 34.60 34.60 34.80 39.00 39.20 - 35.20 38.40 38.60 38.80 39.00 39.20 - 35.20 38.40 38.60 38.80 39.00 39.20 - 35.20 38.40 38.60 38.80 39.00 39.20 - 35.20 38.40 38.60 38.80 39.00 39.20 - 35.20 38.40 38.60 38.80 39.00 39.20 - 35.20 38.40 38.60 38.80 39.00 39.20 - 35.20 38.40 38.60 38.80 39.	1.667e+00 F3:Voltage SIR,E 32.00 32.25 32.50 F3:Voltage SIR,E 380.976 35.68 35.74 1.075e+00 F4:Voltage SIR,E 39.39 39.52 39.67 430.972 6.668e+00 F4:Voltage SIR,E 430.972 6.668e+00
100 = 28.84; 1:56e5; 554561 = 29.16 = 29.30 = 29.57 = 29.68 = 29.74 = 30.02 = 30.11 = 30.46 = 30.50 = 30.66 = 30.79 = 31.05 = 31.30 = 31.42 = 31.65 = 31.71 = 30.46 = 30.50 = 30.66 = 30.79 = 31.05 = 31.30 = 31.42 = 31.65 = 31.71 = 30.46 = 30.50 = 30.66 = 30.79 = 31.05 = 31.30 = 31.42 = 31.65 = 31.71 = 30.46 = 30.50 = 30.75 = 31.00 = 31.25 = 31.50 = 31.75 = 31.50 = 31.50 = 31.50 = 31.75 = 31.50 = 31.75 = 31.50 = 31.75 = 31.50	1.667e+00 F3:Voltage SIR,E 32.00 32.25 32.50 F3:Voltage SIR,E 380.976 35.68 35.74 1.075e+00 F4:Voltage SIR,E 39.39 39.52 39.67 430.972 6.668e+00 F4:Voltage SIR,E 39.40 39.60 39.80 40.00
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.667e+00 F3:Voltage SIR,E 32.00 32.25 32.50 F3:Voltage SIR,E 35.68 74 1.075e+00 F4:Voltage SIR,E 39.39 39.52 39.67 430.972 6.668e+00 F4:Voltage SIR,E 39.40 39.60 39.80 40.00 F5:Voltage SIR,E 44.17:3 33e4/339264 454.972
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.667e+00 F3:Voltage SIR,E 32.00 32.25 32.50 F3:Voltage SIR,E 35.68 1.075e+00 5.40 35.60 35.80 36.00 F4:Voltage SIR,E 39.39 39.52 39.67 430.977 6.668e+00 F4:Voltage SIR,E 39.40 39.60 39.80 40.00 F5:Voltage SIR,E 454.977

Vista Analytical La	e Report MassLynx 4.1 SCN815 aboratory	Page 40 of 78
Dataset: U	Intitled	
Last Altered: F Printed: F	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	



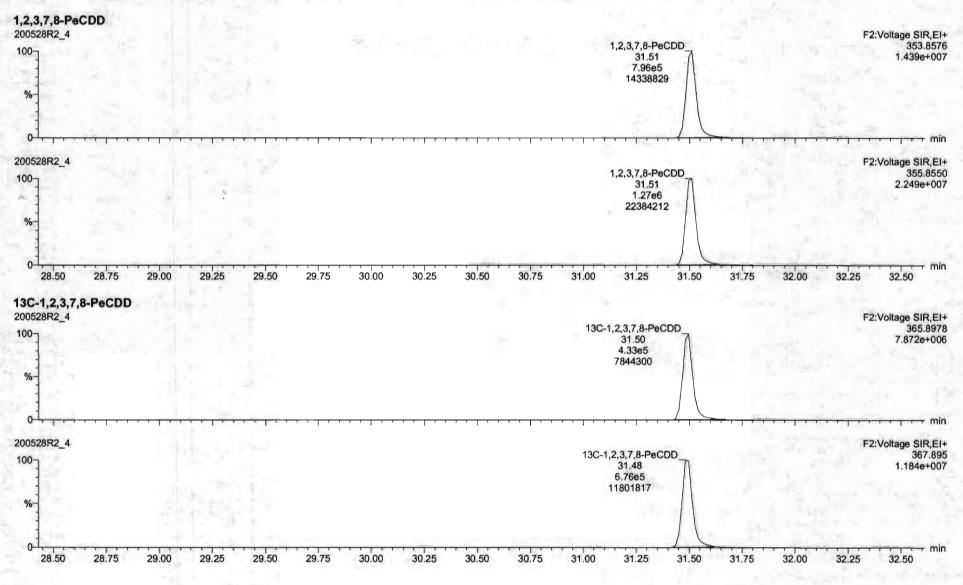
Quantify San Vista Analytica		Page 41 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

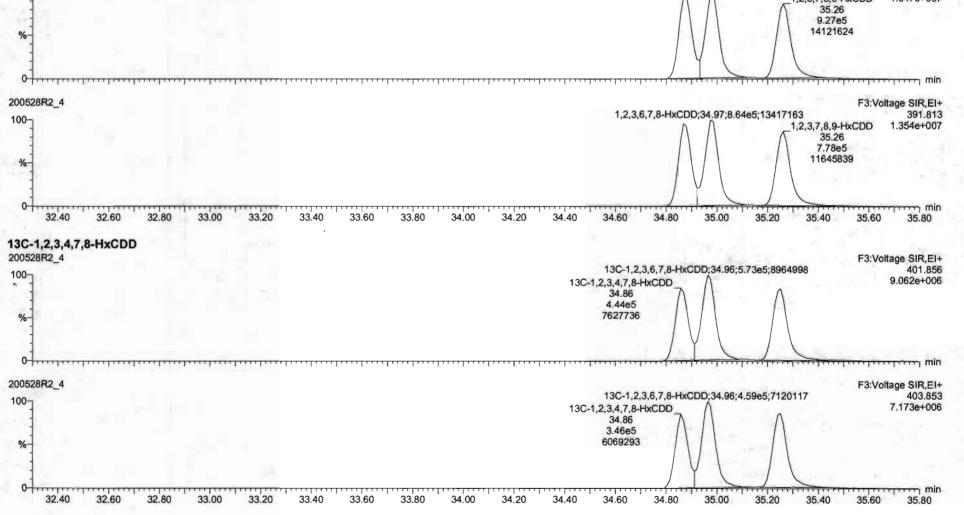


Quantify San Vista Analytica		Page 42 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306



Ista Analytical	Laboratory Mass'_ynx 4.1 SCN815	Page 43 of 78
Dataset:	Untitled	
ast Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	



ame Ring RA my RRF webvor RT RRT Conc WRec OL FAIPC	4 STERS2882.449.1 CE4 191203.1018.0051.1912306	A CARLES AND A CARLES
3/5/000 550et 0/8 NO 0.8863 1000 2656 1001 412 160 0126 412		
2.17 SPECCO 2.06eA 0.63 NO 0.6051 1.000 31.51 1.000 205 102 0.0537 205		19 F
23,4,7,8,4%CDD 16/e6 123 NO 1.0334 1.000 24.66 1.001 204 162 0.115 .264 23.6.7,8,4%CDD 1.92eE 1.22 NO 0.6927 1.030 24.99 1.001 209 104 0.111 209		지수가는 것은
2.3.7.8.9-HoCDO 1.70ee 1.20 NO 0.68869 1.000 24.25 1.500 210 104 0.113 210		
2.1.4.6.7.6.HpCDD 1.25x6 1.02 MC 0.6839 1.000 36.50 1.000 211 101 2.218 211		
0000 - 2 45ef 0.27 NO 0.9136 1.000 41.77 1.000 307 99.4 0.102 307		
3.1.6.1004 6.52e5 0.76 NO 0.7510 1.000 25.68 1.001 47.9 107 0.123 42.6		Section to the section of the sectio
2.3.7.5.FeC09 2.94eef 1.54 NO 0.9925 1.000 201 1.000 203 101 0.118 203 1.4.7.5.FeC09 3.54eef 1.54 NO 0.9348 1.000 31.21 1.000 204 182 - 0.109 204		F. F. F. Mar
2.5.4 / 8-mxC0# 1.67e6 1.16 NO 0.8845 1.000 33.99 1.000 208 104 0.221 208	승 전화 여자 승규는 아파 아파 가지 않는 것 같아.	12.00 N 340
2 3.6.7 8-HeCDF 2 16e6 1 18 NO 0 8012 1 000 3 12 1001 206 103 0 205 706		
1147.754xCDF 206et 119 NO 0.9341 1000 3671 1001 207 103 0.219 207		1. S. C. S.
2.3.7.8.9-HxtDF 1.60HE 1.20 NO 0.8701 1.000 25.62 1.501 203 154 0.312 205		1 at 11
2.3.4.6.7.5.Hp20# 1.43e6 0.99 NO 0.6738 1.300 37.35 1.000 213 106 0.213 213	and the second	
23.47.85 HpCDF 113e6 0.98 NO 1.0128 1.000 39.33 (.000 214 107 0.227 214	· · · · · · · · · · · · · · · · · · ·	1994 - C
0007 2 5446 0.87 NO 0.2516 1000 41 96 1000 402 150 0 171 402 1 9CU.17.6.1000 1566 0.79 NO 11560 1586 2614 1025 03 101 0.164		
36GU17375060 11564 079 NO 11561 1886 2654 1025 103 101 0141	 A second sec second second sec	A REAL PROPERTY OF A REAL PROPER
12C-121478-Hx020 78Hef 128 ND 07750 1000 5486 1014 103 101 10172	in a day in the second s	
13C-12.3678-HoCED 101eF 125 NO 101e7 1000 3456 1017 104 164 0131	and the second	
	and the second	F3 (włac
4.9 4.90.2 x06 0120/62307 2 - 1011 CE3 4H 2306		
	4.2.1.4.7 See: 50.1.5.8772771763 12910716 14.97 39.76	13
	\wedge \wedge	
12 4 4 196,2309 51200028952 4 3513 CD4 596,2300		i a settag
 Physical developments, in proceedings, 2010; 2010; 	19C-5.2.2.4.7 (8-44)/CR0 10-800-643/CR0 10-76277/95 34.96	9.0
	12-12-1 Primary and a start of the start of	
en neuenne, et is er	<u>مى يەرىپ بېلىمى بىلىمى بىلىمى بىلىمىتى ، بىلىمىتى بىلىكىنى بىلىكى بىلىكى بىلىكى بىلىمى بىلىمى بىلىمى بىلىمىكى بىلىمىت</u>	And the second se
2.4		Fillotop
a 1842306 STERRERRE 4 1613 CS4 (842306		
	13C-12 3 4 V 844 (2010) 3 4 86 54 58 37 9+ 606 (203) 34 96 35 25	2.3

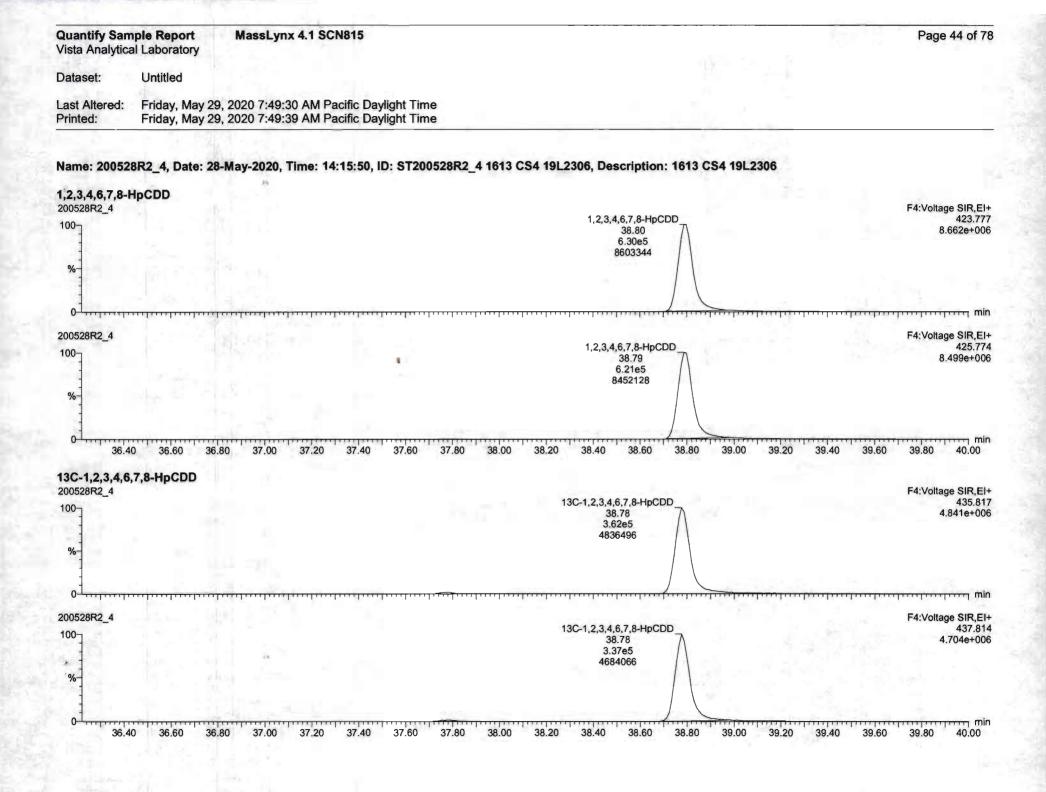
· Fre Edi Vew Dight, Programy Watcher Help 최 한 미국및 400대 - 승규가 X 미지네 2000 중 800 명 양	
Nome Fedge FAA may FBB waters HT BHT Conc SWInc EL EAHFUL 1 2.3.7.6.1003 9.5001 0.8.6 0.000 24.56 1.001 41.2 10.0 0.13.4 -1.7 2 1.2.7.7.6.1000 2.0006 0.8.1 1.000 31.51 1.000 205.101 2.06.07 2.07 3 0.02.7.7.6.1000 1.000 31.51 1.000 205.101 2.06.07 2.07 4 1.2.2.5.7.6.1000 1.9206 1.22 1.000 2.4.56 1.001 2.06.1 0.02 1.15 2.000 5 1.2.7.7.5.4.44000 1.900 1.900 34.56 1.001 206.102 1.15 2.09 6 1.2.7.7.5.4.44000 1.900 1.900 34.56 1.000 2.10 1.000 3.65 1.000 2.01 1.00 1.00 3.00 5 1.2.7.7.5.4.44000 1.2846 1.900 1.900 34.56	
D 2 % 1 Sufficient - 1 Vel 0 % 4 Vit 0 1 kit 0 1 kit <th0 1="" kit<="" th=""> 0 1 kit <th0 1<="" td=""><td></td></th0></th0>	
15 1.2.3.4.7.2.5.400000 1.41e6 0.99 NO 0.8754 1.000 37.59 1.000 27.31 100 0.2.131 0.71 16 1.2.3.4.7.2.6.40000 1.386 0.99 NO 0.8754 1.000 37.59 1.000 27.31 100 0.2.131 0.71 17 C.LOP 2.3640 0.00 1.0.121 1.000 30.55 1.000 27.44 107 2.2.27 27.2 16 1.10.2.3.7.5.7000 1.5864 0.07 2.3.64 1.000 24.54 1.000 24.54 1.000 24.54 1.000 24.54 1.000 24.54 1.000 24.54 1.000 24.54 1.000 24.54 1.000 24.54 1.000 24.54 1.001 1.011 1.012 1.114 1.000 24.54 1.001 1.021 1.012 1.117 1.001 24.50 1.014 1.02 1.117 1.001 24.56 1.011 1.02 1.117 <th1.01< th=""> 1.012</th1.01<>	
0052660_1 #77_554_TB_2006_TT2006_T0424_HELE_554_0B_2558 #4	F // transport tall (2) 12.2 6 7 an Hanclari, 12 19 10 671 56 88 16287155 35 26 12.3 6 7 an Hanclari, 12 19 10 671 56 88 16287155 35 26 12.3 6 7 an Hanclari, 12 19 10 671 56 88 16287155 35 26
5050582 4 H15 C54 (BL2) 865 312052582 4 1615 C54 19L2 for 66	P3 webade 90% Bits 501 011 1 2 16 7 8 +9/CD0 3+ 97 863722 10 13417160 36 96
19452012_1 113 CD4 1942306 ST00652946_4 1613 CB4 1962306 00 19	F2 Holtuse SITE 1- 401351 9 botte-exit 9 botte-exit
9052042_3 6151054_10L7206_6110062042_41613105414.2204 90 4	10c-1216/7#+#C00-1186.409/5984.712017_3525
12.78 32.80 32.90 33.00 33.10 33.21 33.22 33.46 33.50 39.80 33.71 23.00 23.00 34.00 ustom Reporting: Select report: to penerate	0 34 10 34 20 34 20 34 40 34 50 34 60 34 72 34 80 14 90 21 110 35 70 35 70 35 80 25 50 25 50 35 70 35 80 35 00 36 00 54 18 35 20 1 20032882 4 CAP NUM

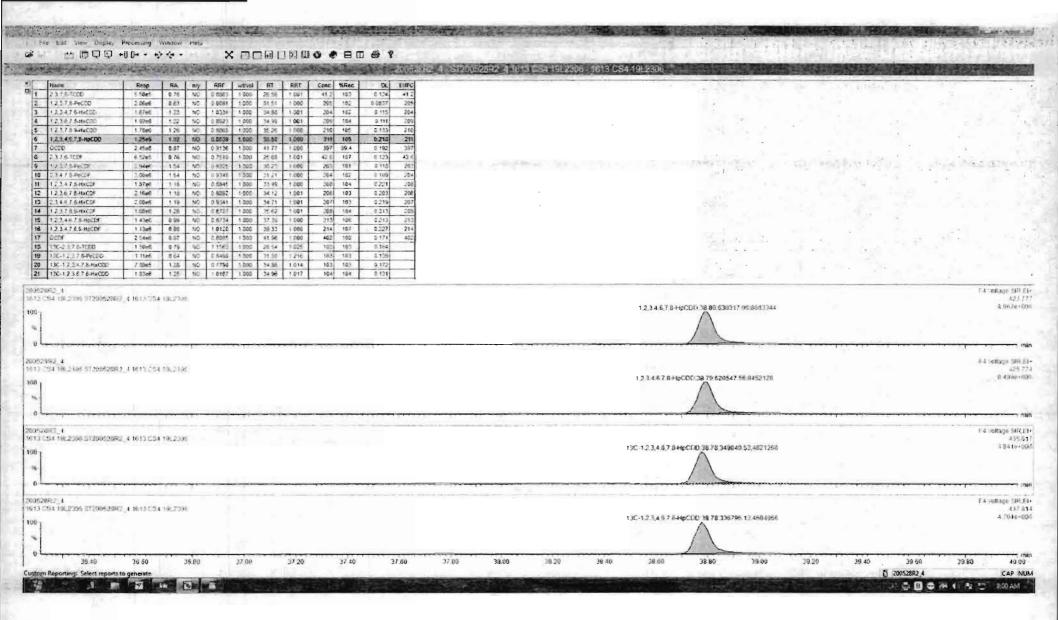
語

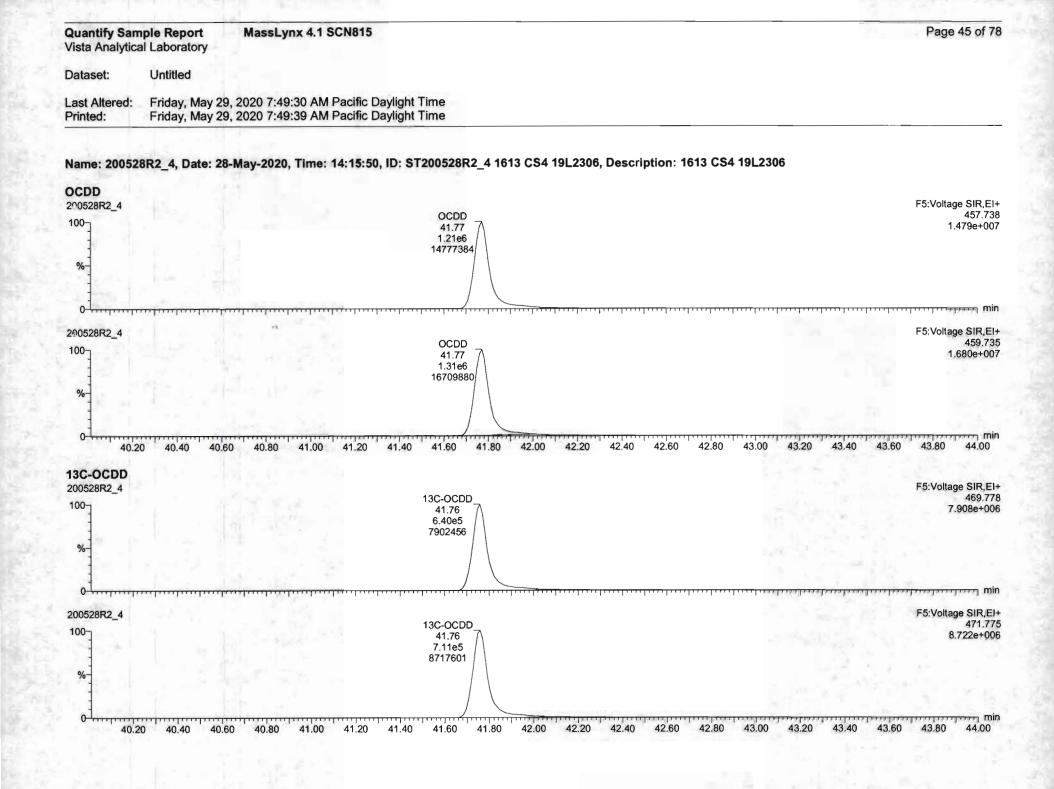
10.00

(Fife Edit View Digits, Processing Window Help 2 (* 回口口 +10+ · · · · · · · · · · · · · · · · · · ·	
	d . 5120ber882 4 (614) 554 19(20) 0 (613) (54 19(20))
Home Beap BA mp BRF wetvel 67 BRF Core Marc Dia Early 1 2:3 7.5 TeleD 1 98ee 0.76 NO 0.886 1.00 29.56 1.01 47.3 1.92 0.11× 4.1 2 2 1 2.2.7.5 PecCDD 2.96ef 0.41 VC 0.0881 1.00 29.56 1.001 49.5 1.92 0.1× 4.1 2 4 1 7.2.7.7 PecCDD 1.92ef 1.02 NO 0.8981 1.006 3.46 1.001 3.06 1.60 3.66 1.001 3.06 1.62 0.11 2.24 4 1.7.2.6.7.5.9MecCDD 1.92ef 1.02 NO 0.8688 1.000 2.52 1.000 2.66 0.133 2.10 5 1.2.3.7.5.9MecCDD 1.76ef 1.20 NO 0.6750 1.000 2.57 1.000 3.97 9.6 0.133 2.10 7 0CDD 2.4fit	
20022082_1 1510_C54_1K_2546_S120052547_4_161154_1K_2500	34.88 34.99 12,3,7,8,9+66000,36,26,927172,43,14121624 F3 16474-007
200523942_4 1013_0142_4 101_2306_0126062983_4 1011_054 101_0145 100 9-	H 87 34 87 1 2.3,7 8.9 HIGDO 35.26 770950 94 115.38139
70052832_4 1611 CS4 19L2306 ST20052882_4 1613 CD4 19L2336 100 16	130-1.2.3.7.8.9+HcC00 35.25 34.86 503584.78 9 34.86 7530231
20052882 4 6433 CS4 196 2006 51720652897 4 1613 C34 74C2306 100 16	34 86 34.96 13C-1.2.3.7,8.944xC0D135.26:408626.91.6088027 7.3734+606
0 32 70 32 80 32 90 33 10 32 20 33 30 33 40 33 70 39 80 32 90 36 00 Custom Reporting: Select reports to generate	2410 3420 3439 3449 3450 3450 3450 3470 2468 3490 5506 3510 3520 3530 7549 3550 3560 3576 7580 3590 3590 3590 2410 7520 日 2005282,4 CAP HUM 公会日日 日 10 10 10 10 10 10 10 10 10 10 10 10 10

N.S. S. S. L. C. J.





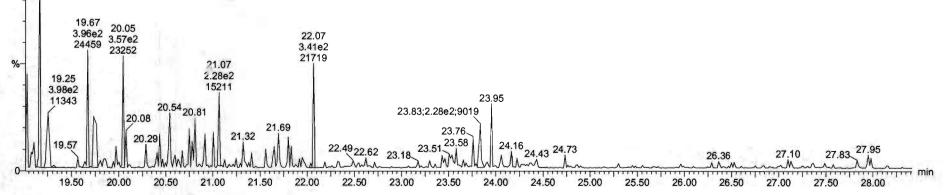


	A STATE OF A	anna 2034 19L2303, 1013 054 19L2306
Haine	Resp RA my RRF wilvel RT RRT Come Scree DL SHPC	
1 2376-1000 2 12375-0-000	5 50e5 0.76 NO 0.9883 1.000 20 56 1.001 41.2 103 0.124 41.2 2.06e6 0.63 NO 0.9051 1.000 31.51 1.006 205 102 0.0637 205	
2 12315Pecco 2 123475HkG2	2 2666 0 63 1x0 0 9951 1 000 31 51 1 000 205 102 0 6537 205 1 67x6 1 22 1x0 10234 1 000 34 55 1 001 264 102 0 115 264	
4 1,2,3 # 7 3-H+C00	1 92+6 1.22 NO 0.8923 1.000 34.99 1.001 209 104 0.111 209	
5 12.37 85-HxC00	170e5 1.20 NO 0.8869 1.000 15.25 1.000 210 105 0.133 210	
6 1234175 HELDE	1.25m6 1.02 1VO 0.8639 1.010 % 50 4.00 211 105 8.418 211	
7 0000 6 2376.704	2 4566 6.87 NO 0.5136 1.000 41.77 1.000 307 96.4 0.192 307 6 5265 6 76 NO 0.7510 1.000 24.65 1.001 42.4 107 0.123 42.4	the second se
9 1237 SPects	2.94ef 1.54 NO 0.8905 1000 39.25 1000 203 181 5.118 202	
10 2.1.4.7 8-76007	1 00el 154 10 0.934/ 1.010 2121 1.000 204 102 0.100 204	
11 1.2.2.4 7 8-msc04	1.87ee 1.16 NO 0.8545 1.000 13.09 1.000 203 104 0.221 208	
12 12367846CDF	2 16e6 1 10 NO 0 8892 4 000 34 12 1 001 200 163 0.203 200	
13 0.94876-HxC04 14 1.23785-HxC04	I 00w6 1.19 NO 0.5341 1.000 34.71 1.001 207 163 2.219 207 1.40w6 1.20 NO 0.82707 1.000 11.62 1.001 208 104 0.313 105	
15 1234678 HpCIN	1 43e0 0.99 1e0 0.8734 1.000 37.15 1.000 213 106 0.213 213	
16 1.2.3.4.7 8.9.MOCDF	1 13e6 0.92 100 10126 1000 30 33 000 214 107 0.227 214	
17 OCHF	2 54m8 0 57 NO 0.5085 1 000 41 96 1 000 402 100 0 171 402	
18 13C-2.3 7 //-7COD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
10 130-12378-PeCD0 20 130-123478-PeCD0	1 11e6 9 84 1v0 0 8450 1 000 11 56 1 216 1 03 103 0 138 7 88e5 1.28 1v0 0.7790 1 000 34.96 1 014 103 101 0 172	
20 13C-123473-MXCDU 21 12C-123575-HXCDD	103e8 125 NO 1.0187 1000 34.96 1.017 104 104 0.121	
1	OCD0(41 77)1143053.00(14696421	1.479a
	OCDD;4177;114:0654.01;14:0664.21	1.479e
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1.479e FÉ (#\$##)
6 0 252982 4 11 CS4 19,2306 ST2004208	RJ 4 1613 C34 18L2306	
4 0 M2592 4 11 CS4 19,2306 ST206420		FÉ lograge 50 45
029R2 4 TI CSA 10(2306 ST2064208	RJ 4 1613 C34 18L2306	e (gaza: 24 34
60982 4 1 154 10,2306 512006208	RJ 4 1613 C34 18L2306	F5 (MRA)5 5
60982 4 1 254 10,2306 572066208	R3_4 1613_034 18L2306 GCDD: 41 77, 1310358 69,18706869	FÉ lograge 50 45
4 452582 4 11 254 10,2306 512064208 4 4 4 4 4 520862 4 12 1054 10,2306 51206538	R3_4 1613_034 18L2306 GCDD: 41 77, 1310358 69,18706869	F5 vetage 50 45 1 Stave
4 452582 4 11 254 10,2306 512064208 4 4 4 4 4 520862 4 12 1054 10,2306 51206538	R3_4 1613_54 18,2506 DCDD.41 77,1310359 50,18706980	F5 legage 50 35 1 SBD 4 5 Velkege 50 45 Velkege 50 45 Velkege 50
4 5 5 5 5 5 5 5 5 5 5 5 5 5	R3_4 1613_54 18,2506 DCDD.41 77,1310359 50,18706980	F2 (exage 5 A 1580 1580 1580 1580 1580 1580 1580 1580
40582 4 11 CS4 VOL2306 ST2004208 4 1 1 CS4 VOL2306 ST2004284 11 CS4 VOL2306 ST2004284	R3_4 1613_54 18,2506 DCDD.41 77,1310359 50,18706980	e igates 24 bi toos toos toos toos toos toos toos too
100942 4 11 CS4 10L2306 512064209 4 4 10 CS4 10L2306 51206339	R3_4 1613_54 18,2506 DCDD.41 77,1310359 50,18706980	F2 (exage 5 A 1580 1580 1580 1580 1580 1580 1580 1580
4 500982 4 11 CS4 10L2304 ST2004209 4 4 4 500972 4 11 CS4 10L2304 ST2004209 12 CS4 10L2304 ST2004209 12 CS4 10L2304 ST2004209 12 CS4 10L2304 ST2004209	R3_4 1913_C34 19L2506 R2 4 1913_C54 19L2506 13C-OCDD.41 76,659749 38 7902456	45 (954) 45 (954) 1500 45 (954) 45 (954) 46 7 995 46 7 995
4 9 9 9 9 9 9 9 9 9 9 9 9 9	R3 _4 1613 _ 54 18,2306 CCOD.41 77,1310359 50,18706980 R2 + 1613 _ 554 19L2306 T3C OCDD.41 76 639749 38 7992456 AC 4 1613 C54 19L2306	45 (estage 5 45 1500 45 vetage 5 47 7905 47 75 vetage 5 47 5 vetage 5 47 47 47 47 47 47 47 47 47 47 47 47 47
4 9 9 9 9 9 9 9 9 9 9 9 9 9	R3_4 1913_C34 19L2506 R2 4 1913_C54 19L2506 13C-OCDD.41 76,659749 38 7902456	F5 (ettage 5 55 1500 75 veltage 5 7 905
4 0 052982 4	R3 _4 1613 _ 54 18,2306 CCOD.41 77,1310359 50,18706980 R2 + 1613 _ 554 19L2306 T3C OCDD.41 76 639749 38 7992456 AC 4 1613 C54 19L2306	45 (estage 5 48 1999 7 995 7 5 (estage 5 7 995 7 5 (estage 5 7 5 (estage 5))
60542 4 10.534 (0.2366 51.26652) 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	R3_4 1613_054 18L2306 CCOD.41 77_1310359 50,18706980 CCOD.41 77_1310359 50,18706980 13C OCDD.41 76 639749 38 7992456 AC 4 1613 054 19L2306	F5.vetage 5 4 1930 7 995 7 5.vetage 5 7 5.vetage 5 4
4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	R3_4 1613_054 18L2306 CCOD.41 77_1310359 50,18706980 CCOD.41 77_1310359 50,18706980 13C OCDD.41 76 639749 38 7992456 AC 4 1613 054 19L2306	FÉ (eKap) 150 X5 veltage 750

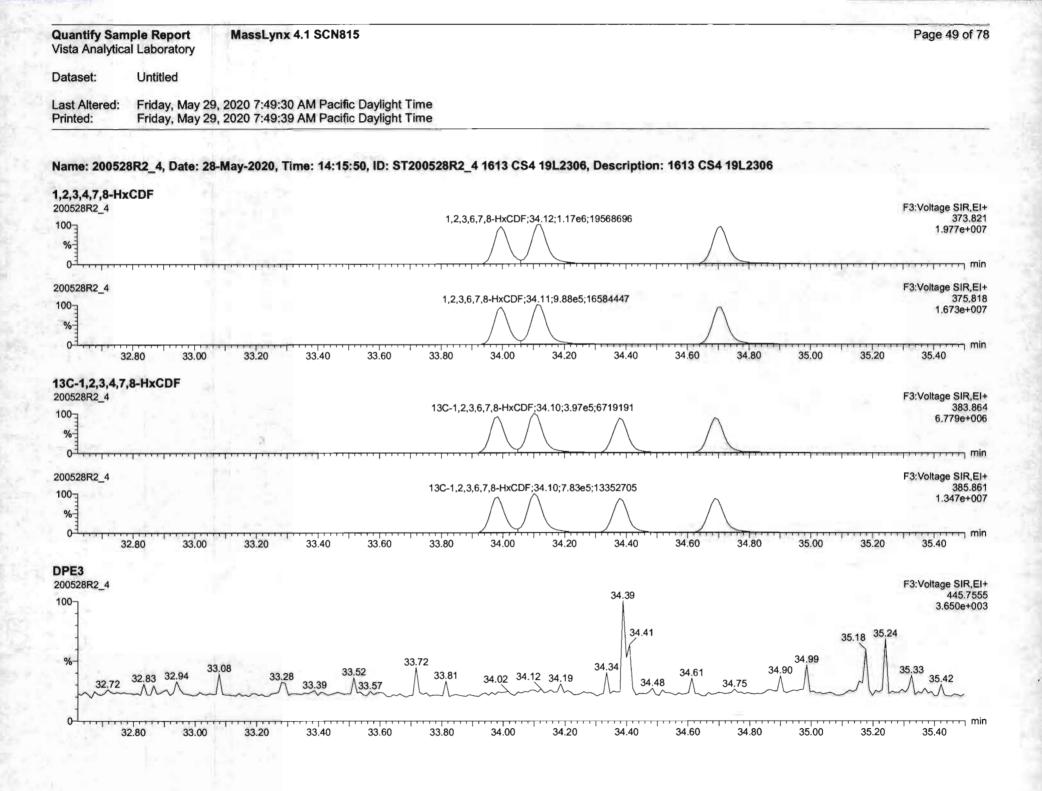
10

ista Analytica	al Laboratory	MassLyn	x 4.1 SCN81	5											Page 46 of 7
ataset:	Untitled														
ast Altered: rinted:	Friday, May 2 Friday, May 2	9, 2020 7:49: 9, 2020 7:49:	30 AM.Pacific 39 AM Pacific	c Daylight T c Daylight T	Time Time										
		.,												-	
ame: 200528	8R2_4, Date: 2	8-May-2020,	Time: 14:15:	50, ID: ST	200528R2	_4 1613 C	S4 19L23	06, Des	scription:	1613 CS	4 19L23	06			
,3,7,8-TCDF														12	ter di
00528R2_4									2.3.7.8	-TCDF					F1:Voltage SIR,E 303.901
00 %									25 2.8	.68 2e5 9227					3.950e+00
0 ¹				.1							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			بتبابتياه	
00528R2_4 00-3										-TCDF					F1:Voltage SIR,E 305.8 5.312e+0
%									3.7	.68 0e5 6069					5.3120+0
0 ¹ 100	50 20.00 2	20.50 21.00	21.50 2	2.00 22.5	50 23.00) 23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00
00 0 0 7 0 T		20.50 21.00	21.00	LE.OU LE.	20.00	20.00	21.00								
		21.00	11.00							7005					F1:Voltage SIR,E
00528R2_4		21.00	21.00			;24.22;8.42e			13C-2,3,7,8 25.66	5 A					F1:Voltage SIR,E 315.94
3C-2,3,7,8-T 00528R2_4		21.00	21.00						13C-2,3,7,8	5	_				F1:Voltage SIR,E 315.94 1.189e+00
00528R2_4 00 % 0									13C-2,3,7,8 25.66 8.92e	5					F1:Voltage SIR,E 315.94 1.189e+00
00528R2_4				13C-1	1,2,3,4-TCDF		5;9870152		13C-2,3,7,8 25.66 8.92e 118051 13C-2,3,7,8	-TCDF_					F1:Voltage SIR,E 315.94 1.189e+00 m F1:Voltage SIR,E 317.9
00528R2_4 % 00528R2_4				13C-1	1,2,3,4-TCDF	;24.22;8.42e	5;9870152		13C-2,3,7,8 25.66 8.92e 118051	-TCDF					F1:Voltage SIR,E 315.94 1.189e+00 m F1:Voltage SIR,E 317.93
00528R2_4 00 0 0 0 0 0 0 0 0 0 0 0 0	CDF			13C-1	1,2,3,4-TCDF , 2,3,4-TCDF;2	;24.22;8.42e 	5;9870152	24.50	13C-2,3,7,8 25.66 8.92e 118051 118051 118051 118051 118051 118051 118051 11560	-TCDF	26.00	26.50	,, , 27.00		F1:Voltage SIR,E 315.94 1.189e+00
00528R2_4 00 0 0 0 0 0 0 0 0 0 0 19.5	CDF			13C-1	1,2,3,4-TCDF , 2,3,4-TCDF;2	;24.22;8.42e 	5;9870152	<u>.</u>	13C-2,3,7,8 25.66 8.92e 118051 13C-2,3,7,8 25.65 1.15e 153218	-TCDF 55 55 55	 	26.50	,, 27.00		F1:Voltage SIR,E 315.94 1.189e+0
00528R2_4 00 00528R2_4 00 00528R2_4 00 00528R2_4 00528R2_4 00528R2_4 00528R2_4 00 19.16 00528R2_4	CDF	20.92		13C-1	1,2,3,4-TCDF , 2,3,4-TCDF;2	;24.22;8.42e 	5;9870152	<u>.</u>	13C-2,3,7,8 25.66 8.92e 118051 13C-2,3,7,8 25.65 1.15e 153218	-TCDF 55 55 55	 	26.50	,, , 27.00		F1:Voltage SIR,E 315.94 1.189e+0
00528R2_4 00 00528R2_4 00 00528R2_4 00 00 00 19.5 PE1 00528R2_4 00 00 19.5	CDF 	20.92 2.54e2 16101		13C-1	1,2,3,4-TCDF , 2,3,4-TCDF;2	;24.22;8.42e 	5;9870152	<u>.</u>	13C-2,3,7,8 25.66 8.92e 118051 13C-2,3,7,8 25.65 1.15e 153218	-TCDF 55 55 55	 	26.50			F1:Voltage SIR,E 315.94 1.189e+0
00528R2_4 00 0 0 0 0 0 0 0 0 0 0 0 0	CDF 50 20.00 2 20.05 3.17e2 21140 25 20.20.2	20.92 2.54e2 16101 54	21.69 4.13e2 11774	13C-1	1,2,3,4-TCDF , 2,3,4-TCDF;2	;24.22;8.42e 24.21;1.06e6; 23.50	5;9870152 ;12877444 ;12877444 24.00	<u>.</u>	13C-2,3,7,8 25.66 8.92e 118051 13C-2,3,7,8 25.65 1.15e 153218	-TCDF 55 55 55	26.00	26.50			F1:Voltage SIR,E 315.94 1.189e+0
00528R2_4 00 00528R2_4 00 00528R2_4 00 00 00 00 19.5 00 00 19.5 00 00 19.5 00 00 19.5 00 00 00 00 00 00 00 00 00 0	CDF 20.05 3.17e2 21140 25 25 26 2 84'	20.92 2.54e2 16101 54 12 20.75	21.69 4.13e2	13C-1 13C-1,2 13C-1,2 21.95 2.56e2	1,2,3,4-TCDF 2,3,4-TCDF;2 50 23.00	;24.22;8.42e 24.21;1.06e6; 23.50	5;9870152	24.50	13C-2,3,7,8 25.66 8.92e 118051 13C-2,3,7,8 25.65 1.15e 153218	-TCDF 55 55 55	26.00	26.50	27.00		F1:Voltage SIR,E 315.94 1.189e+0

Juantify Sam /ista Analytica	ple Report MassLynx 4.1 SCN815 I Laboratory	Page 47 of 78
)ataset:	Untitled	
ast Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
lame: 200528	R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306	
st Func. Pen		
00528R2_4 10019.25	20.89	F1:Voltage SIR,EI+ 339.860 2.428e+004
%1 0	20.95 21.33 22.55 20.84 20.95 21.33 23.76	27.85 ^{27.98}
00528R2_4	20.02	F1:Voltage SIR,EI+ 341.857
19.25	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2.296e+004
	57 22.62 23.36 23.76 23.95 24.16 24.85 25.14 25.71 26.09 26.41 26.72 27.02 27.23 MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	27.98 27.83 28.15 50 28.00 min
PE6		
00528R2_4 19.16 100 6.85e2		F1:Voltage SIR,EI+ 409.7974 4.454e+004



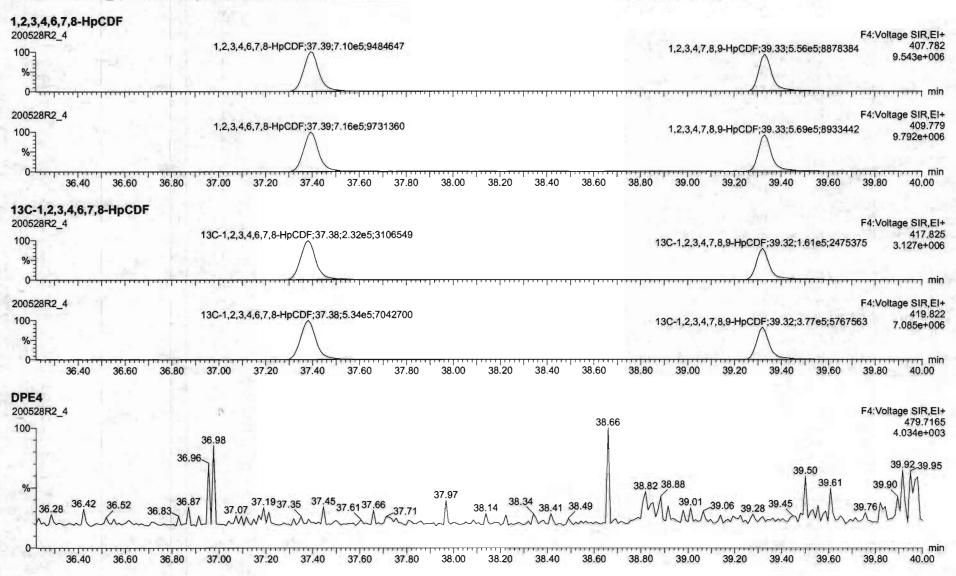
	nple Report al Laboratory	MassLynx 4.1	I SCN815						Page 48 of
Dataset:	Untitled								
ast Altered: Printed:			M Pacific Daylight Tim M Pacific Daylight Tim						
								11.12	7.5.8
lame: 20052	8R2_4, Date: 28	-May-2020, Time	e: 14:15:50, ID: ST200	528R2_4 1613 CS4 1	19L2306, Descriptio	on: 1613 CS	4 19L2306		
,2,3,7,8-PeC	DF								F2:Voltage SIR,
100- %-			1,2,3,7,8-Pe0	CDF;30.23;1.78e6;3069232	31.21 1.82e6				339. 3.343e+
01, , , , , , ,					33275638	1			
00528R2_4									F2:Voltage SIR
100 %			1,2,3,7,8- Pe C	CDF;30.23;1.16e6;1976629	0 2,3,4,7,8-PeCl 31.21 1.18e6 21410912				341. 2.151e+
0 ¹ ,, 28.50	28.75 29.00	29.25 29.	.50 29.75 30.00	30.25 30.50	30.75 31.00	31.25	31.50 31.	75 32.00	32.25 32.50
3C-1,2,3,7,8 00528R2_4	PeCDF			100 1 0 0 7 0 5-0	CDF 13C-2,3,4,7,8-PeCE)E			F2:Voltage SIR 351.
00				13C-1,2,3,7,8-Pec 30.21 1.00e6	31.19 9.68e5	$\overline{\Lambda}$			1.795e+
%		***		17301448	17850238	//			
		der in all						1. A	F2:Voltage SIR
00528R2_4					CDF 13C-2,3,4,7,8-PeCD 31.19	ЭF Л			353. 1.099e+
Ser See				/ \ 6.22e5	6.03e5	\bigwedge			
100-	28.75 29.00	29.25 29.	.50 29.75 30.00			31.25	31.50 31	.75 32.00	32.25 32.50
0 ¹	28.75 29.00	29.25 29.	50 29.75 30.00	6.22e5 10658863	6.03e5 10924263	31.25	31.50 31	75 32.00	
000 000 28.50 00528R2_4 200528R2_4 20 62	1	29.25 29.	50 29.75 30.00	6.22e5 10658863	6.03e5 10924263 30.75 31.00	31.25	31.50 31.	.75 32.00	32.25 32.50 F2:Voltage SIR 409.7
00 0 28.50 0 0 0 28.61 100 28.61 100 28.61 100 28.61 100 28.61		29.25 29.		6.22e5 10658863 30.25 30.50	6.03e5 10924263 30.75 31.00	9 24 45			32.25 32.50 F2:Voltage SIR
00 28.50 DPE2 100 28.61 100 28.61	1 28.86 28.96 28.64 M	29.25 29.		6.22e5 10658863	6.03e5 10924263 30.75 31.00	9 24 45	31.50 31. 31.50 31. 31.56 3' 31.59 31.59		32.25 32.50 F2:Voltage SIR 409.7
00 % 028.50 DPE2 28.61 28.61 28.61 28.61 28.61	1 28.86 28.96 28.64 M	0.09		6.22e5 10658863 30.25 30.50	6.03e5 10924263 30.75 31.00	9 24 45			32.25 32.50 F2:Voltage SIR 409.7 1.747e+

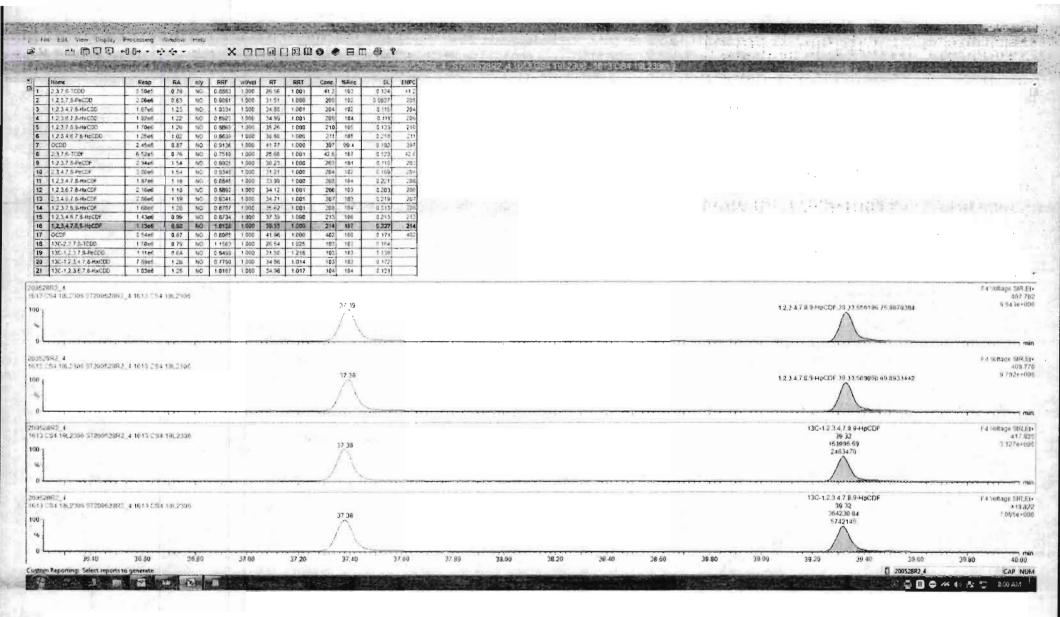


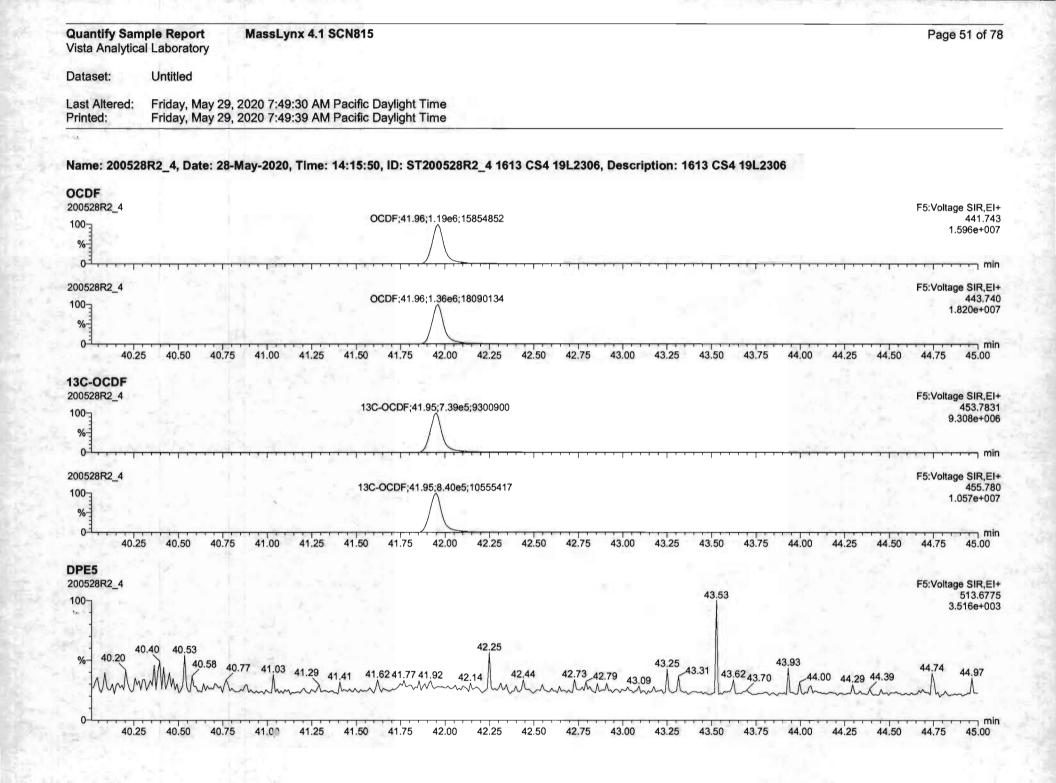
Home Resp. RA ney RRV webvol RV RRV Conc. M/Resp. 2.3.75_1CDD 5.56x5 0.76 1/02 0.28X2 1.000 297.95 1.000 47.2 102	DE FRIPC 0.124 -11 -	GS4 1962306 / 1613 GS4 1962306		副約4月1日的 目的
1.2.3.7.3.4%cD0 2.06e6 0.6.3 NO 0.9081 1.000 31.5 1.000 2.051 102 1.2.3.4.7.3.4%cD0 1.67e6 1.22 NO 1.022 1.000 2.36.7 2.46.7 3.46.7 1.001 2.051 102 2.3.4.7.3.4%cD0 1.02e6 1.22 NO 1.022 1.000 2.46.7 1.001 2.056 1.001 2.001 2.006 1.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 1.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 2.001 <td< th=""><th>0 0037 305 0 115 706 0 114 706 0 114 706 0 112 107 0 112 107</th><th></th><th></th><th></th></td<>	0 0037 305 0 115 706 0 114 706 0 114 706 0 112 107 0 112 107			
R2_4 R2_4 S4 18.2106 \$120082892_4 1613/054 191208	23.90 34.10	3471	12376044000 3562 871518200 1294440	FiritoRape St 373 1,977e
IR2_4 94 19L2336 5130052842_4 1613 054 19L2336	11.M 	3471	1,2,3,7,8,9+teCDF 35,52 727379.06 10700517	90 millage 5 37 1 6754
IRZ_4 S4 T9L2306 ST200520RRJ_4 1613 CS4 19L2306	33.34 34.10 34.38	34.69	15C-1.2.3.7.8.9+H6C0F 3560 290669.06 4305435	/) yollage S 30 6 779
082_4 84 1962506 0720662882_4 1613 CB4 1962306	33.98 34.10 34.39	34.69	130-1.2.3.7.8.9-HXCOF 35.6.0 593495-38 8563968	5 kvaitage S 19 1,347

1

Quantify Sam Vista Analytica		Pa	ige 50 of 78
Dataset:	Untitled		
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time		



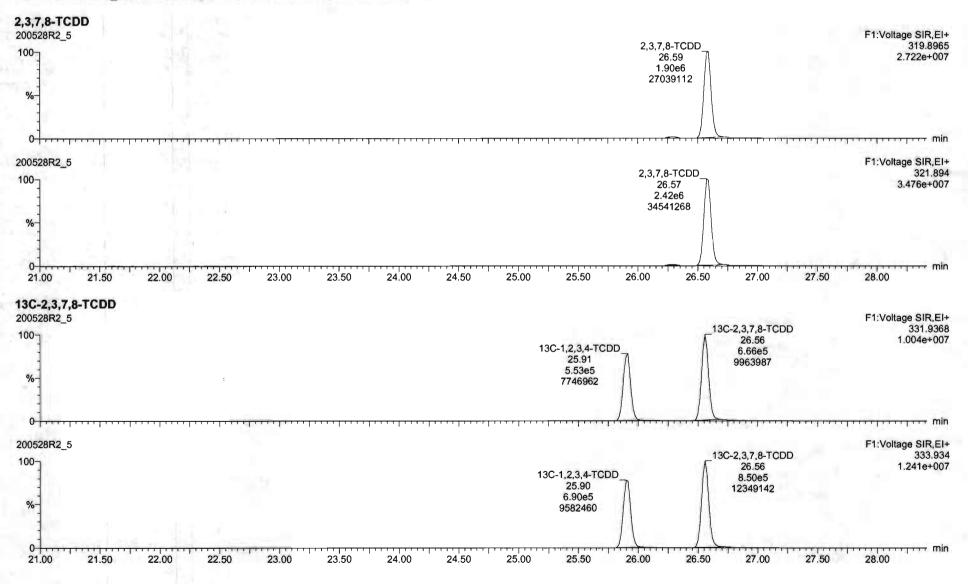




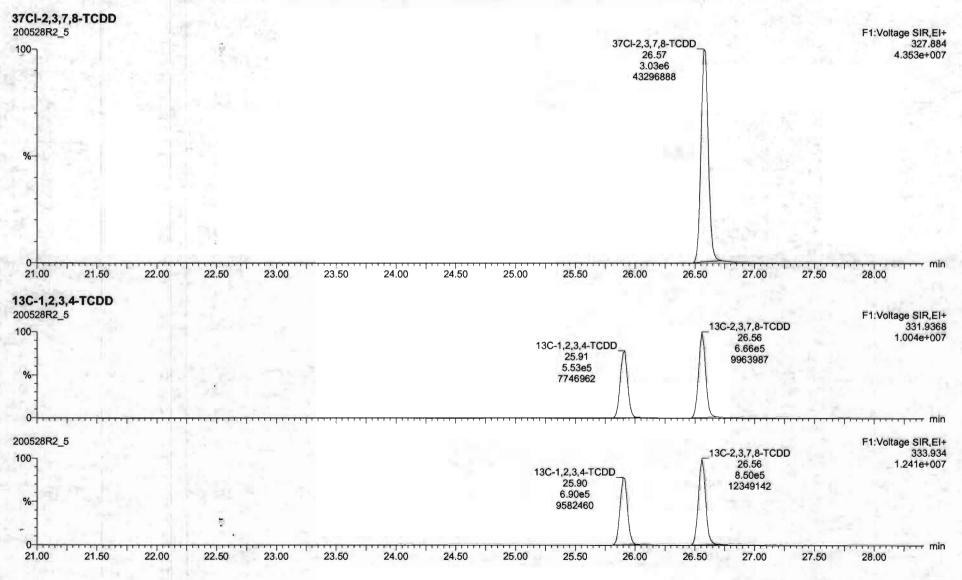
1 File Las Lear Dapley 1	-8 D→	4Rec 04 FINC 105 0 124 41.			
2 12375PcC00 3 1234754AC00 4 1234754AC00 5 7217354C00 6 13348754BC00 7 0C00 8 23767CCF 9 12375ABC00 10 14754BC02 11 14754BC02 11 14754BC02 11 234754BC02 12 1256754BC05	1 122+6f 1 2 NO 0 6/8027 5/300 3/4 9 1/001 2/95 1 7/8e6 1 7/0 1/0 16/2 1/001 1/011 1/001 1/011	166 0.218 211 60.4 0.402 197 107 0.121 42.6 161 0.118 202 162 0.121 42.6 163 0.221 204 164 0.221 206 163 0.203 206		· · · ·	
13 2.3.4.7.8.4.034 14 1.2.7.5.9.4.034 15 1.2.3.4.5.7.8.4.004 16 1.2.3.4.7.8.5.4.004 17 0.004 18 1.5.2.2.7.8.4.005 19 106-12.3.7.8.4.4000 29 186-12.3.4.7.8.44000 21 136:12.3.4.7.8.44000	1 68ef 1 20 NO 0 8787 t 206 14 62 1 001 205 1 43e6 0 96 NO 0 8734 1 000 17 35 1 000 213 1 13e6 0 96 NO 0 8734 1 000 17 35 1 000 213 1 33e6 0 96 NO 0 8734 1 000 17 35 1 000 213 1 33e6 0 96 NO 0 8736 1 000 1 000 213 1 546 0 877 NO 0 8055 1 000 41 56 1 002 402 1 566 0 877 NO 0 8055 1 000 41 56 1 002 402 1 560 0 97 NO 1 156 2 86 1 002 1 002 1 002 1 002 1 166 0 84 NO 0 8496 1 000 1 156 5 216 103	105 9.216 407 184 9.313 200 106 0.213 211 107 9.227 214 106 0.071 402 105 0.164 105 0.172 105 0.172 104 0.172		STATISTICS STATISTICS	
10052882_4 1413 114 10,2006 1120052082 100 46	7_4 1613 (54 T0L2306	OCDF 41 96 1185048 63 15854852			155 (1988,454) 443 (145) 1 5996 (1967)
0 20252792-4 2013 (2014) 2006 813 3006 2002 100 - %	2_4 1615 2.54 19(23)#	OCDF 41 95 1756018 50 18090134			가지 (1997) 14 - 140 1417 140 1 8204-801
20012887_4 9113_CS4_19(2106.5120653882 100 4 10	2_4 1613/054 19L206	13C-OCDF #1 95 733298 #3 9363995			600 F 5 Votage SR3 (54 453 /451 0.3656+000 744
20052682_4 9613 DS4 19.2106 9720642982 100 - %	2_4 1643 CS4 19L2206	13C-OCDF.41.95.836523 12 10558501			Fit Venuege 55 748 455 748 1.0576 1067
U 40 20 40 4 Custom Reporting: Select reports t		4150 4180 4280 42.20 4	248 4240 4290 4300 4328		42 0 44 50 44 80 45 00 852872.4 CAP NUM ■ B ⊕ 24 0 12 12 18 00 AM

Quantify Sam		MassLynx 4.1 S	CN815					Page 52 of
ataset:	Untitled							
ast Altered: rinted:	Friday, May 29 Friday, May 29	9, 2020 7:49:30 AM F 9, 2020 7:49:39 AM F	Pacific Daylight Time Pacific Daylight Time					
ame: 20052	8R2_4, Date: 28	3-May-2020, Time: 1	4:15:50, ID: ST2005	28R2_4 1613 CS4	19L2306, Descripti	ion: 1613 CS4 19L23	306	
FK1	140 M. 1							
00528R2_4	19.91 20.05	20.62 21.17 21.89	9;1.95e4;210764 22.	79 22.97 23.75	24.07 24.22 24.97	25.54;6.65e3;161824	26.47;3.17e4;200474	F1:Voltage SIR,E 27.67 316.98 4.5626+0
%								
0 ⁻¹	50 20.00 20	0.50 21.00 21.50) 22.00 22.50	23.00 23.50	24.00 24.50 25.	00 25.50 26.00	26.50 27.00 27.	50 28.00
FK2								
0528R2_4	28.83 1.07e5	Same and		11 30.21 20.42		31.47 21 56		F2:Voltage SIR, 366.93
28.44	418636	29.12 29.31 29.48	29.77 29.92 30.	11 30.21 30.43	30.89	31.19 31.56	31.80 32.05	
%								
28.50 FK3 00528R2_4	28.75 29.00 33.12;1.39e		29.75 30.00 2363482 33.69 34.09	30.25 30.50 9;4.20e5;2208521 3	30.75 31.00 34.36;9.35e4;1049548	31.25 31.50 34.81 35.03	31.75 32.00 3	2.25 32.50 F3:Voltage SIR, 68 380.97 1.001e+(
% <u>}</u>								
32.4	80 33.00	33.20 33.40	33.60 33.80 34	4.00 34.20 3	4.40 34.60 3	4.80 35.00 35.	20 35.40 35.60	35.80 36.0
FK4								
00528R2_4	36.75	37.19	37.45.37.48	38.08	38.29 38.49	38.67 39.02	^{9.10} 39.27 39.53	F4:Voltage SIR, 39.80 430.97
%	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					56.07	39.27 39.53	0.604e+ (
70								
		.80 37.00 37.20	37.40 37.60	37.80 38.00 38	8.20 38.40 38.6	0 38.80 39.00	39.20 39.40 39.60	39.80 40.00
FK5								
00528R2_4	40.39 40.	39 41.13 4	41.89	10 00 5 11 1 5 5 5	42 00:1 00-5:40000	43.73		F5:Voltage SIR,
	4.76e5 4.76 1223450 1223		.98e4 3.22e4 50872 41.67 343438	42.66;5.14e4;6350	31 42.96;1.93e5;129099	92 3.41e4 248182	44.00 44.07;1.94e4;2179	62 454.97 3.979e+0
% 40.01							the second s	
0 ¹								· · · · · · · · · · · · · · · · · · ·
40.2	5 40.50 40.7	75 41.00 41.25	41.50 41.75 42.0	00 42.25 42.50	42.75 43.00	43.25 43.50 43.75	44.00 44.25 44.5	60 44.75 45.0

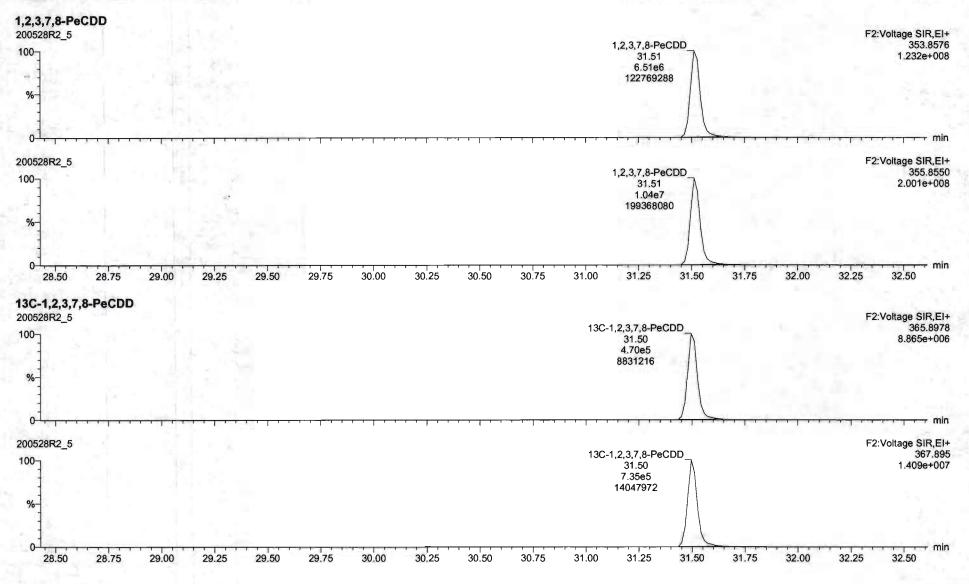
Quantify San Vista Analytica		Page 53 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

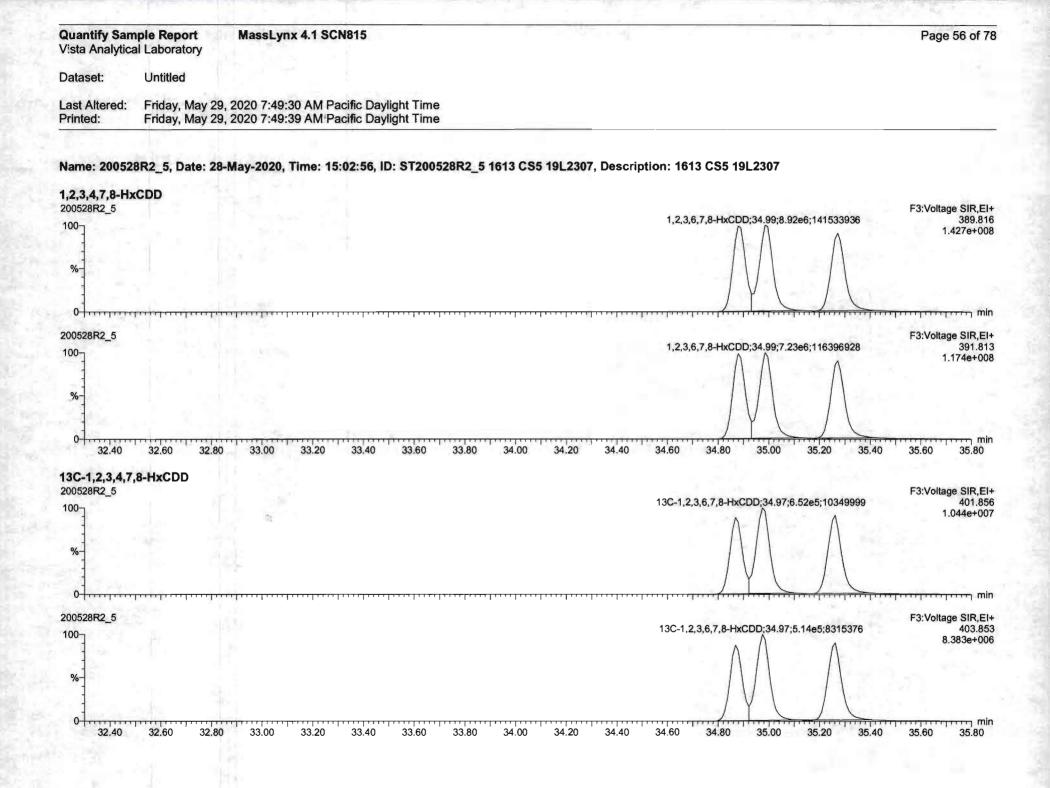


e Report MassLynx 4.1 SCN815 aboratory	Page 54 of 78
Intitled	
riday, May 29, 2020 7:49:30 AM Pacific Daylight Time riday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
	aboratory ntitled riday, May 29, 2020 7:49:30 AM Pacific Daylight Time



Quantify Sam Vista Analytica		Page 55 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

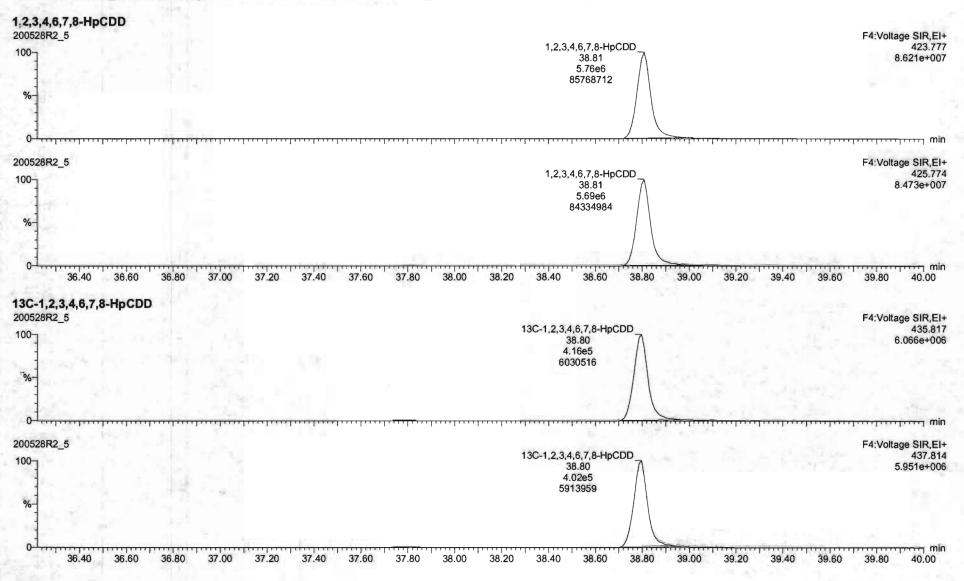


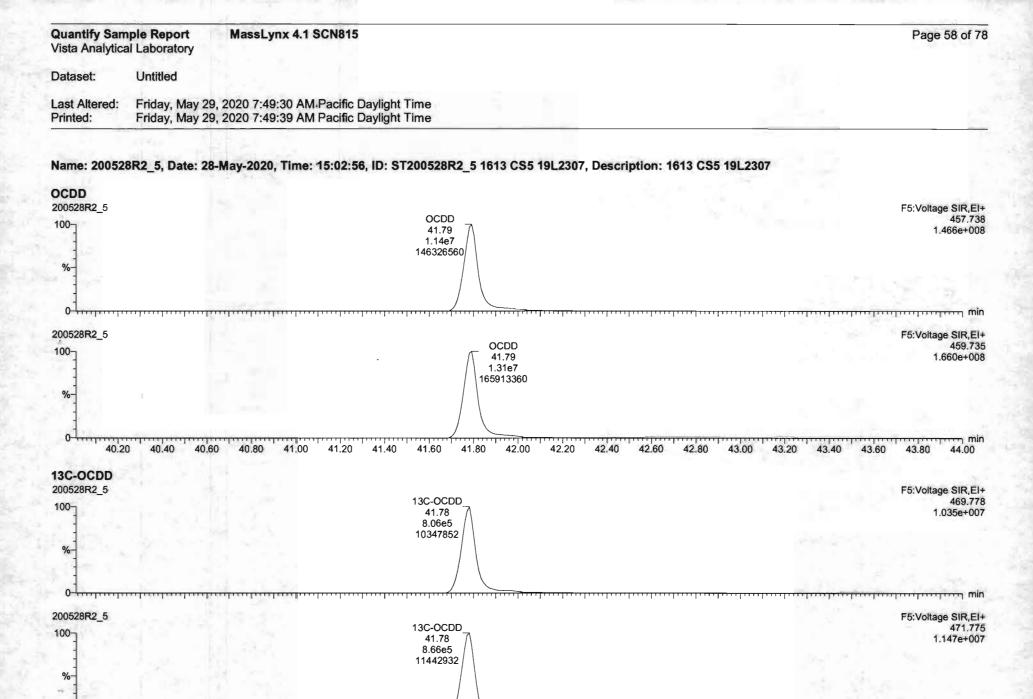


Work Order 2001155

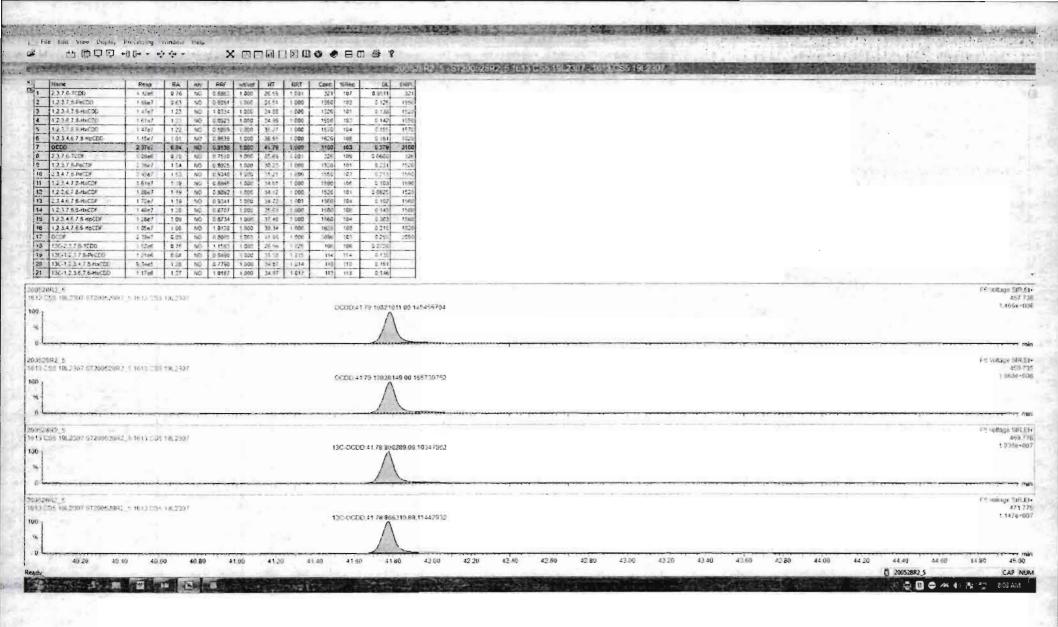
Page 551 of 638

Quantify San Vista Analytica		Page 57 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

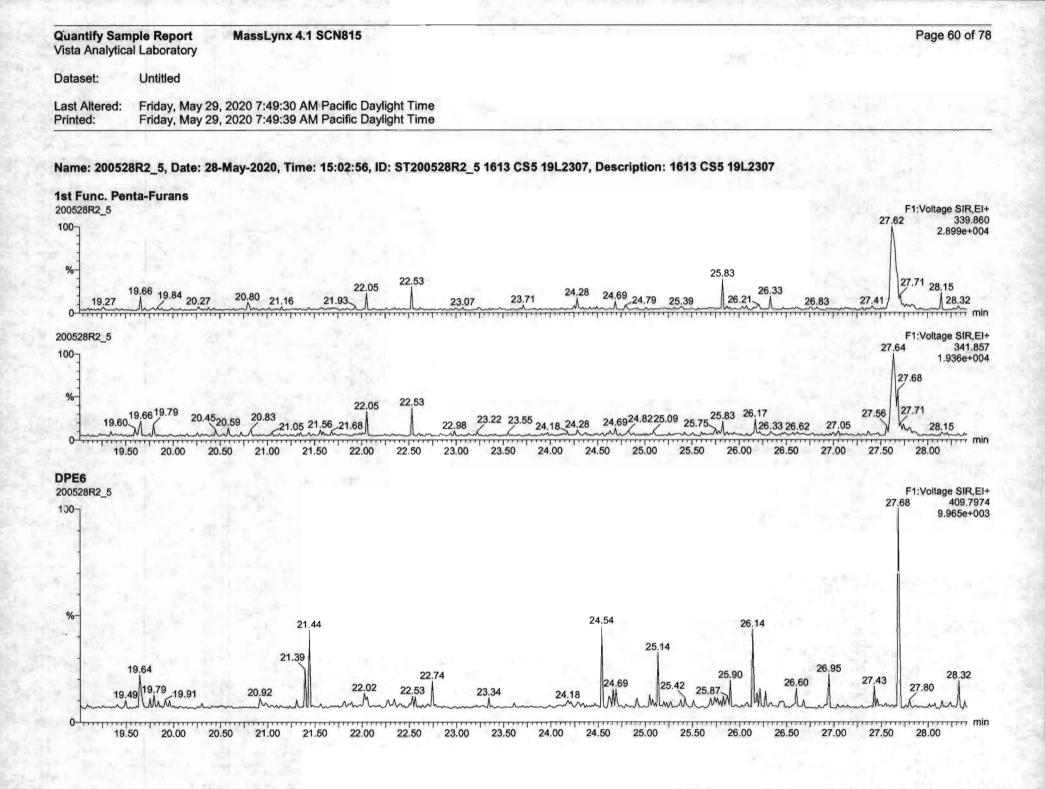




0 100 n min 41.00 41.80 40.20 40.40 40.60 40.80 41.20 41.40 41.60 42.00 42.20 42.40 42.60 42.80 43.00 43.20 43.40 43.60 43.80 44.00



titled day, May 29 day, May 29):30 AM Pa													
):30 AM Pa	1.021 - 20 - 4												
17	1 2020 1.40														
_5, Date: 28	-May-2020	, Time: 15:	:02:56, 10	D: ST200	528R2_5	5 1613 CS	65 19L23	07, Dese	cription:	1613 CS	5 19L23	07			
															F1:Voltage SIR,I
															303.90 2.995e+0
	1			1	1				[[1	F1:Voltage SIR,E
									2,3,7,8 25	8-TCDF					305.8 3.991e+0
20.00 20).50 21.00) 21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00
				13C-1 2 3	4-TCDE-2	4 24 8 17e	5.9720106		13C-2.3.7.8	-TCDF					F1:Voltage SIR, 315.94
				100 1,2,0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,)		25.68	8 A					1.222e+(
								<u>\</u>	121054	66 / \	.				n
															F1:Voltage SIR,E
				13C-1,2,3,4	4-TCDF;24	.24;1.03e6;	12371959		25.66	Λ					317.9 1.551e+0
								\							
20.00 20).50 21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	25.50	26.00	26.50	27.00	27.50	28.00
											26.14			27 68	F1:Voltage SIR, 375.83
														2.02e2	8.924e+(
								24.54						1000	
20,09															
70		21.44	22.05	22.53				24 6	SQ		5 95 2	5.18		-	20 2
20.30	20.59 20.92			2.49 2	2.59		23.94 24.	25	25.14 25.	27 25.69 2	1.	26.47	26.83	27.43	28.15 28.3
	20.09	20.09	20.09 20.09 20.09 20.09 21.44 21.39	20.09 79 21.44 22.05 20.09 21.39 22.05 22.05 21.39 22.05	13C-1,2,3 13C-1,2,3, 13C-1,2,3, 20.00 20.50 21.00 21.50 22.00 22.50 20.09 79 21.44 22.05 22.53	13C-1,2,3,4-TCDF;2 13C-1,2,3,4-TCDF;24 13C-1,2,3,4-TCDF;24 20.00 20.50 21.00 21.50 22.00 22.50 23.00 20.09 79 21.44 22.05 22.53	13C-1,2,3,4-TCDF;24.24;8.17e 13C-1,2,3,4-TCDF;24.24;1.03e6; 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 20.09 79 21.44 22.05 22.53	13C-1,2,3,4-TCDF;24.24;8.17e5;9720106 13C-1,2,3,4-TCDF;24.24;1.03e6;12371959 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 20.09 79 21.44 22.05 22.53	13C-1,2,3,4-TCDF;24.24;8.17e5;9720106 13C-1,2,3,4-TCDF;24.24;1.03e6;12371959 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 24.54 20.09 79 21.44 22.05 22.53 24.54 24.54	20,00 20,50 21,00 21,50 22,00 22,50 23,00 23,50 24,00 24,50 25,00 13C-1,2,3,4-TCDF;24,24;8,17e5;9720106 13C-2,3,7,8 256 8,92e 12(105 13C-1,2,3,4-TCDF;24,24;1,03e6;12371959 13C-2,3,7,8 13C-2,3,7,8 13C-2,3,7,8 25,66 1,15et 153988 20,00 20,50 21,00 21,50 22,00 22,50 23,00 23,50 24,00 24,50 25,00 24,50 25,	13C-1,2,3,4-TCDF;24.24;8.17e5;9720106 13C-2,3,7,8-TCDF 25.68 8.92e5 12105466 13C-2,3,7,8-TCDF 25.66 1.15e6 15398880 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 24.54 24.54 24.54 24.54 24.54 24.54 24.54 24.54 24.54 24.59 25.14 25.66 25.00 25.50 24.50 25.00 25.50 25.66 1.5398880 24.54 24.54 24.54 24.54 24.54 25.66 2.50 25.66 2.50 25.50 24.50 25.00 25.50 24.50 25.00 25.50 24.50 25.00 25.50 24.50 25.00 25.50 24.50 25.00 25.50 24.50 25.00 25.50 25.50 25.50 24.50 25.00 25.50 24.50 25.00 25.50 24.50 25.00 25.50 24.50 25.00 25.50 25.50 24.50 25.00 25.50 24.50 25.50 24.50 25.50 24.50 25.	23.569 29787084 2.3.7,8-TCDF 25.69 2.8566 39693292 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 13C-1,2,3,4-TCDF;24.24;8.17e5;9720106 13C-2,3,7,8-TCDF 25.68 8.92e5 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 1.15e6 1.15e7	25.69 27.566 29787084 2.3,7,8-TCDF 2.569 39693292 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 13C-1,2,3,4-TCDF;24.24;8.17e5;9720106 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 25.69 26.00 26.50 26.14 26.14 20.09 70 21.44 22.05 22.53 22.53 24.50 25.50 26.00 26.50 26.14 26.14 24.54 24.54 24.54 24.54 24.54 24.54 26.14 21.50 25.50 26.5	20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 13C-1,2,3,4-TCDF;24.24;8,17e5;9720106 13C-2,3,7,8-TCDF 25.66 13C-2,3,7,8-TCDF 25.66 13C-2,3,7,8-TCDF 25.66 11566 13C-2,3,7,8-TCDF 25.66 11566 13S98880 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 26.50 27.00 26.14 24.54 25.50 25.00 25.50 26.00 26.50 27.00 25.50 26.00 26.50 27.00 26.14 26.14 24.54 25.50 25.00 25.50 26.00 26.50 27.00 26.14 24.54 24.54 26.14 26.14 24.54 26.14 20.05 21.50 21.50 22.50 22.50 22.50 22.50 23.50 24.50 25.50 25.50 26.00 26.50 27.00 26.14 26.1	20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27.50 13C-1,2,3,4-TCDF,24.24;8,17e5;9720106 13C-2,3,7,8-TCDF 25.68 8,92e5 12105466 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 13C-2,3,7,8-TCDF 25.68 12105466 13C-2,3,7,8-TCDF 25.68 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27.50 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27.50 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.50 26.00 26.50 27.00 27.50 26.50 27.00 27.50 27.60 27.68 20.02 26.50 27.00 27.50 26.50 26.00 26.50 27.00 27.50 26.50 27.00 27.50 26.50 27.00 27.50 26.50 26.00 26.50 27.00 27.50 26.50 27.50 26.50 27.50 26.50 27.50 26.50 27.50 26.



Quantify Sam /ista Analytica			MassLy	nx 4.1 SC	N815									1		Page 61 of 7
Dataset:	Untitled															
ast Altered: Printed:	Friday, N Friday, N	May 29, 2 May 29, 2	2020 7:49	:30 AM'Pa :39 AM Pa	cific Dayli	ght Time aht Time										
				1		1		42.085.4	01 0207	Descripti	om: 1612	C 95 401 2	207			-
lame: 20052	and the second sec	ite: 28-N	lay-2020	, 11me: 15	:02:30, ID	: 512005	2082_310	13 635 1	922307,1	Descripti	on: 1013	C33 19L2	507			
,2,3,7,8-PeC	UF														F2	:Voltage SIR,E
100-					1	,2,3,7,8-PeC	DF_		2,	3,4,7,8-PeC 31.21						339.86 2.855e+00
%						30.23 1.44e7	Λ			1.48e7	/					2.0000000
						260013920) /			284348032	2					m
0-1-1-1-1																
00528R2_5									2	3,4,7,8-PeC	` DE				F2	Voltage SIR,E: 341.85
100- ₇					1	,2,3,7,8-PeC 30.23			۷,۰	3,4,7,8-Pec 31.21						1.864e+00
%						9.36e6	/\			9.67e6	. /\					
ol, , , , ,						170019040				185700144				,,,,,		m
28.50	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.50
3C-1,2,3,7,8-	DeCDE															
200528R2_5	Pecur														F	Voltage SIR,E
100-1					13C-1,	2,3,7,8-PeC	DF			4,7,8-PeC	DF					351.90
1						30.21 1.09e6	\wedge			31.19 1.04e6	/\					1.939e+0
%-					1	8708914				231522						
04	<u></u>						~ ~ ~ ~ ~ ~						1.4.1.1			<u> </u>
200528R2_5															F	Voltage SIR,E
100-3					13C-1,	2,3,7,8-PeC	DF_		13C-2,3	4,7,8-PeC	DF_					353.89
-						30.21 6.66e5	\wedge			31.19 6.48e5	\wedge					1.233e+00
%						1901737				2242805						
0 ¹ , , , , , , , , , , , , , , , , , , ,	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.50 mi
20.00	20.75	29.00	20.20	20.00	20.70	50.00	00.20	00.00	00.70	01.00	01.20	01.00	01110	02.00	02.20	02.00
PE2																
200528R2_5															F	2:Voltage SIR,E
100	28.80			29.51							31.	.34				409.797 3.033e+00
	-															
-	Ą			A				30.49								
								00.40]	31,53			32.27	

30.75

Work Order 2001155

28.75

29.00

29.25

29.50

29.75

30.00

30.25

30.50

0-

28.50

32.50

32.25

31.50

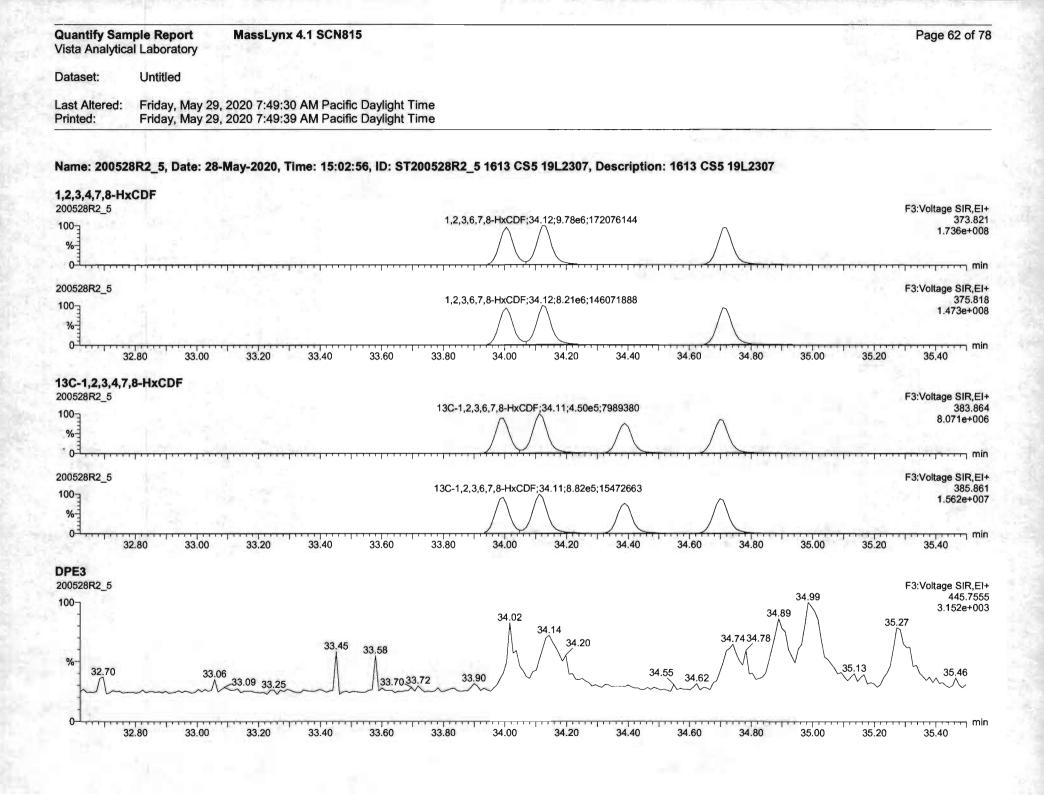
31.25

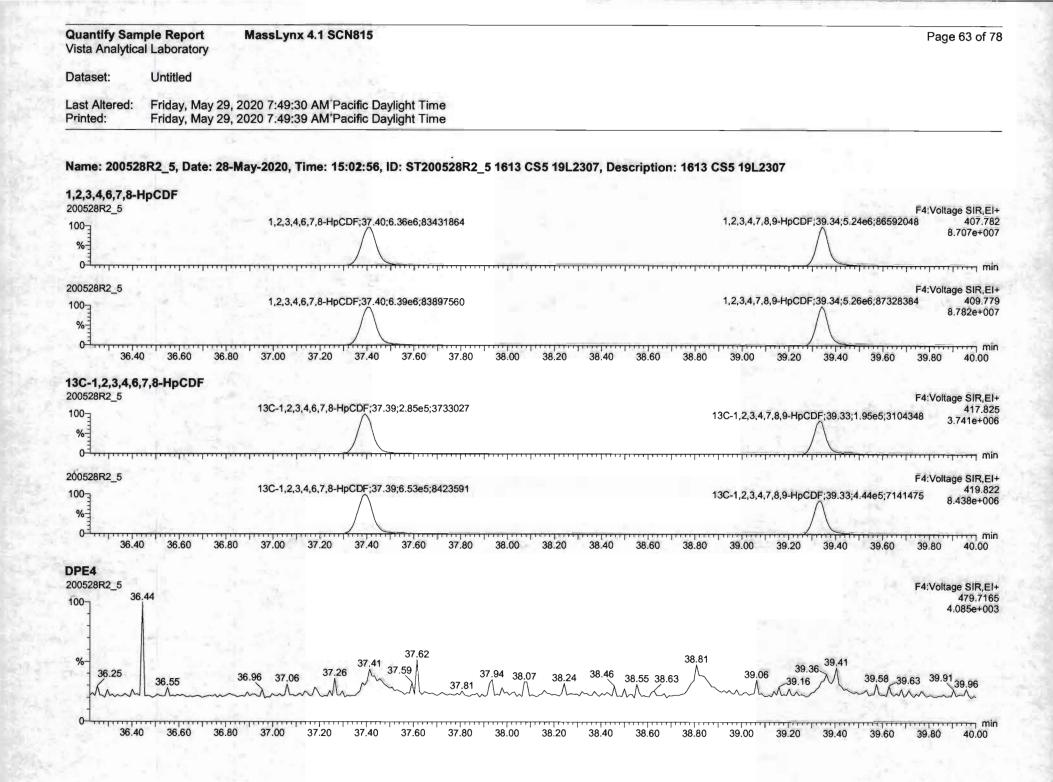
31.00

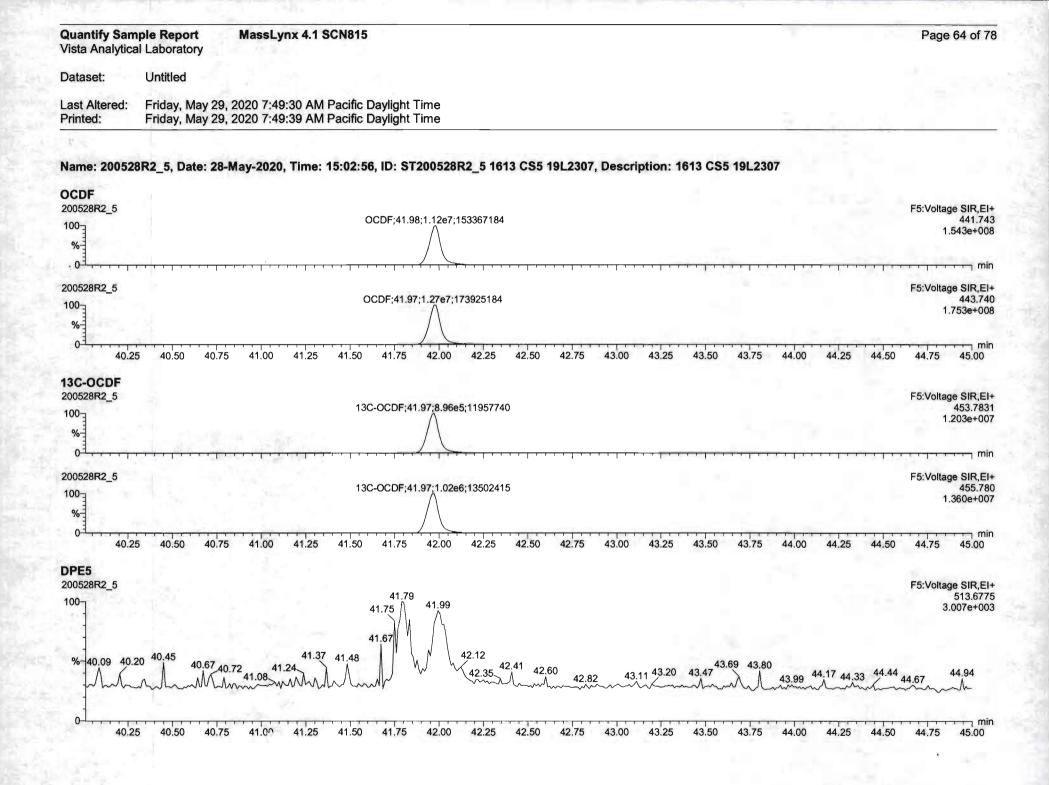
31.75

32.00

min



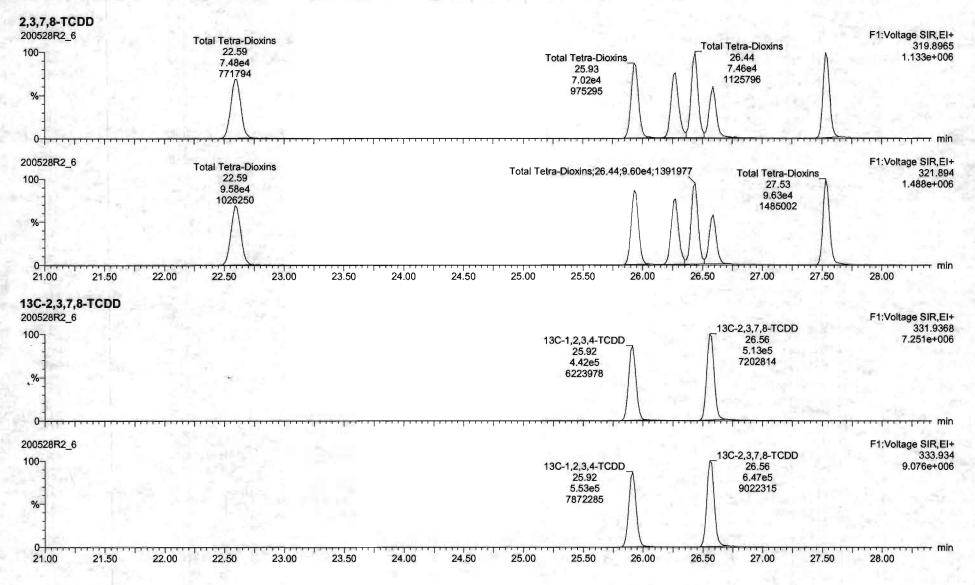




Work Order 2001155

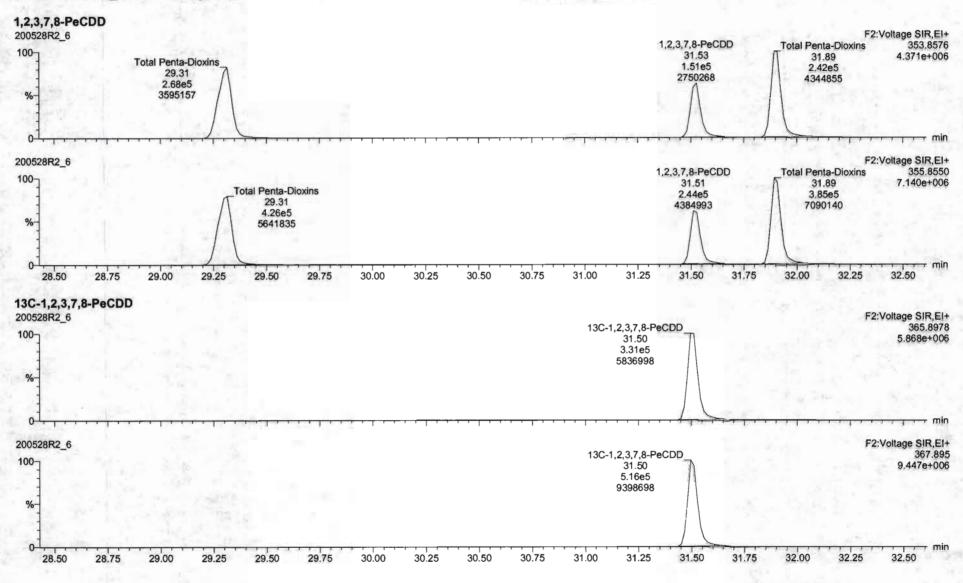
	atory MassLy	ynx 4.1 SCN815						Page 65 of
ataset: Untitle	d							
		9:30 AM Pacific Daylig 9:39 AM Pacific Daylig						
ame: 200528R2_5, I	Date: 28-May-2020), Time: 15:02:56, ID:	: ST200528R2_5 16	13 CS5 19L2307	, Description: 16	3 CS5 19L230	07	
FK1 0528R2 5								F1:Voltage SIR,E
20.02;1.21e4;129914	20.62,20.72	21.41 ^{21.54} 21.98 2	22.73;5.70e3;98634	23.74	25.00;1.97e4;22019	25.59 26.14	26.65 26.84 27.56;3.4	1e4;368222 316.98
%	20.02 20.72	and 21.90 2		sand	mandam		mundan man	1.648e+0
0 ⁻¹	.00 20.50 21.0	0 21.50 22.00	22.50 23.00 2	23.50 24.00 2	24.50 25.00 2	5.50 26.00	26.50 27.00 27.	50 28.00
K2								
0528R2_5	00.40	29.80		20.61 20.81	31.11 3	1.37	1.85;2.50e4;246305_32.06	F2:Voltage SIR,I
28.69;1.03e5;66474 28.55	17 29.10 21	9.38 29.42 29.80	30.17 30.3	530.47 30.01 30.01	30.89 31.05 31.11 3		32.06	32.35 366.97 1,508e+0
EEo			, , , , , , , , , , , , , , , , , , ,	••••••				
28.50 28.75	29.00 29.25	29.50 29.75	30.00 30.25	30.50 30.75	31.00 31.2	5 31.50	31.75 32.00 3	32.25 32.50
K3								
0528R2_5	0 00 04:0 70-0:40	32.81;2.76e6;4	4090882					F3:Voltage SIR,I 35.88 380.97
32.81;2.76e6;409088	2 32.81;2.76e6;40	90882		34.27 34.40	34.60 34.75 3	4.95 35.08	35.39 35.60	8.482e+0
%								
0 ¹			┠┅╍┱╍┠┎┍╍┎╒┎┍┍┍┍┍				****	,
32.80 3	3.00 33.20	33.40 33.60 33.	.80 34.00 34.	20 34.40	34.60 34.80	35.00 35.2	0 35.40 35.60	35.80 36.00
FK4				00.40				F4:Voltage SIR,
0528R2_5	20.00			38 18 20	22.2 1501.521122			
0528R2_5	2295155 36.76 36.90	37.33;3.20e5;1628083	37.96;1.54e4	4;376001 38.18 38.1	32;3.15e4;524422	38.89	39.33 39.48	
00528R2_5 36.57;5.38e5;	2295155 36.76 36.90	37.33;3.20e5;1628083	37.96;1.5464	1;376001 38.18 38.	32;3.15e4;524422	38.89	39.33 39.48	
0528R2_5 36.57;5.38e5; %								<u>6.766</u> e+(
00528R2_5 36.57;5.38e5; %				·····			<u>39.33 39.48</u> 39.20 39.40 39.60	<u>6.766e+0</u>
00528R2_5 36.57;5.38e5; % 0 0 36.40 36.60								<u>6.766e+0</u>
00528R2_5 36.57;5.38e5; 36.40 36.40 36.40 36.40 36.40 36.40 36.40 36.40 36.57 36.57;5.38e5; 40	50 36.80 37.00		37.60 37.80 38		3.40 38.60 38.			0 39.80 40.00 F5:Voltage SIR,I
% 0 36.40 36.40 36.60 FK5 00528R2_5 40 00 3.7	50 36.80 37.00 .54 7e5) 37.20 37.40	37.60 37.80 38	12 49			39.20 39.40 39.60	6.766e+0 0 39.80 40.00 F5:Voltage SIR,t
00528R2_5 36.57;5.38e5; 36.40 36.40 36.40 36.40 36.40 36.40 36.40 36.40 36.57;5.38e5; 37.57;5.38e5; 37.57;5.38e5; 37.57;5.38e5; 37.57;5.38e5; 37.57;5.38e5; 37.57;5.38e5; 37.57;5.38e5; 37.57;5.38e5; 37.57;5.38e5; 37.57;5.38e5; 37.57;5.38e5; 37.57;5.39;5.57;5.39;5.57;5.39;5.57;5.39;5.57;5.57;5.57;5.39;5.57;5.57;5.57;5.57;5.57;5.57;5.57;5.5	50 36.80 37.00		37.60 37.80 38	12.40	3.40 38.60 38.	80 39.00	39.20 39.40 39.60	6.766+0 0 39.80 40.00 F5:Voltage SIR,
00528R2_5 36.57;5.38e5; 36.40 36.40 36.40 36.40 36.40 36.40 36.40 36.40 36.40 36.57;5.38e5; 36.57;5.38e5; 36.57;5.38e5; 36.57;5.38e5; 36.57;5.38e5; 36.57;5.38e5; 36.57;5.38e5; 36.57;5.38e5; 36.57;5.38e5; 36.57;5.38e5; 36.57;5.38e5; 36.40 36.40 36.57;5.38e5; 36.40 36.57;5.38e5; 36.40 36.40 36.40 36.40 36.40 36.40 37.75 37.95 37.95 37.95 38.57;5.38e5; 38.57;5.38e5; 38.57;5.38e5; 38.57;5.38e5; 36.40 36.40 36.40 37.75 3	50 36.80 37.00 .54 7e5) 37.20 37.40	37.60 37.80 38	12 49	3.40 38.60 38.	80 39.00	39.20 39.40 39.60	6.766e+0 0 39.80 40.00 F5:Voltage SIR,1

Quantify Sam Vista Analytica	and the second se	Page 66 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

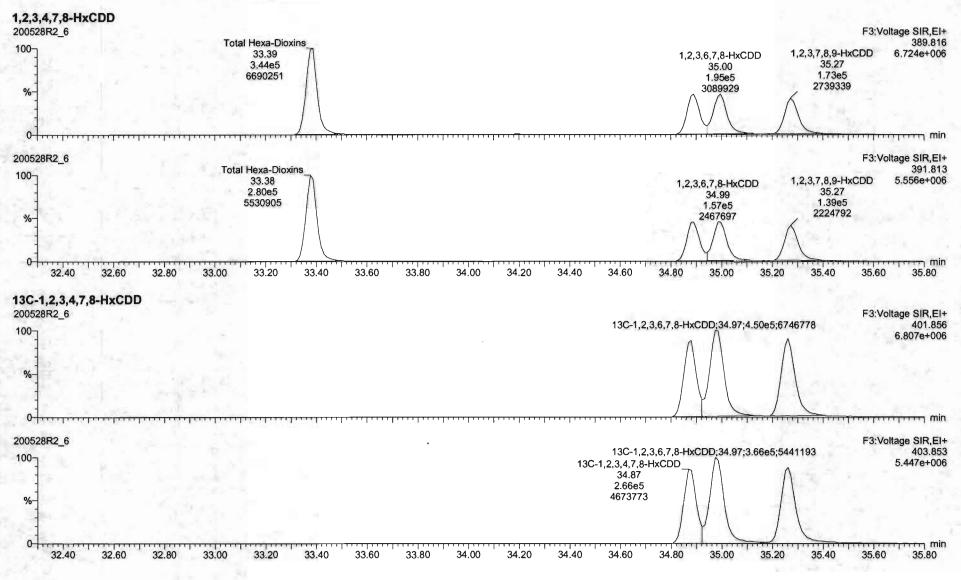


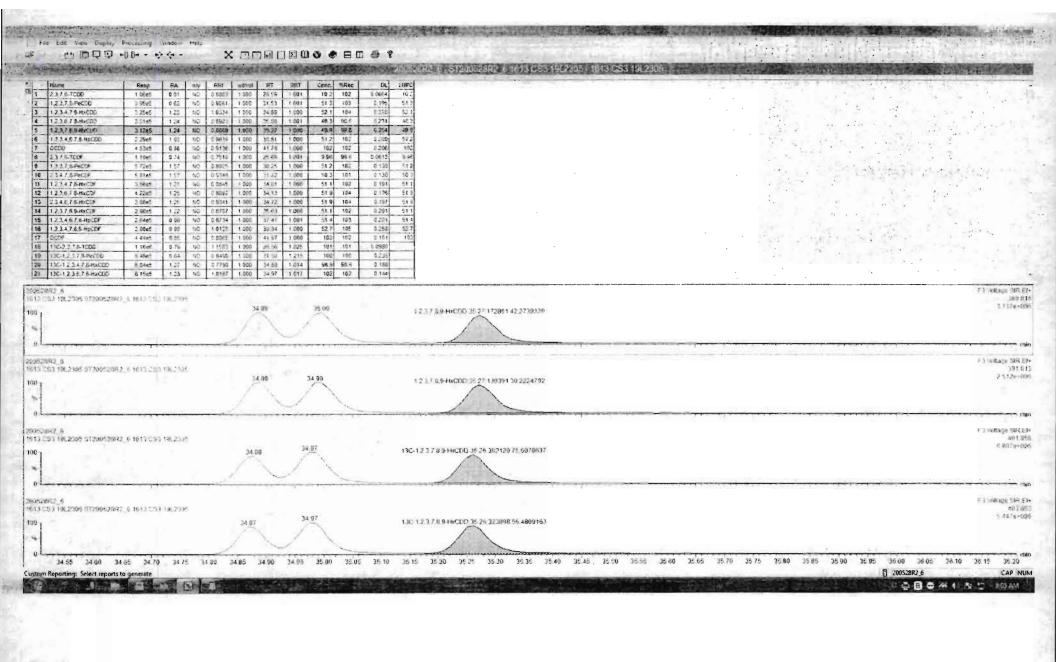
uantify Sam ista Analytica	al Laboratory MassLynx 4.1 SCN815			Page 67 of 7
ataset:	Untitled			
ast Altered: rinted:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Tir Friday, May 29, 2020 7:49:39 AM Pacific Daylight Tir	me me		
ame: 20052	8R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST20	00528R2_6 1613 CS3 19L2305, Description: 1613 CS3	19L2305	
CI-2,3,7,8-1	TCDD			F1:Voltage SIR,E
ס <u>ר</u> ס ססק		37CI-2,3,7,8-TC 26.59	DD	327.88 1.656e+00
1927		1.05e5 1633234		
1		1000201		
General In				
-				
%-				
-				
-				
1				
-				
0	21.50 22.00 22.50 23.00 23.50	24.00 24.50 25.00 25.50 26.00	26.50 27.00 27.50	28.00 m
		2.00 2.00 2000 2000	20.00 20.00 20.00	20.00
C-1,2,3,4-T 0528R2_6	CDD			F1:Voltage SIR,E
		13C-1,2,3,4-TCDD	_13C-2,3,7,8-TCDD ∬ 26.56	331.936 7.251e+00
		25.92 4.42e5	5.13e5 7202814	
%-		6223978		
-	성장 그는 것 같아.			
07		····		m
0528R2_6			_13C-2,3,7,8-TCDD	F1:Voltage SIR,E 333.9
200		13C-1,2,3,4-TCDD	∧ 26.56	9.076e+00
		25.92 5.53e5 7973295	6.47e5 9022315	
%		7872285		
1				
0			1	minimizer mi

Quantify Sam Vista Analytica		Page 68 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

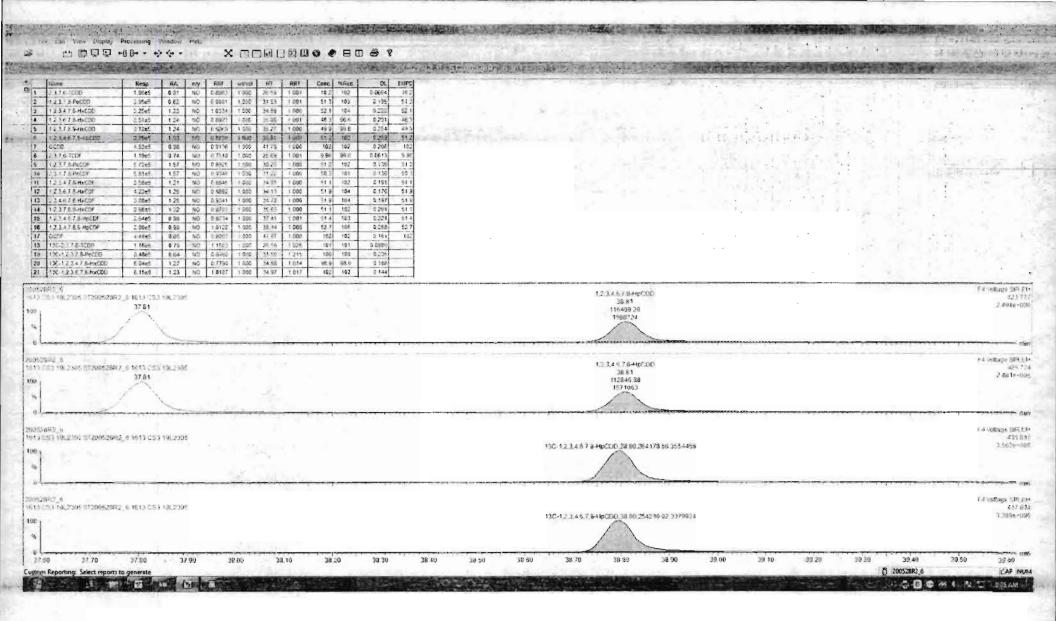


Quantify Sam Vista Analytica		Page 69 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
Name: 20052	BR2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305	1

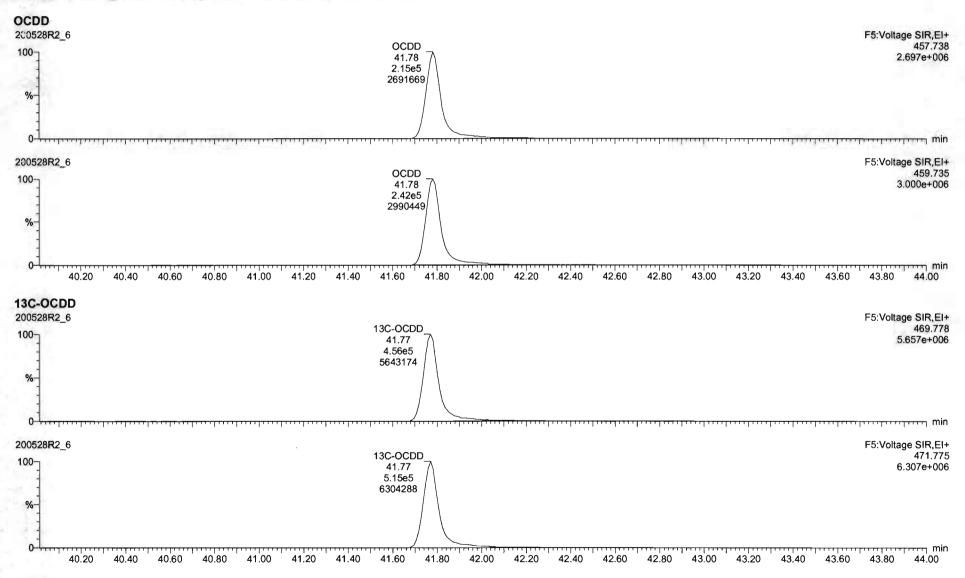




luantify San ista Analytica	Imple Report MassLynx 4.1 SCN815 al Laboratory MassLynx 4.1 SCN815			Page 70 of
Jataset:	Untitled			
ast Altered: rinted:	Friday, May 29, 2020 7:49:30 AM Pacific E Friday, May 29, 2020 7:49:39 AM Pacific E)aylight Time)aylight Time		
ame: 20052	8R2_6, Date: 28-May-2020, Time: 15:50:32	2, ID: ST200528R2_6 1613 CS3 19L2305, I	Description: 1613 CS3 19L2305	
2,3,4,6,7,8-1	łpCDD			F4:Voltage SIR,
Foc		Total Hepta-Dioxins	1,2,3,4,6,7,8-HpCDD 38.81 1.20e5	423.7 2.494e+(
-		1.99e5 2488109	1604261	
%-				
				and the second second
0-4	advertue de la construction de l			F4:Voltage SIR,
оо <u>го</u> па <u>-</u> о		Total Hepta-Dioxins	1,2,3,4,6,7,8-HpCDD 38.81	425. 2.481e+(
1		1.95e5 2474582	1.17e5 1577000	2,101010
%			\wedge	
1				
0 ⁻¹	0 36.60 36.80 37.00 37.20 37.40	0 37.60 37.80 38.00 38.20 38.40	0 38.60 38.80 39.00 39.20	39.40 39.60 39.80 40.0
C-1.2.3.4.6	7,8-HpCDD			
0528R2_6		13C-1 2	2,3,4,6,7,8-HpCDD_	F4:Voltage SIR, 435.0
-00 		100 1,2	38.80 2.64e5	3.562e+0
			3554458	
%				
1				1.040
				ע דייסידייייןייייויייוייייויייע
01		120 1 2	,3,4,6,7,8-HpCDD_	F4:Voltage SIR, 437.0
		130-1,2	00.00	
			38.80 2.54e5	3.388e+0
0 ⁻¹			38.80 2.54e5 3379924	3.388e+(
00			2.54e5 / \	3.388e+(



Quantify Sam Vista Analytica		Page 71 of 7
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM'Pacific Daylight Time	



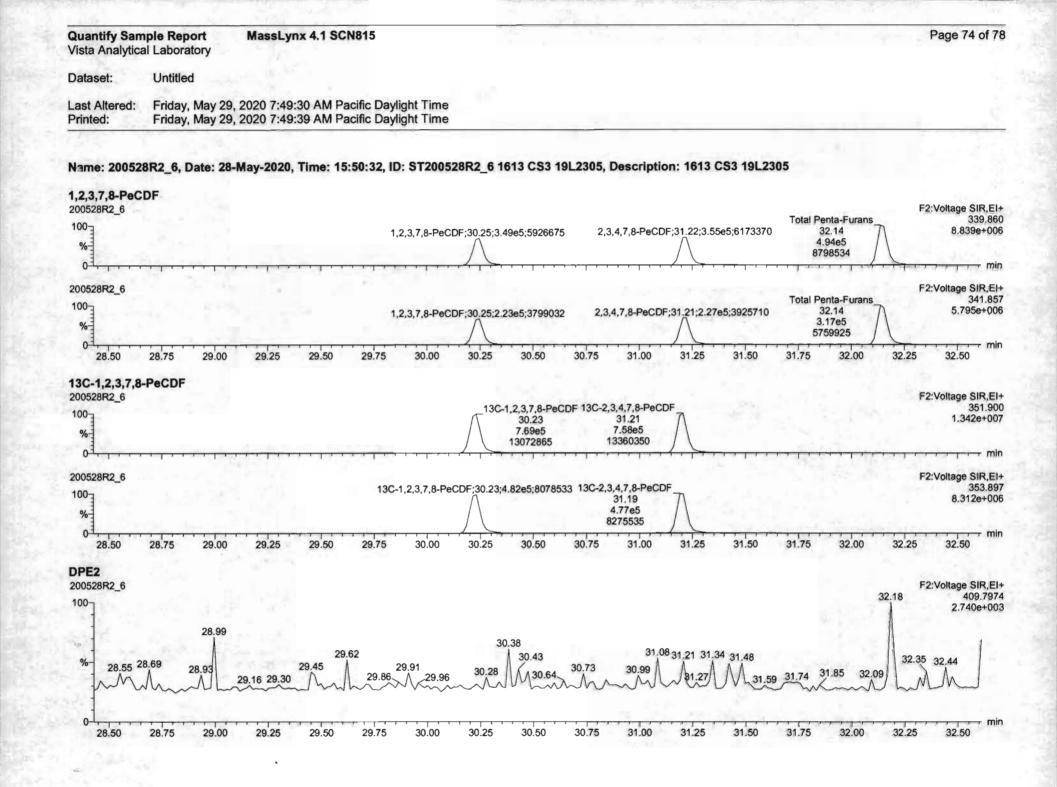
	CONTRACTOR DATA
- rectain low Digits/Processing Window Meto 2者 世前の日中間中・サイ・ X □□同日対側● ●日の 巻き	
105, 582 P ST-0052882 P 10 13 CS3 1912305	CONTRACTOR STATES
Histore Reage RA mly FHF webvoir FH NH1 Conc. 54 Rec. DL EMFC 1 2.3.7.6-FCDD 1.06ef 0.11 6.02 1.02 0.064 1.02 3 1.2.3.7.8-FMCDD 3.56e5 0.82 1.00 1.82 1.001 4.13 1.03 0.166 5.1 4 1.2.3.7.8-FMCDD 2.51e5 1.24 NO 0.800 1.001 4.03 96.6 0.251 4.03 5 1.2.3.7.8-FMCDD 3.12e1 1.24 NO 0.886 1.000 4.03 96.6 0.251 4.03 6 1.2.3.7.8-FMCDD 3.12e1 1.24 1.000	
6 2/3 7, 8-7CCF 1.19=6 0.24 100 0.25 1.001 3.86 9.96 0.9613 9.96 9 1.2, 3.7, 8-PCCDF 6.72e6 1.57 100 0.802 1.000 512 1.02 0.25 1.02 0.000 512 0.100 512 0.100 512 0.100 512 1.000 512 1.000 512 1.000 512 1.000 512 510 10 12, 2.4, 7, 8-PCCDF 5.56e5 1.21 1.00 6.51 1.000 6.51 1.000 6.51 510 11 12, 2.4, 7, 8-PCCDF 3.58e5 1.21 1.00 6.51 1.000 6.51 510 511 12 1.23, 6.7, 8-PCCDF 4.22e5 1.25 NO 0.8692 1.000 6.51 1.042 0.176 513 13 2.3, 6.7, 8-PCCDF 2.88e5 1.25 NO 0.8692 1.000 519 1.04 0.176 513 13 2.3, 6.8, 7-8-PCCDF 2.88e5 1.25 NO 0.8692 1.000 519 1.04 </th <th></th>	
16 12.3.4.7.8.6.McDP 2.00e5 0.80 NO 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 52.7 10.00 <td></td>	
0 COD241 78 212160 61 2893604 0 COD241 78 212160 61 2893604 0 COD241 78 212160 61 2893604	64 vietage 198.51. 622 738 2.507e-806
20050542_8 1013 CD1 1012306 5120052892_6 1613 CS3 19(230* 100 10 10 10 10 10 10 10 10 1	F≤ w8tage Site Ea+ 459 755 3 903e-406
13C OCC00,41.77.455024.75.5643174	P5 Notage SIR(E)+ 409.775 5.632e+000
NUMBER 0 NUMBER 0 <td>15 - offinger 1895 44- 473 725 - 0.707 e-005</td>	15 - offinger 1895 44- 473 725 - 0.707 e-005
	x0 s4 00 s4 80 45 00 x0528R2_6 CAP NUM Image: Bio market of the second

and a second

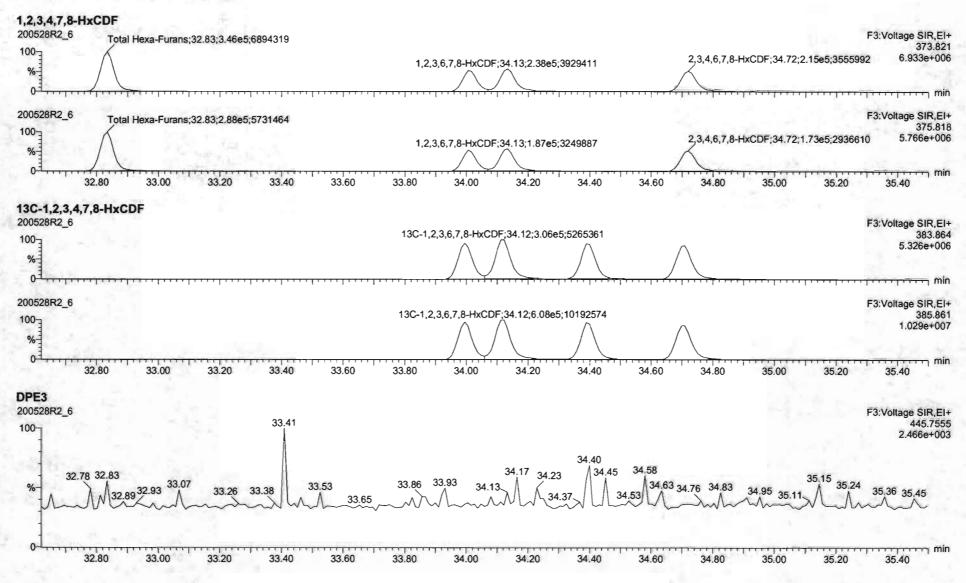
100

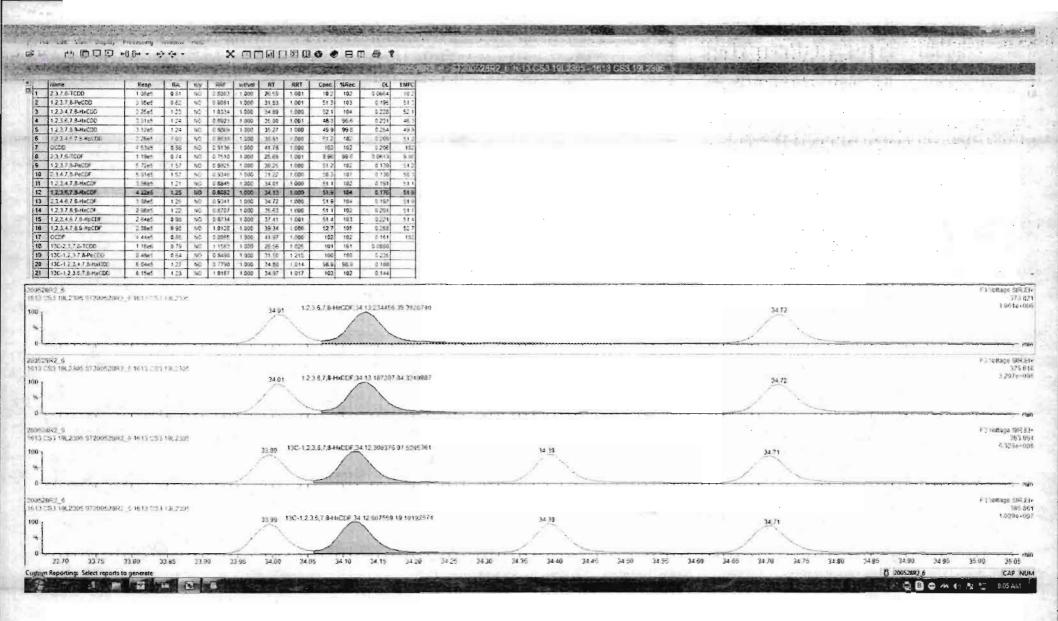
vista Analytica	aple Report MassLy Al Laboratory	/nx 4.1 SCN815								Page 72 of
Dataset:	Untitled									
ast Altered: Printed:	Friday, May 29, 2020 7:49 Friday, May 29, 2020 7:49	9:30 AM Pacific Day 9:39 AM Pacific Day	ylight Time ylight Time							
00050		T	D. 07000500D0							1.0
ame: 200528	8R2_6, Date: 28-May-2020), Time: 15:50:32, I	D: ST200528R2_	6 1613 CS3 19L2	305, Des	cription: 10	513 CS3 19	_2305		
200528R2_6		New St							and the second	F1:Voltage SIR,E
100 то	otal Tetra-Furans;20.44;9.88e4;11	88908						-	Total Tetra-Furans 27.68	303.90
%-	Λ					2,3,7,8-TCI	DF;25.69;5.05e	4;704752	1.02e5 1452973	//n
200528R2_6		l.					2,3,7,8-TCDF	17.18		F1:Voltage SIR,
100 To	otal Tetra-Furans;20.44;1.36e5;16	33132					25.69 6.83e4		Total Tetra-Furans 27.68	305.8 → 1.973e+0
%	A						937821 A		1.38e5 1966824	A
0 ⁻¹ ,,	50 20.00 20.50 21.00	0 21.50 22.00	22.50 23.00	23.50 24.00	24.50	25.00	25.50 26.0	0 26.50	27.00 27.50	28.00 n
E-00			13C-1,2,3,4-TCDF;2	24.24;6.51e5;7650581	λ	13C-2,3,7,8-T 25.68				315.94 9.711e+0
%					(6.93e5 9628105	A			
o ¹										
0 ⁴ ,			13C-1,2,3,4-TCDF;	24.24;8.41e5;993103(/ <u>_</u>	9628105	····			F1:Voltage SIR,I 317.9
0 ⁴ , 200528R2_6			13C-1,2,3,4-TCDF;	24.24;8.41e5;993103	\ \	9628105 				F1:Voltage SIR,6 317.9 1.217e+0
0 [∃] , 200528R2_6 ¹⁰⁰ ∃	50 20.00 20.50 21.00	0 21.50 22.00	13C-1,2,3,4-TCDF; 22.50 23.00	24.24;8.41e5;993103(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	24.50	9628105 13C-2,3,7,8-T 25.68 8.95e5 12087343				F1:Voltage SIR, 317.9 1.217e+0
0 ⁴ ,		0 21.50 22.00		· [• · · · · · · · · · · · · · · · · ·	λ	9628105 13C-2,3,7,8-T 25.68 8.95e5 12087343		14		F1:Voltage SIR,I 317.9 1.217e+0 28.00 F1:Voltage SIR,I
0 ⁴ , 200528R2_6 100 % 100 % 19.5 DPE1 200528R2_6		0 21.50 22.00		· [• · · · · · · · · · · · · · · · · ·	24.50	9628105 13C-2,3,7,8-T 25.68 8.95e5 12087343		14		F1:Voltage SIR,I 317.9 1.217e+0 28.00 F1:Voltage SIR,I 375.83
0 ⁴ , 200528R2_6 100 % 0 ⁴ , 19.5 DPE1 200528R2_6	50 20.00 20.50 21.00	0 21.50 22.00		· [• · · · · · · · · · · · · · · · · ·	24.50	9628105 13C-2,3,7,8-T 25.68 8.95e5 12087343 25.00		2	5.69	F1:Voltage SIR,E 317.9 1.217e+0 28.00 F1:Voltage SIR,E 375.83 5.477e+0 27.94
0 ⁴ , 200528R2_6 100 % 100 19.5 DPE1 200528R2_6 100 19.01				23.50 24.00	24.50	9628105 13C-2,3,7,8-T 25.68 8.95e5 12087343 25.00		26,35	5.69	F1:Voltage SIR,E 375.83 5.477e+0
0 ⁴ ,	20.35 20.59	21.54	22.50 23.00	23.50 24.00	24.50	9628105 13C-2,3,7,8-T 25.68 8.95e5 12087343 25.00	25.74, ^{25.85}	26,35 26,65	5.69	F1:Voltage SIR,I 317.9 1.217e+0 28.00 F1:Voltage SIR,I 375.83 5.477e+0 27.94 7.70
0 ⁴ , 200528R2_6 100 % 10.5 0 PE1 200528R2_6 100 19.01	20.35 20.59			23.50 24.00	24.50	9628105 13C-2,3,7,8-T 25.68 8.95e5 12087343 25.00	25.74, ^{25.85}	26,35	5.69	F1:Voltage SIR,E 317.9 1.217e+0 28.00 F1:Voltage SIR,E 375.83 5.477e+0 27.94
0 ¹ , 200528R2_6 100 % ¹ 0 ¹ , 19.5 DPE1 200528R2_6 100 19.01	20.35 20.59	21.54	22.50 23.00	23.50 24.00	24.50	9628105 13C-2,3,7,8-T 25.68 8.95e5 12087343 25.00	25.74 25.85	26,35 26,65	5.69 2 27.25 27.4	F1:Voltage SIR,E 317.9 1.217e+0 28.00 F1:Voltage SIR,E 375.83 5.477e+0 27.94 7.70

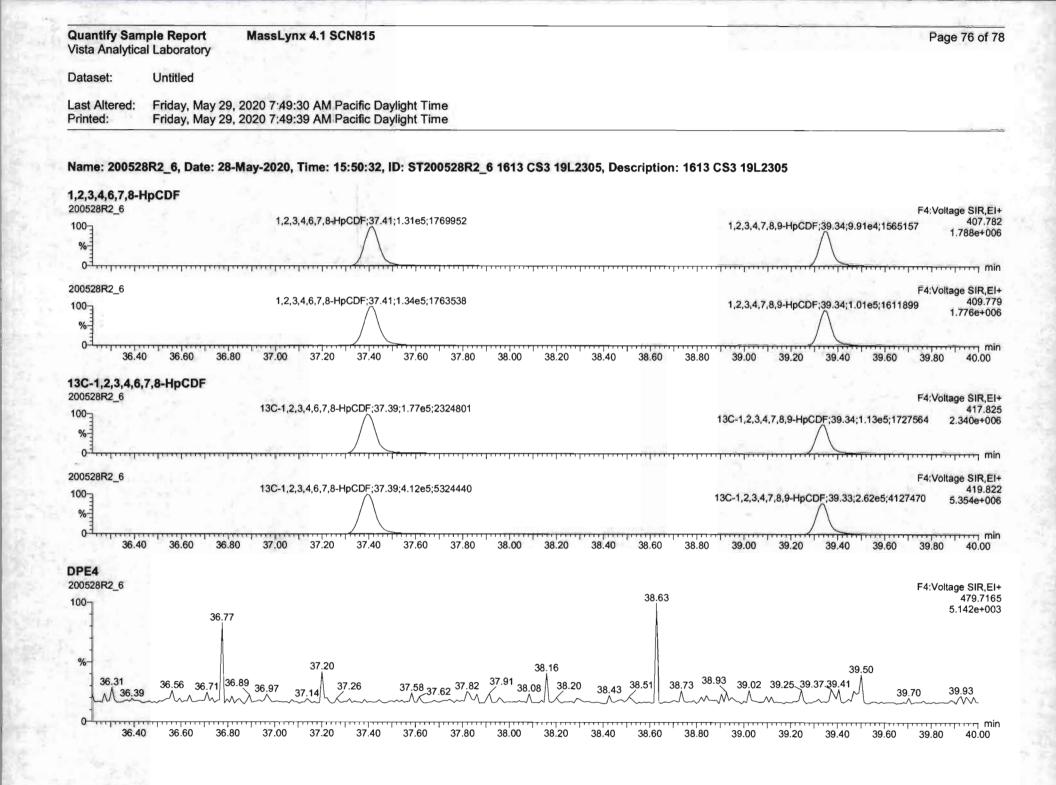
	aple Report MassLynx 4.1 SC al Laboratory	N815			Page 73 of 7
taset:	Untitled				
st Altered: nted:	Friday, May 29, 2020 7:49:30 AM Pa Friday, May 29, 2020 7:49:39 AM Pa	acific Daylight Time acific Daylight Time			
31					
me: 200528	3R2_6, Date: 28-May-2020, Time: 15	:50:32, ID: ST200528R2_6 1613 CS3 19	L2305, Description: 1613	CS3 19L2305	
t Func. Pen	ita-Furans				Section and some
0528R2_6					F1:Voltage SIR,E 27.64 339.86
					9.545e+00
%					
					and a Martine of S
ot	****				m m m m m m m m m m m m m m m m m m m
0528R2_6					F1:Voltage SIR,E 27.64 341.8 6.034e+0
.]					
%-					
. 1				and the second	
19.5	50 20.00 20.50 21.00 21.50	22.00 22.50 23.00 23.50 24	00 24.50 25.00 25.50) 26.00 26.50 27.0	00 27.50 28.00
PE6					
0528R2_6 0¬				26.84	F1:Voltage SIR,E 409.793
			24.76		6.500e+00
18					
%-				20.25	27.94
-	19.99			26.35 26.65	27.47
19.01	2.58 20.45 ^{21.04} 21.35 ^{21.4}	23.16	25.44 24.4224.69 25.18 25.	25.87	27.47 27.91
r	20.58 20.45 21.3521.4	⁸ 22.02 22.62 22.86 23.40 23.73	24.4224.05 25.18 25.	SALAN ANALAN	27.74 28.35
r	2.58 20.32 ^{20.45} 21.04 21.35 ^{21.4}	AND MALLA LAA AMAA	MANN M M AV A MAN A H		MAMMWWWWWWWWWWWW



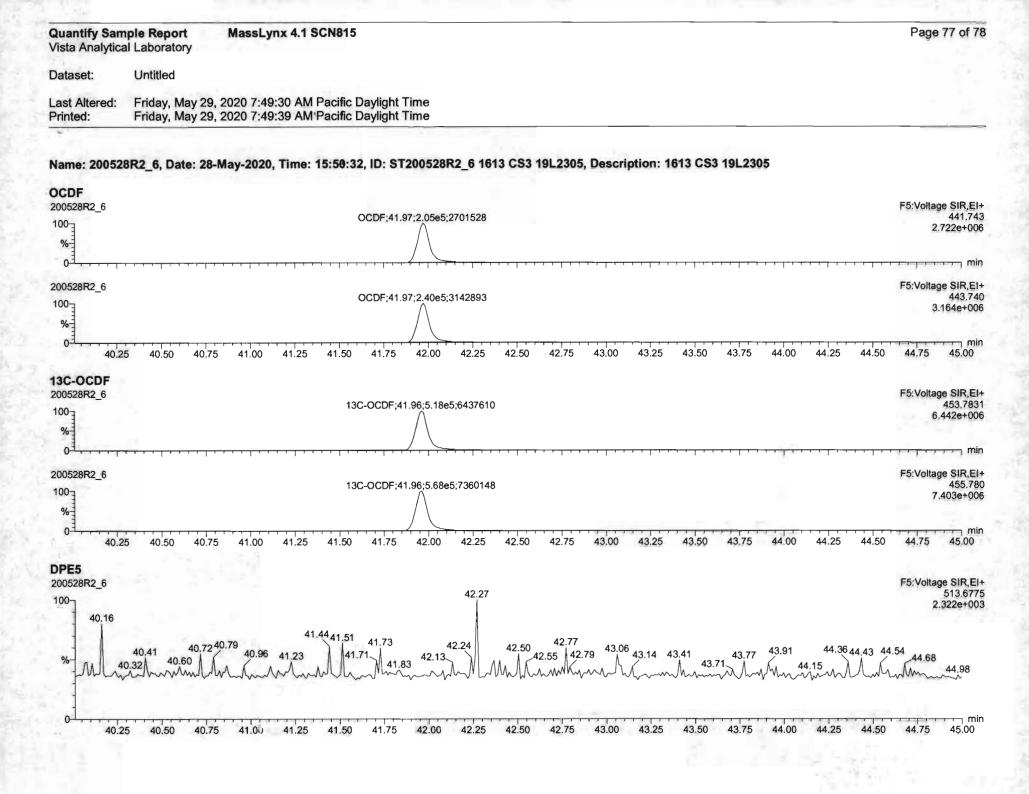
Quantify Sam Vista Analytica		Page 75 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	







Work Order 2001155



rite Edit View Displa, Processing Window Help	
。中国大学家被重新的教育中国地区,在1993年前,有关了和中国社会工作,在1993年,中国社会工作和自己公司提供工作的社会组织。	
filame Resp RA mty RRF webvel RT RKT Conc NiRec Di LiftC 1 2.3.7.6.1000 1.0864 0.31 N/D 0.8623 1.000 25.1% 1.001 1.02 0.0664 10.2	server and a server and the server of the server server and the server of the server of the server of the server
2 1,2.37.8-PHC0D 3.4645 0.62 100 0.0051 1.000 31.53 1.001 51.3 102 0.195 51.3 3 12.3.4,7.8.44,000 3.2565 1.23 NO 1.0034 1.000 34.59 1.000 52.1 104 0.228 52.1	
4 123878-H-CDD 25145 124 NO 0 2527 1000 31.00 1001 48.3 96.6 0 231 46.3	A DESCRIPTION OF A DESC
	which we printed was designed by the printed and the printed of the printed of the printed of the printed of the
7 0CCD 4 53e5 0.88 NO 0.9136 1.000 41.76 1.001 102 0.206 102 8 2.3.7 8.700/ 1.19e5 0.74 NO 0.7510 1.000 25.6% 1.001 9.56 996 0.0613 9.96	
9 12.37.8.0e504 5.72e5 1.57 NO 0.8925 1.600 20.21 1.000 512 162 0.139 512	the second s
11 1,2,2,4,7,8-HxCDF 3.5665 1.21 NO 0.6845 1.000 34/01 1.000 611 100 0.191 51.1	
12 12.3.6.7.8.HxCDF 4.22e5 125 105 0.8552 1.000 34.13 1.000 51.9 104 0.176 51.9 13 2.3.4.8.7.8.HxCDF 3.08e5 1.25 105 0.5341 1.000 34.77 1.000 11.6 104 0.197 51.9	
14 12,37.8,9-HxCD# 2 U8e5 1.22 NO 0.8777 1.000 56.8 1.000 61.1 107 0.291 51.1 15 12,2.x67,5.HxCD# 2.84e5 0.96 NO 0.8734 1.001 51.4 102 0.221 51.4	
18 1.2.3.4.7.6.5.HpCDF 2.00e5 0.98 NO 1.0128 1.000 39.34 1.000 52.7 165 0.258 52.7	Logistic and the second se
17 000F 4.44e5 6.85 HD 0.86e5 1 uno 41 m² 1 uno 1 m² 1 m² <th1 m²<="" th=""> <th1 m²<="" th=""> <th1 m²<="" th=""></th1></th1></th1>	
19 10C-12.37.5-PeCDQ 8.48e5 0.64 100 0.8456 1.00 31.95 (.215 100 100 0.225 20 10C-12.3.4.7.8-PeCDQ 6.04eft 1.27 100 0.756 1.000 34.85 1.014 96.9 86.9 0.162	
21 13C-1.2.3.5.7.5.HIXEDD 6-1565 1.2.3 NO 1.0187 1.000 34.97 1.017 102 102 0.144	
20052972 6	Ffiretage SREE-
1951 [33 192795 779063982 [1613 [53 192765 196] OCDF 41 97 204664 86 2701528	44174 7722e-005
2005/09/2_6 14/10 03/1 19/2 606 01206/29/2_6 16/10 03/1 19/2 890	+ 5 - 6 6 (2014) - 1
CCDF 41 07 235578 58 3142893	3.1648+000
1 al martine and a second and a	
7055832.6	i s withoge Sirgers
1943 037 19.200 3120002842 9 1913 035 191203 100 1 13C-OCDF 41 90.5093953 88 6438689	453.7833 1 4476+000
	000
200520R2_8 1011_C5119L220F37200528R2_61611C53_10L2305	PA vetage StR. En- 405 746
13C-OCDF 41 96:569003 13 7360144	7.4036+000
40.20 40.40 40.60 40.80 41.00 41.20 41.40 41.50 51.80 #2.00 42.20 42.40 42 Reads	50 42.80 43.00 43.20 43.40 42.60 43.86 44.00 44.20 44.00 44.00 64.90 45.00 (20052882,6 CAP NUM
	en 🗇 📴 🗢 🛷 🕕 🗛 💭 - SOS AM 💭

5

	al Laboratory					1 ⁻	
Dataset:	Untitled						
ast Altered: rinted:		29, 2020 7:49:30 AM'Pacific Da 29, 2020 7:49:39 AM Pacific Da					
				-			
lame: 20052	8R2_6, Date: 2	28-May-2020, Time: 15:50:32,	ID: ST200528R2_6 1613 CS3	19L2305, Description: 10	613 CS3 19L2305		
FK1							
00528R2_6	Sec. 1	00.54	122 11 22 74 22 82 23.51 23.6	24.25;6.48e4;301257	25.54 26.77;3.60e3;	;105267 27.14	F1:Voltage SIR,E 27.65 316.98
m E	19.73_19.85	20.54 21.17.21.25 21.95.22.04	22.11 22.74.22.82 23.51 23.6	in this man	23.54	mannin	1.423e+0
%							
0 ⁻¹	50 20.00	20.50 21.00 21.50 22.00	22.50 23.00 23.50 2	24.00 24.50 25.00	25.50 26.00 2	26.50 27.00 27	7.50 28.00
FK2							
0528R2_6	.4 40-5.400000	29.22 29.33 29.50 29.74	29.99_30.03 30.31 30.55	30.72 30.95 31.16	31.36 31.47 31.	.77 31.86 32.00 32.12	32.18 F2:Voltage SIR, I 32.47 366.97
	3;1.16e5;460389	23.22	29.99 30.03 30.31 30.55	30.95		31.00 32.0002.12	1.365e+0
% 28.58							
N							
0	29.75 20.0	0 20 25 20 50 20 75	30.00 30.25 30.50	30.75 31.00 31	25 31 50 3	31 75 32 00	32.25 32.50
	28.75 29.0	0 29.25 29.50 29.75	30.00 30.25 30.50	30.75 31.00 31.	.25 31.50 3	31.75 32.00	32.25 32.50
0 28.50 FK3	28.75 29.0	0 29.25 29.50 29.75	30.00 30.25 30.50	30.75 31.00 31.	.25 31.50 3	31.75 32.00	32.25 32.50
28.50 FK3 20528R2_6		22.64	22.00	30.75 31.00 31. 34 <u>.69</u> <u>34.85</u>			32.25 32.50 F3:Voltage SIR,1
FK3 00528R2_6			22.00			31.75 32.00 35.32 35.46	32.25 32.50 F3:Voltage SIR,t
28.50 FK3 00528R2_6		22.64	22.00				
FK3 00528R2_6	e5;3284728	33.25 33.61 33.71	33.99				32.25 32.50 F3:Voltage SIR,I 35.89 380.97 8.804e+0
0 28.50 FK3 00528R2_6 00 32.82;5.05 % 32.77 32.77 32.	e5;3284728	33.25 33.61 33.71	33.99	34.69 34.85		35.32 35.46	32.25 32.50 F3:Voltage SIR,I 35.89 380.97 8.804e+0
FK3 00528R2_6 0032.82;5.05 32.82;5.05 32.77 32. FK4	e5;3284728	33.25 33.61 33.71	33.99 33.80 34.00 34.20 34	34.69 34.85		35.32 35.46	32.25 32.50 F3:Voltage SIR,t 35.89 380.97 8.804e+0 35.80 36.00
FK3 00528R2_6 0032.82;5.05 32.82;5.05 32.77 32. FK4 00528R2_6	e5;3284728	<u>33.25</u> <u>33.61</u> <u>33.71</u> <u>33.20</u> <u>33.40</u> <u>33.60</u>	33.99	34.69 34.85		<u>35.32 35.46</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	32.25 32.50 F3:Voltage SIR,I 35.89 380.97 35.89 3.804e+0 35.80 36.00 F4:Voltage SIR,I 39.86 430.97
FK3 00528R2_6 0032.82;5.05 032.82;5.05 032.82;5.05 032.77 032.	e5;3284728	<u>33.25</u> <u>33.61</u> <u>33.71</u> <u>33.20</u> <u>33.40</u> <u>33.60</u>	33.99 33.80 34.00 34.20 34 37.79	34.69 34.85 4.40 34.60 34.80	35.00 35.20	35.32 35.46	32.25 32.50 F3:Voltage SIR, 35.89 380.97 35.89 8.804e+(35.80 36.00 F4:Voltage SIR, 39.86 430.97
FK3 00528R2_6 0032.82;5.05 032.85;5.05 032.85;5.05 032.85;5.05 032.85;5.05 032.85;5.05 032.85;5.05	e5;3284728 80 33.00 96.63;6.97e5;2734	33.25 33.61 33.71 33.20 33.40 33.60 873 37.18	33.99 33.80 34.00 34.20 34 37.79 37.88	34.69 34.85 4.40 34.60 34.80 38.43	35.00 35.20 38.86 39.03	<u>35.32 35.46</u> 35.40 35.60 <u>39.34 ^{39.48}</u>	32.25 32.50 F3:Voltage SIR,I 35.89 380.97 0.8046+0 535.80 36.00 F4:Voltage SIR,I 39.86 430.97 39.86 6.349e+0
FK3 00528R2_6 00328R2_6 0032.82;5.05 033.82;5.05 0	e5;3284728 80 33.00 36.63;6.97e5;2734	33.25 33.61 33.71 33.20 33.40 33.60 873 37.18	33.99 33.80 34.00 34.20 34 37.79 37.88	34.69 34.85 4.40 34.60 34.80 38.43	35.00 35.20 38.86 39.03	<u>35.32 35.46</u> 35.40 35.60 <u>39.34 ^{39.48}</u>	32.25 32.50 F3:Voltage SIR,t 35.89 380.97 35.89 8.804e+0 777777777777777777777777777777777777
FK3 00528R2_6 0032.82;5.05 32.82;5.05 32.77 32. FK4 00528R2_6 00 36.24 36.4	e5;3284728 80 33.00 36.63;6.97e5;2734	33.25 33.61 33.71 33.20 33.40 33.60 873 37.18	33.99 33.80 34.00 34.20 34 37.79 37.88	34.69 34.85 4.40 34.60 34.80 38.43	35.00 35.20 38.86 39.03	<u>35.32 35.46</u> 35.40 35.60 <u>39.34 39.48</u>	32.25 32.50 F3:Voltage SIR,E 35.89 8.804e+0 535.80 36.00 F4:Voltage SIR,E 39.86 430.97 39.86 6.340e+0
FK3 5 5 5 5 5 5 5 5	e5;3284728 80 33.00 36.63;6.97e5;2734 0 36.60 3	33.25 33.61 33.71 33.20 33.40 33.60 873 37.18	33.99 33.80 34.00 34.20 34 37.79 37.88	34.69 34.85 4.40 34.60 34.80 38.43	35.00 35.20 38.86 39.03	<u>35.32 35.46</u> 35.40 35.60 <u>39.34 ^{39.48}</u> 9.20 39.40 39.6	32.25 32.50 F3:Voltage SIR,E 35.89 8.804e+0 535.80 36.00 F4:Voltage SIR,E 39.86 430.97 39.86 6.340e+0 50 39.80 40.00
FK3 00528R2_6 0032.82;5.05 32.82;5.05 32.77	e5;3284728 80 33.00 36.63;6.97e5;2734 0 36.60 3 40.48 2.55e5	33.25 33.61 33.71 33.20 33.40 33.60 873 37.18 36.80 37.00 37.20 37.40	33.99 33.80 34.00 34.20 3 37.79 37.88 37.60 37.80 38.00 38	34.69 34.85 4.40 34.60 34.80 38.43 38.43 38.43	35.00 35.20 38.86 39.03 38.80 39.00 39 88.80 39.00 39	<u>35.32 35.46</u> 35.40 35.60 <u>39.34 39.48</u> 9.20 39.40 39.6 44.43 5.15e	32.25 32.50 F3:Voltage SIR,E 35.89 380.97 35.89 380.97 8.804e+0 F4:Voltage SIR,E 39.86 430.97 6.340e+0 F4:Voltage SIR,E 39.86 430.97 6.340e+0 50 39.80 40.00 3 F5:Voltage SIR,E 4 454.97
FK3 5 5 5 5 5 5 5 5	e5;3284728 80 33.00 36.63;6.97e5;2734 0 36.60 3 40.48	33.25 33.61 33.71 33.20 33.40 33.60 873 37.18	33.99 33.80 34.00 34.20 34 37.79 37.88 37.60 37.80 38.00 38	34.69 34.85 4.40 34.60 34.80 38.43 38.43 38.43	35.00 35.20 38.86 39.03 38.80 39.00 39	<u>35.32 35.46</u> 35.40 35.60 <u>39.34 39.48</u> 9.20 39.40 39.6 44.43 5.15e	32.25 32.50 F3:Voltage SIR,E 35.89 380.97 35.89 380.97 8.804e+0 F4:Voltage SIR,E 39.86 430.97 6.340e+0 F4:Voltage SIR,E 39.86 430.97 6.340e+0 50 39.80 40.00 3 F5:Voltage SIR,E 4 454.97

 Quantify Sample Summary Report
 MassLynx 4.1 SCN815

 Vista Analytical Laboratory
 MassLynx 4.1 SCN815

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-8.qld

Last Altered:	Friday, May 29, 2020 7:44:05 AM Pacific Daylight Time
Printed:	Friday, May 29, 2020 7:44:35 AM Pacific Daylight Time

GRB 05/29/2020

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

1000	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.24e5	0.78	NO	0.888	1.000	26.575	26.57	1.001	1.001	11.080	111	0.0262	11.1
2	2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.908	1.000	31.518	31.51	1.001	1.000	56.429	113	0.0622	56.4
3	3 1,2,3,4,7,8-HxCDD	3.86e5	1.22	NO	1.03	1.000	34.879	34.88	1.000	1.000	58.033	116	0.101	58.0
4	4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.892	1.000	34.975	34.99	1.000	1.000	57.963	116	0.105	58.0
5	5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.887	1.000	35.262	35.26	1.000	1.000	57.107	114	0.119	57.1
6	6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.864	1.000	38.799	38.80	1.000	1.000	55.832	112	0.168	55.8
7	7 OCDD	5.15e5	0.88	NO	0.914	1.000	41.759	41.78	1.000	1.001	111.26	111	0.171	111
8	8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.751	1.000	25.671	25.68	1.001	1.001	11.386	114	0.0333	11.4
9	9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.893	1.000	30.236	30.23	1.001	1.001	55.728	111	0.0942	55.7
10	10 2,3,4,7,8-PeCDF	7.50e5	1.54	NO	0.935	1.000	31.222	31.21	1.001	1.000	60.229	120	0.0851	60.2
11	11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.884	1.000	33.984	33.99	1.000	1.000	55.936	112	0.113	55.9
12	12 1,2,3,6,7,8-HxCDF	5.08e5	1.18	NO	0.889	1.000	34.122	34.12	1.000	1.000	56.761	114	0.107	56.8
13	13 2,3,4,6,7,8-HxCDF	4.49e5	1.21	NO	0.934	1.000	34.732	34.71	1.001	1.000	56.468	113	0.117	56.5
14	14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.871	1.000	35.614	35.62	1.000	1.000	55.299	111	0.174	55.3
15	15 1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.873	1.000	37.430	37.40	1.001	1.000	54.506	109	0.182	54.5
16	16 1,2,3,4,7,8,9-HpCDF	2.38e5	1.00	NO	1.01	1.000	39.331	39.34	1.000	1.000	57.740	115	0.198	57.7
17	17 OCDF	5.22e5	0.87	NO	0.806	1.000	41.951	41.96	1.000	1.000	113.77	114	0.201	114
18	18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.16	1.000	26.584	26.54	1.026	1.025	91.859	91.9	0.0837	
19	19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.849	1.000	31.784	31.50	1.227	1.216	88.503	88.5	0.117	- A
20	20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.779	1.000	34.874	34.87	1.014	1.014	88.587	88.6	0.180	8 - I B
21	21 13C-1,2,3,6,7,8-HxCDD	8.41e5	1.26	NO	1.02	1.000	34.987	34.97	1.017	1.017	88.739	88.7	0.138	14
22	22 13C-1,2,3,7,8,9-HxCDD	7.39e5	1.24	NO	0.903	1.000	35.259	35.25	1.025	1.025	87.785	87.8	0.155	S.5 -
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.53e5	1.04	NO	0.689	1.000	38.787	38.79	1.128	1.128	86.116	86.1	0.160	
24	24 13C-OCDD	1.01e6	0.89	NO	0.652	1.000	41.813	41.76	1.216	1.214	166.64	83.3	0.212	100
25	25 13C-2,3,7,8-TCDF	1.73e6	0.77	NO	1.06	1.000	25.623	25.65	0.989	0.990	90.815	90.8	0.116	14 C 1
26	26 13C-1,2,3,7,8-PeCDF	1.35e6	1.61	NO	0.838	1.000	30.163	30.21	1.165	1.167	89.693	89.7	0.169	100
27	27 13C-2,3,4,7,8-PeCDF	1.33e6	1.57	NO	0.817	1.000	31.119	31.19	1.202	1.204	90.666	90.7	0.174	1.5
28	28 13C-1,2,3,4,7,8-HxCDF	8.51e5	0.51	NO	1.01	1.000	34.004	33.98	0.989	0.988	90.589	90.6	0.222	
29	29 13C-1,2,3,6,7,8-HxCDF	1.01e6	0.51	NO	1.17	1.000	34.127	34.11	0.992	0.992	92.509	92.5	0.191	1.00
30	30 13C-2,3,4,6,7,8-HxCDF	8.50e5	0.51	NO	1.02	1.000	34.702	34.70	1.009	1.009	89.276	89.3	0.219	
31	31 13C-1,2,3,7,8,9-HxCDF	7.33e5	0.50	NO	0.860	1.000	35.603	35.61	1.035	1.036	91.476	91.5	0.260	100

Quantify Sample Summary Report MassLynx 4.1 SCN815 Vista Analytical Laboratory MassLynx 4.1 SCN815

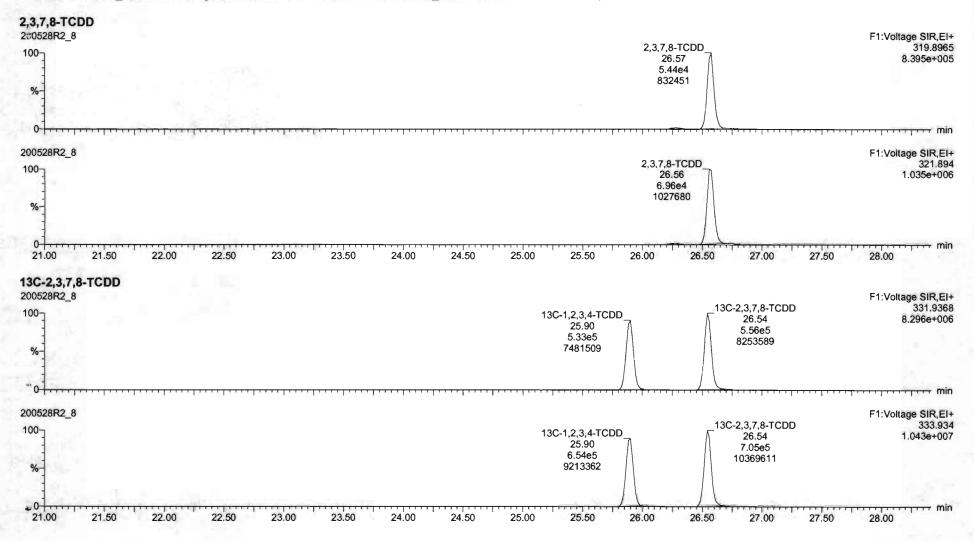
Dataset: U:\VG12.PRO\Results\200528R2\200528R2-8.qld

Last Altered:	Friday, May 29, 2020 7:44:05 AM Pacific Daylight Time
Printed:	Friday, May 29, 2020 7:44:35 AM Pacific Daylight Time

The state	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.33e5	0.43	NO	0.774	1.000	37.353	37.39	1.086	1.087	87.682	87.7	0.235	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.07e5	0.42	NO	0.521	1.000	39.386	39.33	1.145	1.144	83.716	83.7	0.350	
34	34 13C-OCDF	1.14e6	0.88	NO	0.746	1.000	41.985	41.95	1.221	1.220	163.83	81.9	0.148	
35	35 37CI-2,3,7,8-TCDD	1.28e5			1.04	1.000	26.615	26.57	1.028	1.026	10.416	104	0.0149	
36	36 13C-1,2,3,4-TCDD	1.19e6	0.81	NO	1.00	1.000	26.000	25.90	1.000	1.000	100.00	100	0.0967	
37	37 13C-1,2,3,4-TCDF	1.80e6	0.79	NO	1.00	1.000	24.360	24.22	1.000	1.000	100.00	100	0.123	
38	38 13C-1,2,3,4,6,9-HxCDF	9.32e5	0.51	NO	1.00	1.000	34.420	34.39	1.000	1.000	100.00	100	0.223	

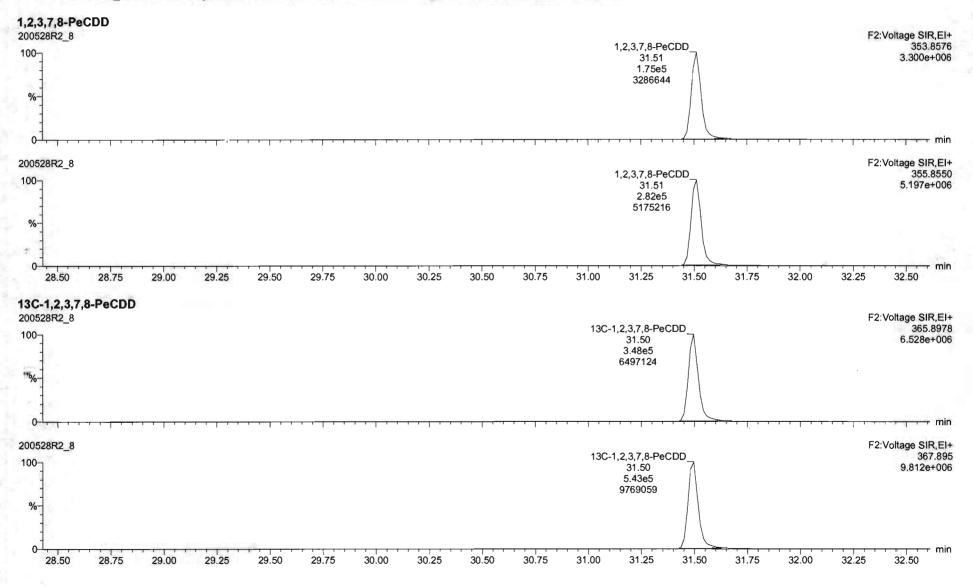
Quantify Sam Vista Analytica		Page 1 of 13
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:38:11 AM Pacific Daylight Time Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time	

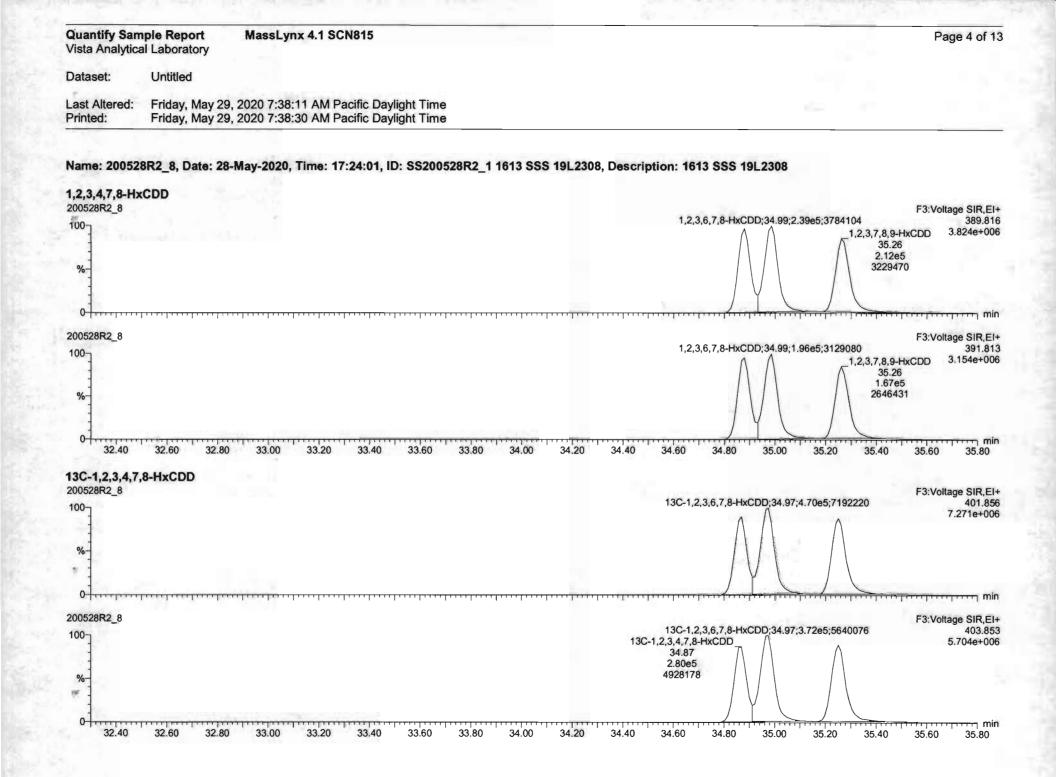
Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08



Vista Analytica	nple Report al Laboratory	MassLynx 4.1 SCN815			Page 2 of 1
Dataset:	Untitled				
ast Altered: Printed:	Friday, May 29, 3 Friday, May 29	2020 7:38:11 AM Pacific Daylight Time 2020 7:38:30 AM Pacific Daylight Time			
				1. 19 19 19	1
lame: 20052	8R2_8, Date: 28-M	May-2020, Time: 17:24:01, ID: SS2005	528R2_1 1613 SSS 19L2308, Description: 1613	SSS 19L2308	
7CI-2,3,7,8-T	TCDD			Section South	F1:Voltage SIR,E
1007			37Cl-2,3,7 26.	.57	327.84 1.944e+00
1000			1.28	8e5	
1				and the second sec	
%-					
1.50					
12. 10					
er -					
12.00					
0 21.00 2	21.50 22.00	22.50 23.00 23.50 24	0.00 24.50 25.00 25.50 26.00	26.50 27.00 27.50	28.00
21.00 2		22.50 23.00 23.50 24	0.00 24.50 25.00 25.50 26.00	26.50 27.00 27.50	28.00
21.00 2 1 3C-1,2,3,4-T 200528R2_8		22.50 23.00 23.50 24			28.00 F1:Voltage SIR,E
21.00 2 1 3C-1,2,3,4-T 200528R2_8		22.50 23.00 23.50 24	13C-1,2,3,4-TCDD 25.90	_13C-2,3,7,8-TCDD √ 26.54	28.00 F1:Voltage SIR,E 331.936
21.00 2 1 3C-1,2,3,4-T 200528R2_8		22.50 23.00 23.50 24	13C-1,2,3,4-TCDD	13C-2,3,7,8-TCDD	F1:Voltage SIR,E 331.936 8.296e+00
21.00 2 3 C-1,2,3,4-T 200528R2_8		22.50 23.00 23.50 24	13C-1,2,3,4-TCDD_ 25.90 5.33e5	13C-2,3,7,8-TCDD 26.54 5.56e5	28.00 F1:Voltage SIR,E 331.936
21.00 2 3 C-1,2,3,4-T 000528R2_8		22.50 23.00 23.50 24	13C-1,2,3,4-TCDD_ 25.90 5.33e5	13C-2,3,7,8-TCDD 26.54 5.56e5	28.00 F1:Voltage SIR,E 331.93 8.296e+0
21.00 2 3C-1,2,3,4-T 200528R2_8 100 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		22.50 23.00 23.50 2 ⁴	13C-1,2,3,4-TCDD_ 25.90 5.33e5	13C-2,3,7,8-TCDD 26.54 5.56e5	28.00 F1:Voltage SIR,E 331.934 8.296e+00
21.00 2 3C-1,2,3,4-T 200528R2_8 100 0 200528R2_8		22.50 23.00 23.50 24	13C-1,2,3,4-TCDD 25.90 5.33e5 7481509	13C-2,3,7,8-TCDD 26.54 5.56e5 8253589 13C-2,3,7,8-TCDD	28.00 F1:Voltage SIR,E 331.936 8.296e+00 m F1:Voltage SIR,E 333.93
21.00 2 3C-1,2,3,4-T 200528R2_8 100 0 200528R2_8		22.50 23.00 23.50 2 ²	13C-1,2,3,4-TCDD 25.90 5.33e5 7481509	13C-2,3,7,8-TCDD 26.54 5.56e5 8253589 	28.00 F1:Voltage SIR,E 331.93 8.296e+00 m F1:Voltage SIR,E 333.9
21.00 2 3C-1,2,3,4-T 200528R2_8 100 		22.50 23.00 23.50 24	13C-1,2,3,4-TCDD 25.90 5.33e5 7481509	13C-2,3,7,8-TCDD 26.54 5.56e5 8253589 	28.00 F1:Voltage SIR,E 331.936
21.00 2 3C-1,2,3,4-T 200528R2_8 100 0 200528R2_8		22.50 23.00 23.50 2 ²	13C-1,2,3,4-TCDD 25.90 5.33e5 7481509 13C-1,2,3,4-TCDD 25.90 6.54e5	13C-2,3,7,8-TCDD 26.54 5.56e5 8253589 	28.00 F1:Voltage SIR,E 331.936 8.296e+00 m F1:Voltage SIR,E 333.93

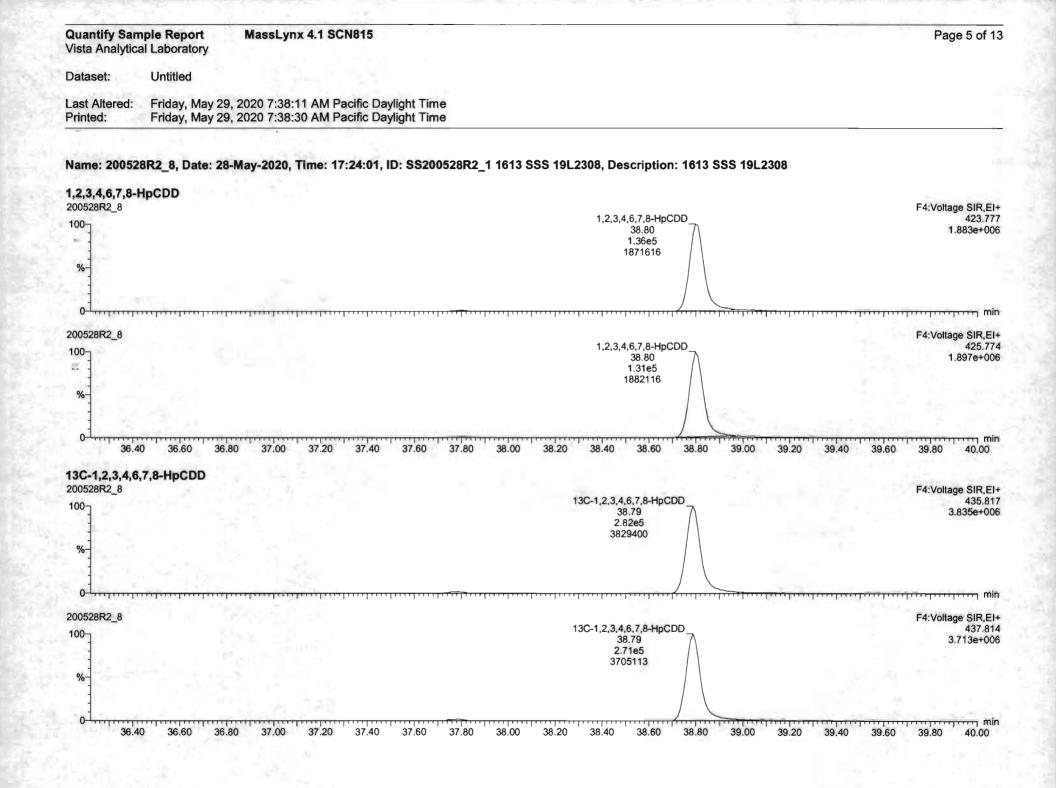
Quantify Sam Vista Analytica		Page 3 of 13
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:38:11 AM Pacific Daylight Time Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time	



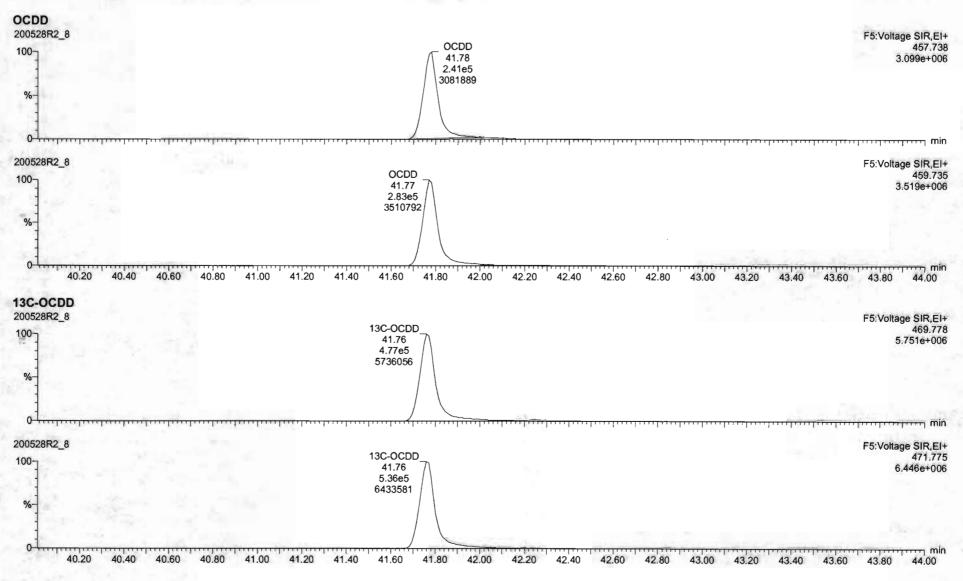


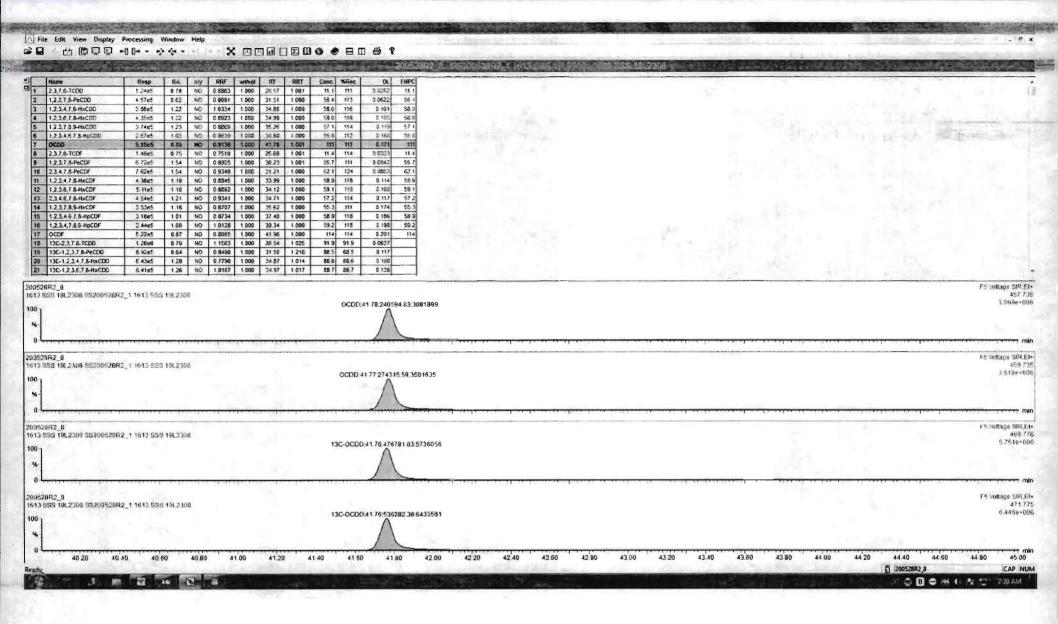
☆File Łdt. View Depley Processing Window Help 多日 世間東京+81☆・☆☆・ - X四四月(夏田今参日四番)?	912308-1813 SSS 1912308	
Name Resp RA nty RSF watvoi RT RST Conc SARc DL EMPC 1 2.3.7.6.1CDD 1.2xe5 0.76 WO 0.6883 1.000 26.57 1.001 11.1 11.1 0.0252 11.1 2 1.2.3.7.8-PeCDD 4.57e5 0.62 NO 0.00051 1.000 31.51 1.000 56.4 11.3 0.6522 56.4 3 1.2.3.4.7.8-MxCDD 2.86e5 1.22 NO 1.0334 1.900 34.86 1.000 56.0 11.6 0.101 58.0 4 1.7.3.6.7-MxCDD 2.86e5 1.22 NO 0.8331 1.900 34.86 1.000 58.0 11.6 0.101 58.0 5 1.2.3.4.7.8-MxCDD 3.74e5 1.02 MO 0.8539 1.900 55.6 1.001 58.0 11.6 0.165 58.0 7 OCCD 2.37.8-TCDF 1.46e5 0.75 NO 0.7510		
11 1.2 2.4 7.8 1.19 NO 0.2845 1.900 3.3 9.9 1.000 58.9 115 0.114 58.6 12 1.2.2.6.7 8.4xCDF 5.116 1.18 NO 0.8852 1.000 58.9 115 0.114 58.6 12 1.2.2.6.7 8.4xCDF 5.116 1.18 NO 0.8852 1.000 52.1 116 0.106 59.1 13 2.3.4.6.7 8.4xCDF 5.3365 1.18 NO 0.8872 1.000 2.5 1.11 0.117 55.3 14 1.2.3.4.7 6.7.8.4xCDF 3.1665 1.18 NO 0.8734 1.000 2.5 1.11 0.174 55.3 15 1.2.3.4.7 7.8.4xCDF 2.3465 1.16 1.00 8.741 1.000 59.2 115 0.166 58.9 16 1.2.3.4.7 6.7.8.4xCDF 2.4465 1.00 1.000 59.2 118 0.182 59.		
0052882_8 613 SSE 19L2308 5520092882_1 1613 SBS 19L2305 4 0	12.3.7.8 944cDD 35.26 200713.00 34.98 34.99 200713.00 32.19912	F3 \ollage SIR E1 389 #16 3 424e+000
00523R2_8 813 3551 19L2 306 95200-126R2_1 1013 555 10L2308 00 %-	123789+bcDD 3626 3483 3499 16744955 2646431	F3 Vottage SiR Bit 39 81 3 154e+005
00 00528R2_8 013 955 196.2100 55200528R2_1 1613 558 196.2768 00 %	34.87 3497 13C-12.3.7.8.944kC	F3 voltage SB7E1+ 401.55 DD:35 25:408792 22.6252647 7 271e+008
0 0052862_8 613 355 10L2006 5520052882_1 1613 555 15L2308 100 54	34.87 34.97 13C-1.2.3 7.8 9+HtC	F 3 Voltage SIR E1- #0.362 DO:35 25.329930 78 5028975 \$7046-006

3

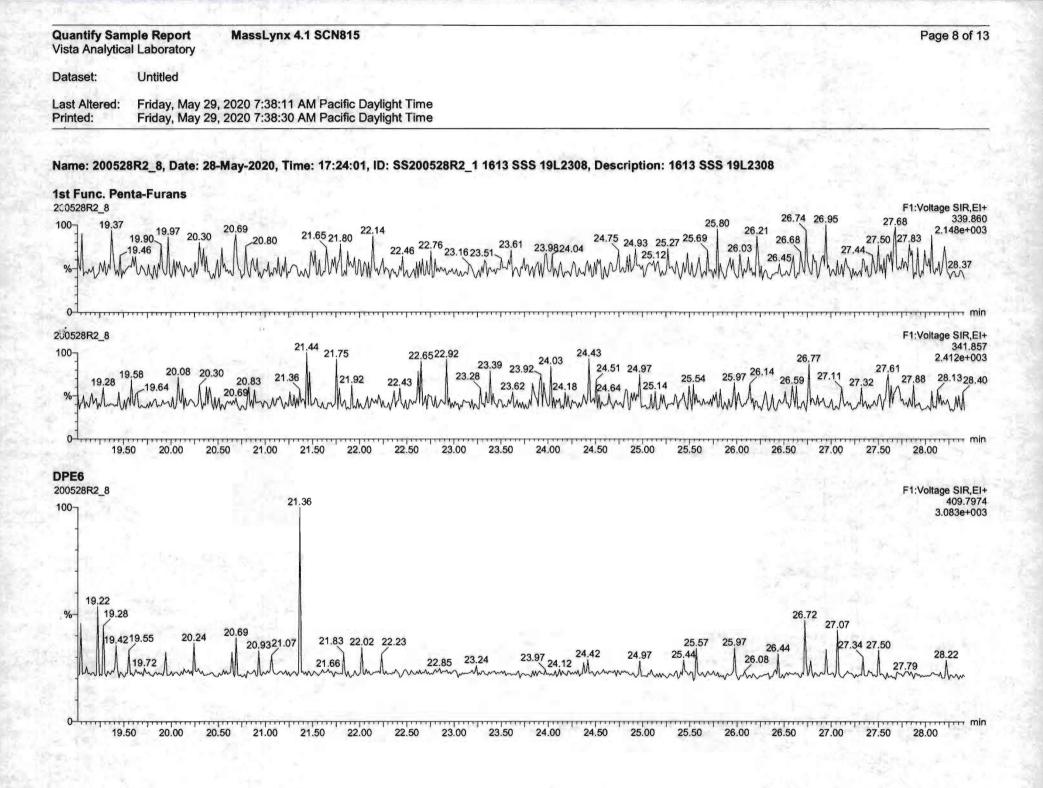


Quantify San Vista Analytica		MassLynx 4.1 SCN815	Page 6 of 13
Dataset:	Untitled		
Last Altered: Printed:		9, 2020 7:38:11 AM Pacific Daylight Time 9, 2020 7:38:30 AM Pacific Daylight Time	

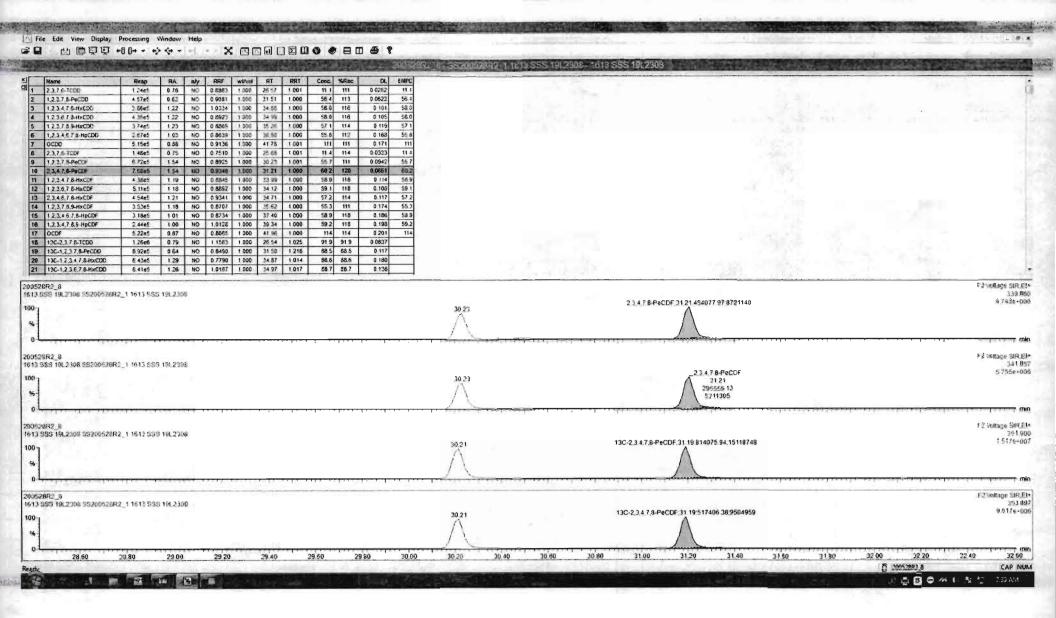


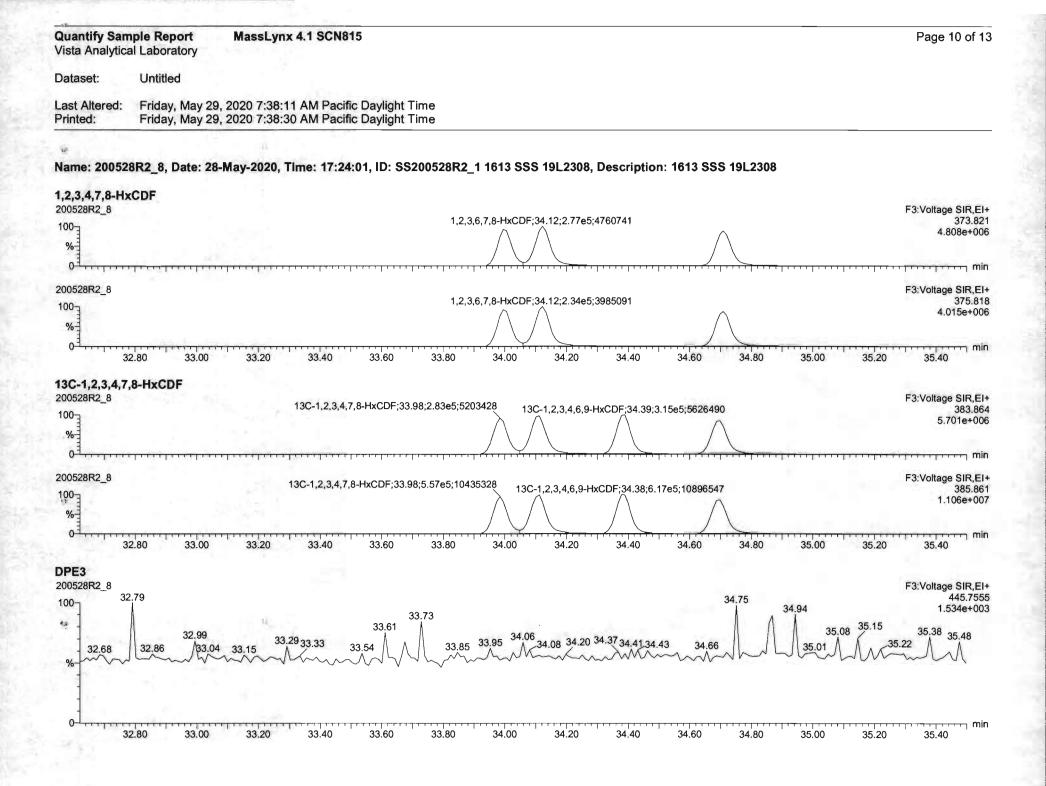


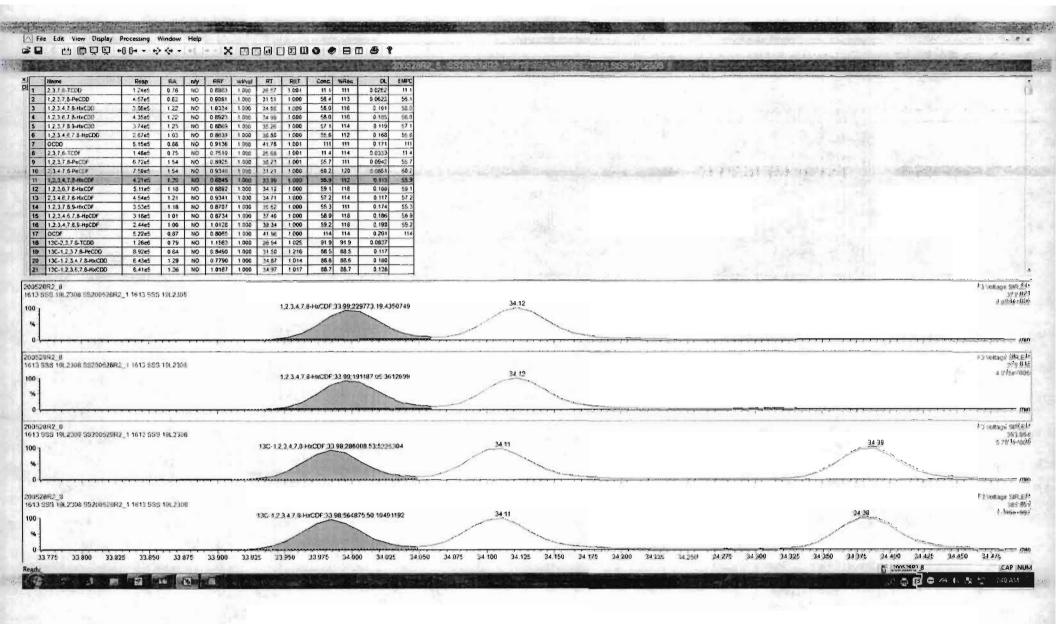
	nple Report MassLynx 4.1 SC al Laboratory	N815			Page 7 of ²
itaset:	Untitled				
st Altered:	Friday, May 29, 2020 7:38:11 AM Pa Friday, May 29, 2020 7:38:30 AM Pa				
				C	
me: 200528	8R2_8, Date: 28-May-2020, Time: 17	2:24:01, ID: SS200528R2_1 1613 SSS 191	2308, Description: 1613 SS	SS 19L2308	
8,7,8-TCDF	a tha tha an tha an a				E1:Voltage SIP
0528R2_8			2,3,7,8-TCDF		F1:Voltage SIR, 303.90
% 0			25.68 6.35e4 897654	L	9.043e+0
0528R2_8	water the standard for the standard stand Standard standard stand				F1:Voltage SIR,I
0-I			2,3,7,8-TCDF 25.68		305.8 1.201e+0
%-			8.44e4 1189668		
0 ^{.∃} 19.5	50 20.00 20.50 21.00 21.50	22.00 22.50 23.00 23.50 24.00	***************************************	26.00 26.50 27.00	27.50 28.00
		2000 2000 2000 2000		20,000 20,000 20,000	20.00
C-2,3,7,8-T 0528R2_8	CDF				F1:Voltage SIR,
0 -		13C-1,2,3,4-TCDI 24.22	- 13C-2,3,7,8-TCDF		315.94 1.010e+0
6		7.94e5 9427791	7.54e5 10024606		
0.4				, , , , , , , , , , , , , , , , , , , 	ט יייןייייזיייויייס אייייעייי
0528R2_8		13C-1,2,3,4-TCDF;24.22;1.00e6;119197	13C-2,3,7,8-TCDF		F1:Voltage SIR,I 317.9
			25.65 9.75e5		1.313e+0
%-			13037504		10.011111111111111111111111111111111111
0 1,, 19.5	50 20.00 20.50 21.00 21.50	22.00 22.50 23.00 23.50 24.00	24.50 25.00 25.50	26.00 26.50 27.00) 27.50 28.00
'E1					
0528R2_8	21.10				F1:Voltage SIR,
0-]	21.10 				375.83 2.097e+(
19.10 19	9.45			26.65	
11	20.02 20.86	23.79 1.75 ^{22.02} 22.43 22.80 23 26 20 57 2	4.18 24.63 25.18	26.57	27.35 27.59 28.20
	19.82 20.48 20.69 21.26 2 19.82 20.48 20.69 21.26 2 19.82 21.54		4.18 24.63 25.18 25.56	25.71 26.45 26.90	28.16 28.37
%- 19.15		A MARKEN AND AND AND MARKANOPAN		m. number have a house of the second	mon man man March
%-19.15					
Mannah					

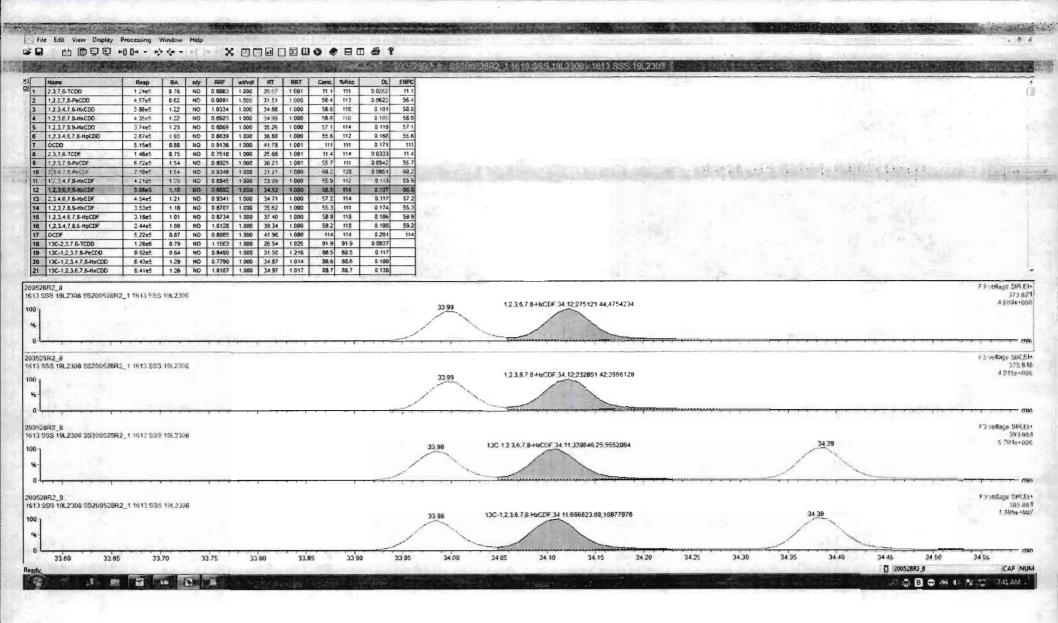


/ista Analytica	nple Repo al Laborate		MassLyr	1x 4.1 SC	N815									6		Page 9 of 1
Dataset:	Untitled															
ast Altered: Printed:			2020 7:38: 2020 7:38:													
lame: 200528 ,2,3,7,8-PeCl		ate: 28-N	lay-2020,	Time: 17	':2 4 :01, II	D: SS2005	28R2_1 1	613 SSS ⁻	19L2308,	Descripti	on: 1613 \$	SSS 19L2	308			
00528R2_8					1,	2,3,7,8-PeCI	DF;30.23;4.0)7e5;7098455	5 2	,3,4,7,8-PeCl 31.21 4.62e5 8747625					F2	Voltage SIR,E 339.8 8.788e+00
01,,,,,			*****					- , , -, ,								
00528R2_8					1,	2,3,7,8-PeC[DF;30.23;2.6	5e5;4636111	1 2	3,4,7,8-PeCl 31.21 3.00e5					F2.	Voltage SIR,E 341.88 5.755e+00
0 28.50	28.75	29.00	29.25	29.50	29.75	30.00	30.25	30.50	30.75	5730780	31.25	31.50	31.75	32.00	32.25	32.50 m
00528R2_8															F2	Voltage SIR, E
%					13C-1	,2,3,7,8-PeC	DF;30.21;8.	33e5;144150		3,4,7,8-PeCE 31.19 8.04e5 5089036					F2	351.9 1.517e+0
%		-,_, , ,			13C-1	,2,3,7,8-PeC	DF;30.21;8.	33e5;144150		31.19 8.04e5			• • • • • • •	<u></u>		351.9 1.517e+0
% 0			н. Ц	- 			\bigwedge	· · · · · · ·	1	31.19 8.04e5	<u> </u>		•••••••••			351.9 1.517e+0
% 0 0 528 R2_8 %							\bigwedge	33e5;144150	1 	31.19 8.04e5 5089036	<u> </u>					351.9 1.517e+0 Voltage SIR,E 353.8 9.617e+0
% 0 0 0 0 0 0 2 8.50	28.75	29.00	, , , , , , , , , , , , , , , , , , ,	29.50			\bigwedge	· · · · · · ·	1 	31.19 8.04e5 5089036 3,4,7,8-PeCE 31.19 5.09e5	<u> </u>	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	32.00		351.9 1.517e+0 Voltage SIR,E 353.8 9.617e+0
0 ⁴	28.75	29.00				1,2,3,7,8-Pe(CDF;30.21;5	.19e5;88788	1 87 13C-2,	31.19 8.04e5 5089036 3,4,7,8-PeCE 31.19 5.09e5 9559629			, , , , , , , , , , , , , , , , , , ,	32.00 32.17 2.22e2 4095	F2 32.25 F2	Voltage SIR,E 351.9 1.517e+0 Voltage SIR,E 353.8 9.617e+0 32.50 Voltage SIR,E 409.79 4.842e+0
% 0 0 0 0 0 0 2 8 0 0 2 8 0 0 0 2 8 0 0 0 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0	28.75	29.00	29.25			1,2,3,7,8-Pe(CDF;30.21;5	.19e5;88788	1 87 13C-2,	31.19 8.04e5 5089036 3,4,7,8-PeCE 31.19 5.09e5 9559629			, , , , , , , , , , , , , , , , , , ,	32.17 2.22e2	F2 32.25 F2	351.9 1.517e+0 Voltage SIR,E 353.8 9.617e+0 32.50 Voltage SIR,E 409.79
% 0 0 0 0 0 0 28.50 PE2 00528R2_8 00 0 0 28.50 PE2 00528R2_8	28.84	29.00				1,2,3,7,8-Pe(CDF;30.21;5	.19e5;88788	1 87 13C-2, 30.75	31.19 8.04e5 5089036 3,4,7,8-PeCE 31.19 5.09e5 9559629		31.50		32.17 2.22e2	F2 32.25 F2	351.9 1.517e+0 Voltage SIR,E 353.8 9.617e+0

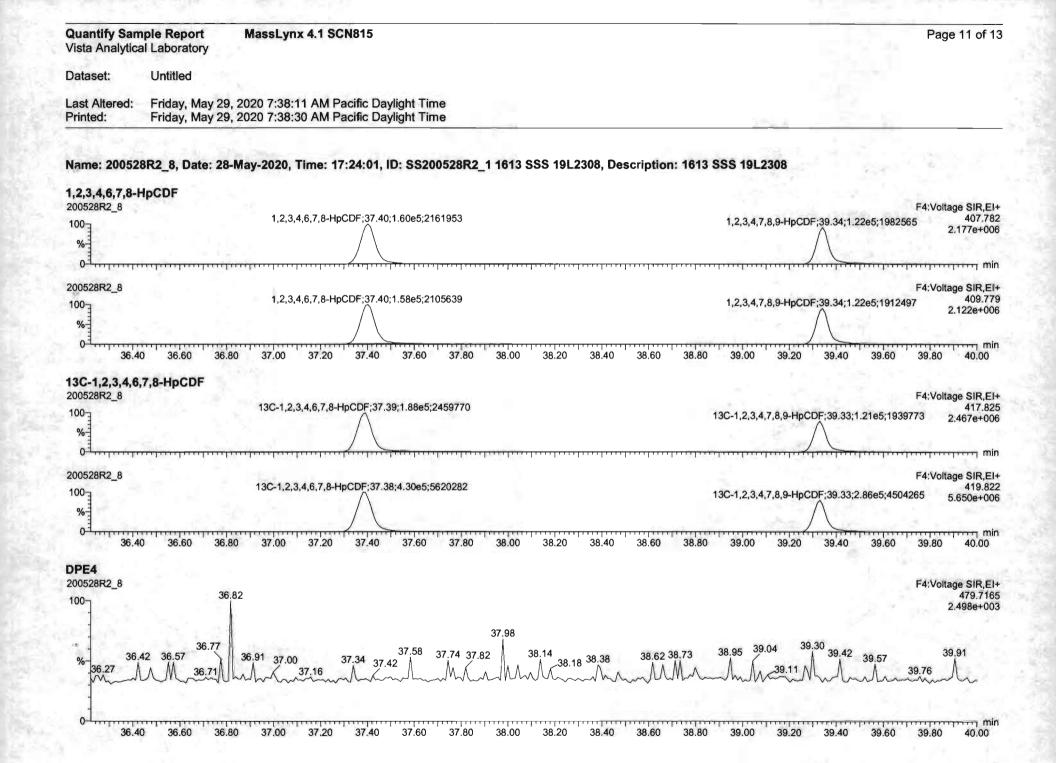


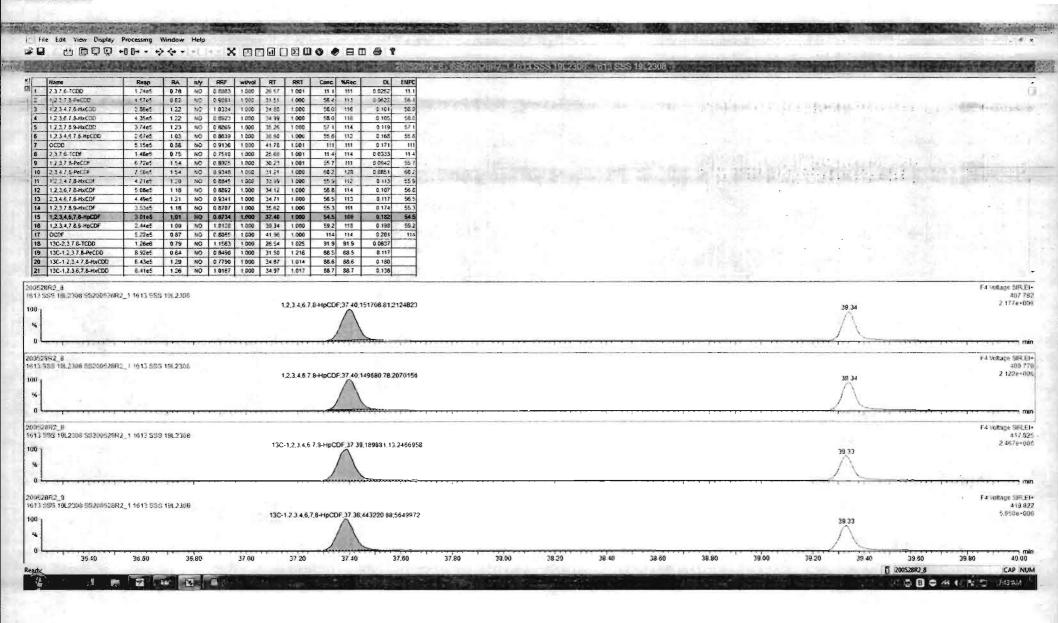


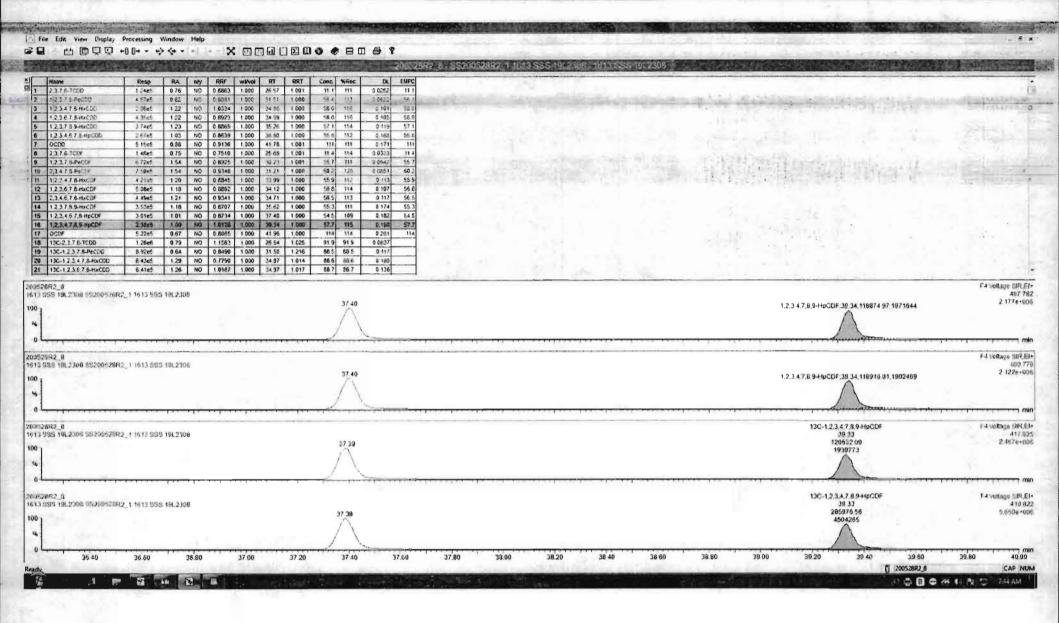


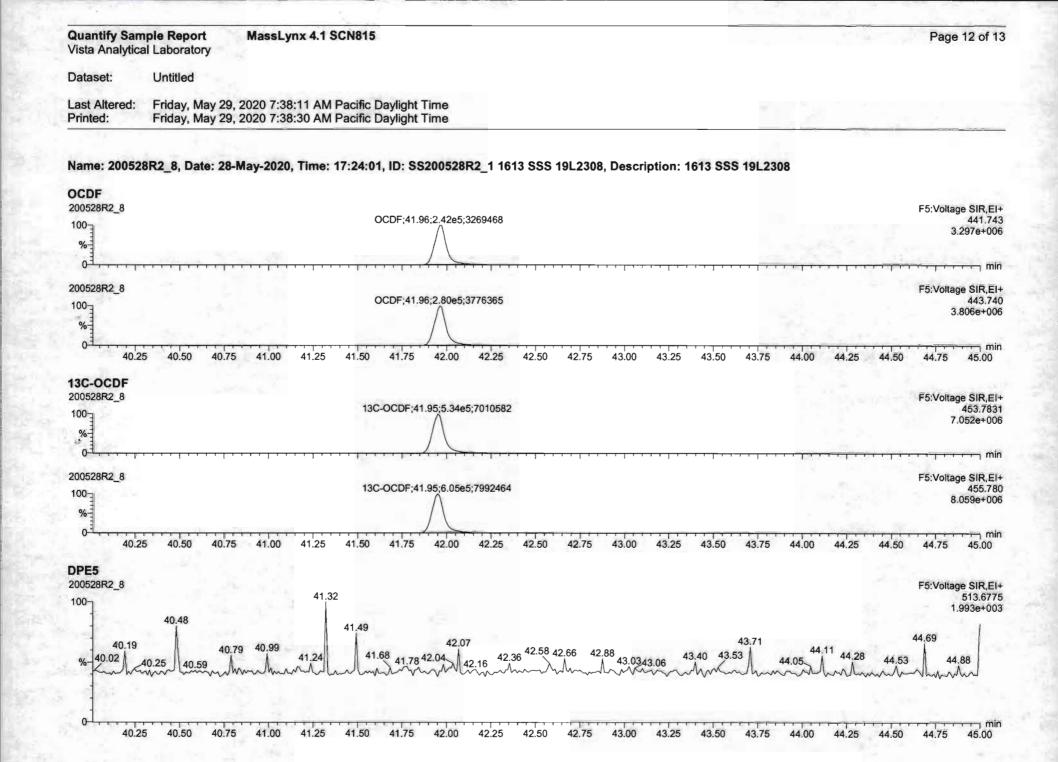


File Edit View Display		2000 * C 0 & ?			- A
的目的是自己的问题。	医神经后外神经神经治疗治疗学习的	201520R2 8-050	0052852 1 053 555 10 2509 1813 355 1912008	自己的保存的问题和实际的问题。	
Mame 1 2.3.7.6-TCOD 2 1.2.3.7.8-PECDD 3 1.2.3.4.7.6-MLCDD 3 1.2.3.4.7.6-MLCDD 4 1.2.3.8.7.8-MLCDD 4 1.2.3.8.7.8-MLCDD 5 1.2.3.7.8-MLCDD 5 1.2.3.7.8-MLCDD 5 1.2.3.7.8-MLCDD 6 1.2.3.4.6.7.8-MLCDD 7 0CDD 7 0CDD 7 0CDD	Resp RA my RFF wheel RT 1.3/4e5 0.76 NO 0.580.1 1.000 28.57 4.57e5 0.62 NO 0.5908.1 1.000 28.57 5.56e5 1.52 NO 1.0324 1.000 24.85 4.57e5 0.62 NO 0.5522 1.000 24.84 4.56e5 1.22 NO 0.5522 1.000 24.89 2.74e5 1.23 NO 0.5569 1.300 35.28 2.67e5 1.03 NO 0.8569 1.300 35.28 2.67e5 1.03 NO 0.869 1.300 35.28 5.15e5 0.38 NO 0.9136 1.000 41.78	RRT Cenc. %Rec. DL EMPC 1.001 11 111 0.0262 111 1.000 55.4 113 0.0622 56.4 1.001 56.0 116 0.101 58.0 1.000 58.0 116 0.101 58.0 1.000 58.0 116 0.105 58.0 1.000 55.4 114 0.19 57.1 1.000 55.6 112 0.186 55.6 1.001 111 111 0.171 111			<u>.</u>
8 237.5.TCP 9 123.7.8.PeCDF 10 314.7.8.PeCDF 11 123.4.7.8.PeCDF 12 123.6.7.8.HexCDF 13 23.4.6.7.8.HexCDF 14 12.3.7.8.PexCDF 15 123.4.6.7.8.HexCDF 16 123.4.7.8.HexCDF 17 0CDF 18 13C-12.3.7.8.PeCDD 19 13C-12.3.7.8.PeCDD	1 4845 0.75 NO 0.7510 1.000 22.88 6 72e5 1.54 NO 0.8925 1.000 20.21 7 10e5 1.54 NO 0.9486 1.000 27.21 4.74e5 1.54 NO 0.9486 1.000 27.21 4.74e5 1.00 0.9486 1.000 2.73 5.05e5 1.16 NO 0.8584 1.000 2.74 4.46e5 1.21 NO 0.8584 1.000 34.12 4.46e5 1.21 NO 0.8541 1.000 34.72 3.53e5 1.81 NO 0.8741 1.000 35.74 3.53e5 1.81 NO 0.8734 1.000 37.40 2.44e5 1.00 NO 1.8724 1.000 37.40 3.44e5 1.00 NO 0.8655 1.000 31.94 3.22e5 0.87 NO 0.8655 1.000 21.94 3.52e6 0.75 </td <td>1001 11.4 114 0.033.3 11.4 1001 58.7 111 0.0642 55.7 1000 46.2 120 0.0641 60.2 1000 55.8 112 0.133 55.5 1000 55.8 114 0.107 56.5 1000 55.8 114 0.117 56.5 1000 55.3 111 0.142 55.3 1000 55.3 118 0.185 58.9 1000 55.3 118 0.185 58.2 1000 55.2 118 0.185 58.9 1000 144 114 9.201 114 1025 91.9 91.9 0.0637 114 1216 86.8 68.5 6.3 117</td> <td></td> <td></td> <td></td>	1001 11.4 114 0.033.3 11.4 1001 58.7 111 0.0642 55.7 1000 46.2 120 0.0641 60.2 1000 55.8 112 0.133 55.5 1000 55.8 114 0.107 56.5 1000 55.8 114 0.117 56.5 1000 55.3 111 0.142 55.3 1000 55.3 118 0.185 58.9 1000 55.3 118 0.185 58.2 1000 55.2 118 0.185 58.9 1000 144 114 9.201 114 1025 91.9 91.9 0.0637 114 1216 86.8 68.5 6.3 117			
20 13C-17,347,8-bxCDD 21 13C-1,2,36,7,8-bxCDD	8 43e5 1 29 NO 0 7790 1 000 34 87 6.41e5 1 26 NO 1 0167 1 000 34 97	1014 86.6 88.6 0 180 1017 88.7 86.7 0 136		and the second s	
200526R2_8 1610 SS9 18L2308 SS200428R3 100 0	2_1 1613 555 191,2308	33,99 34.12	2.3.4.6.7.8-HiCDF 34 71.245196 91 4200346	35.62	F 1- Mage SIR E1- 373 821 4 503e-000
20052942_8 1613 555 19L2308 55200526R 100 %	1_1 1013 SS5 19L2108	33.99 34.12	2 3.4 6.7 8 +bcDF.34.71:203405 05.3491440	35.62	F 3 %Rage SIR.E1 375 8 15 4 0 15e+005
20052882_8 1013 955 10L2300 5520052982 100 5	2_1 1613 559 18L2308	33,99 24 11	13C-2.3.4.6.7.8+bcDF 34.70 34.39 4.795679	3561	FD vertage SiREF4 363.894 5.70 fe+0ad
200528R2_8 1613 593 19L2308 55200528R2 100	2_1 1613 588 19(.2306	33.98 54,11	34.38 13C-2.3.4.6.7,8+1xCDF;34.70.564802.75,9391165	35.61	FiveRage SUR. Ef- 385.861 1.1954-007
S.				\wedge	
32 70 32 80 32 0 Read:	ao 23.00 33.10 32.20 22.30 33.40 33.4	50 33 80 33.70 33.80 33 90 34 00 34 10 3	34.20 34.30 34.40 34.50 34.60 34.70 34.80 34.90 35		35 80 35 90 35 89 26 10 26 20 20052892 8 CAP NUM CAP NUM CAP NUM CAP NUM









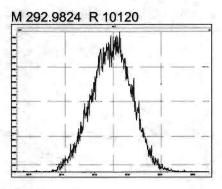
sta Analytica	aple Report MassLynx 4.1 SCN815 Page 1: al Laboratory	3 of 1
ataset:	Untitled	
st Altered: inted:	Friday, May 29, 2020 7:38:11 AM Pacific Daylight Time Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time	
	PD2 8 Deter 29 May 2020 Times 17:24:01 ID: \$5200529D2 1 1612 555 101 2209 Deparintion: 1612 555 101 2209	
ime: 20052	8R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308	
K1		
0528R2_8	19.96 20.42 20.87 21.19 21.51 21.68 22.26 22.44 23.86;1.06e4;165347 24.96;9.69e3;132157 25.68 25.85 26.30 26.48 27.5227.79 3 19.96 20.42 20.87 21.19 21.51 21.68 22.26 22.44 22.68 23.86;1.06e4;165347 24.96;9.69e3;132157 25.68 26.30 26.48 26.95 27.5227.79 3 19.96 20.42 20.87 21.19 21.51 21.68 27.5227.79 3	SIR,E 16.98
···· [0	June 20.42 20.07 21.19 - 10 22.20 22.00 22.00	6ê+0
%		
0 ⁻¹ ,,19., 19.,	50 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27.50 28.00	n
K2 0528R2_8	F2:Voltage	
0-] 0-]	28 96:1 51e5:344216 29.22 20 57 29 71 20 05 30.03 30.34 30.61;2.46e4;205747 20 92 21 08 31.18 21 40 31.60 21 07 22 24 32 37 32 41 3	66.97
1	29.53 29.57 25.17 29.50 01.50 0	ide+C
-	28.75 29.00 29.25 29.50 29.75 30.00 30.25 30.50 30.75 31.00 31.25 31.50 31.75 32.00 32.25 32.50	
28.50 K3 0528R2_8	F3:Voltage	SIR,I 80.97
28.50 K3 0528R2_8	F3:Voltage	SIR,I 80.97
28.50 K3 0528R2_8	F3:Voltage 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.68	SIR,I 80.97 33e+C
28.50 K3 0528R2_8 0 32.63 0 32.63 0 32.32	F3:Voltage 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.68	SIR,I 80.97 33e+C
28.50 K3 0528R2_8 0 32.63 	F3:Voltage 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.68 80 33.00 33.20 33.40 33.60 33.60 33.60 33.80 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.20 35.40 35.40 35.60 35.60 35.80	SIR,E 80.97 33e+0 n 36.00
28.50 K3 0528R2_8 0 32.63 0 32.63 0 32.63 K4 0528R2_8	F3:Voltage 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.68 30.0 33.20 33.40 33.60 33.80 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.20 35.40 35.60 35.60 35.80 5.80	SIR,I 80.97 33e+0 36.00 SIR,I 30.97
28.50 K3 0528R2_8 0 32.63 	F3:Voltage 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.68 30.0 33.20 33.40 33.60 33.80 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.20 35.40 35.60 35.60 35.80 4 39.35;2.18e5;1332689 39.60 F4:Voltage F4:Voltage 4 39.35;2.18e5;1332689 39.60 F4:Voltage 4 39.35;2.18e5;1332689 39.60 F4:Voltage 4 39.35;2.18e5;1332689 39.60 F4:Voltage 4 39.35;2.18e5;1332689 39.60 5 5 5 5 5 5 5 5 5 5 5 5 5	SIR,I 80.97 33e+0 36.00 SIR,I 30.97
28.50 K3 0528R2_8 0 32.63 6 32.63 6 32.63 6 32.63 6 32.63 6 32.63 6 32.63 6 32.63 6 32.63 6 32.63 6 32.63 6 32.63 6 6 6 6 6 6 6 6 6 6 6 6 6	F3:Voltage 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.68 30.0 33.20 33.40 33.60 33.80 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.20 35.40 35.60 35.60 35.80 5.80	SIR,I 80.97 33e+0 36.00 SIR,I 30.97
28.50 K3 0528R2_8 0 32.63 K4 0528R2_8 0 32.63 K4 0528R2_8 0 32.63 K4 0528R2_8 0 32.63 K4 0528R2_8 0 32.63 K3 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 32.63 K4 0 36.22 K4 0 36.22 K4 0 S S S S S S S S	F3: Voltage 33.12:8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.54 35.54 35.54 35.54 35.54 35.85 8.68 36 37.17 37.55 37.84 38.28 38.40 38.28 38.40 38.25 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 4 6.36 4 6.36 4 6.36 4 6.36 4 6.36 4 6.36 4 6.36 4 6.36 4 6.36 4 6.36 4 6.36 4 6.36 4 6.36 5 5 5 5 5 5 5 5 5 5 5 5 5	SIR,I 80.97 33e+(33e+(336.00 SIR,I 30.97 57e+(
28.50 FK3 0528R2_8 0 32.63 FK4 0528R2_8 0 FK4 0528R2_8 0 FK4 0528R2_8 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK3 0 FK4 0 FK4 0 FK4 0 FK4 0 FK4 0 FK4 0 FK4 0 FK4 0 FK4 FK4 0 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK4 FK6 FK4 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6 FK6	F3: Voltage 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.54 35.54 35.54 35.54 35.54 35.85 8.68 36 37.17 37.55 37.84 38.28 38.40 38.25 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 4.60 39.35;2.18e5;1332689 39.60 4.60 39.35;2.18e5;1332689 39.60 4.60 39.35;2.18e5;1332689 39.60 4.60 39.35;2.18e5;1332689 39.60 4.60 39.35;2.18e5;1332689 39.60 4.60 39.35;2.18e5;1332689 39.60 4.60 39.35;2.18e5;1332689 39.60 4.60 39.35;2.18e5;1332689 39.60 4.60 39.35;2.18e5;1332689 39.60 4.60 39.35;2.18e5;1332689 39.60 4.60 39.35;2.18e5;1332689 39.60 4.60 5.60 35.80 5.80	SIR, [80.97 33e+C , n 36.00 SIR, [30.97 SZe+C
28.50 FK3 0528R2_8 0 32.63 FK4 0528R2_8 0 36.22 0 36.42 FK5	F3: Voltage 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.68 80 33.00 33.20 33.40 33.60 33.80 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.40 35.60 35.80 80 33.00 33.20 33.40 33.60 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.40 35.60 35.80 36.73;6.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 4.6.36 0 36.60 36.80 37.00 37.20 37.40 37.60 37.80 38.00 38.20 38.40 38.60 38.80 39.00 39.20 39.40 39.60 39.80 0 36.60 36.80 37.00 37.20 37.40 37.60 37.80 38.00 38.20 38.40 38.60 38.80 39.00 39.20 39.40 39.60 39	SIR, E 80.97 33e+0 , n 36.00 SIR, E 30.97 5Ze+0 , n 40.00
28.50 K3 0528R2_8 0 32.63 K4 0528R2_8 0 K4 0528R2_8 0 K4 0 36.22 K5 0528R2_8	$\begin{array}{c} \text{F3:Voltage} \\ 33.12:8.10e5:3029193 \\ 33.20 \\ 33.40 \\ 33.20 \\ 33.40 \\ 33.60 \\ 33.20 \\ 33.40 \\ 33.60 \\ 33.60 \\ 33.80 \\ 34.00 \\ 34.20 \\ 34.40 \\ 34.20 \\ 34.40 \\ 34.60 \\ 34.60 \\ 34.60 \\ 34.80 \\ 34.60 \\ 34.80 \\ 35.00 \\ 35.20 \\ 35.20 \\ 35.40 \\ 35.60 \\ 35.60 \\ 35.60 \\ 35.80 \\ 4 \\ 6.36 \\ 4 \\ 6.36 \\ 6.3$	SIR, [80.97 33e+C
28.50 K3 0528R2_8 0 32.63 K4 0528R2_8 0 K4 0528R2_8 0 36.22 6 6 6 7 6 6 7 7 7 7 7 7 7 7	F3: Voltage 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 36.86 30 33.00 33.20 33.40 33.60 33.80 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.40 35.60 35.80 30 33.00 33.20 33.40 33.60 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.40 35.60 35.80 36.73;6.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 4 0 36.60 36.80 37.00 37.20 37.40 37.60 37.80 38.00 38.20 38.40 38.60 38.80 39.00 39.20 39.40 39.60 39.80 0 36.60 36.80 37.00 37.20 37.40 37.60 37.80 38.00 38.20 38.60 38.80 39.00 39.20 39.40 39.60 39.80 <t< td=""><td>SIR, E 80.97 33e+0 , n 36.00 SIR, E 30.97 57e+0 , n 40.00 SIR, E 554.97</td></t<>	SIR, E 80.97 33e+0 , n 36.00 SIR, E 30.97 57e+0 , n 40.00 SIR, E 554.97
K3 28.50 K3 0528R2_8 0 32.63 0 36.22 0 36.42 0 37.44 1 37.4	$\begin{array}{c} \text{F3:Voltage} \\ 33.12:8.10e5:3029193 \\ 33.20 \\ 33.40 \\ 33.20 \\ 33.40 \\ 33.60 \\ 33.20 \\ 33.40 \\ 33.60 \\ 33.60 \\ 33.80 \\ 34.00 \\ 34.20 \\ 34.40 \\ 34.20 \\ 34.40 \\ 34.60 \\ 34.60 \\ 34.60 \\ 34.80 \\ 34.60 \\ 34.80 \\ 35.00 \\ 35.20 \\ 35.20 \\ 35.40 \\ 35.60 \\ 35.60 \\ 35.60 \\ 35.80 \\ 4 \\ 6.36 \\ 4 \\ 6.36 \\ 6.3$	SIR, 80.97 33e+(33e+(336.00 SIR, 30.97 57e+(40.00 SIR, 54.97

MassLynx 4.1 SCN815

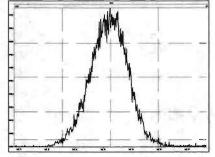
Page 1 of 1

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

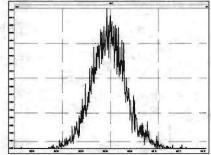
Printed: Friday, May 29, 2020 07:19:01 Pacific Daylight Time

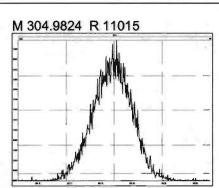


M 342.9792 R 11107

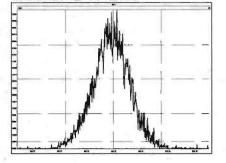


M 392.9760 R 13589

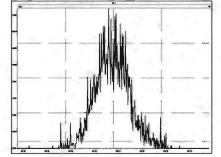


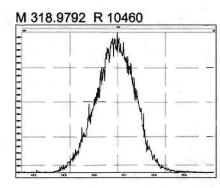


M 354.9792 R 12193

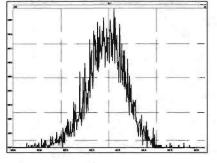


M 404.9760 R 14045

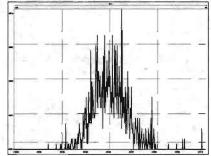




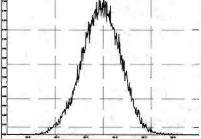
M 366.9792 R 12311



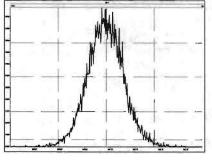
M 416.9760 R 18245







M 380.9760 R 11904

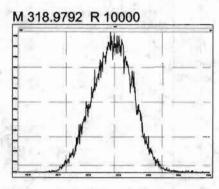


MassLynx 4.1 SCN815

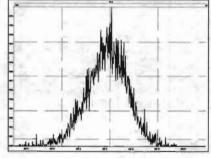
Page 1 of 1

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:21 Pacific Daylight Time

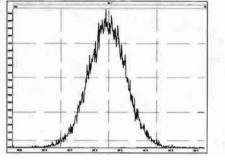


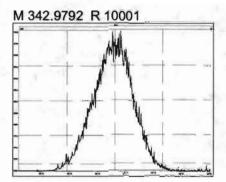
M 366.9792 R 11015



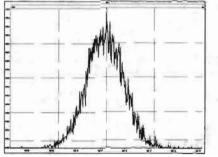
M 330.9792 R 10372

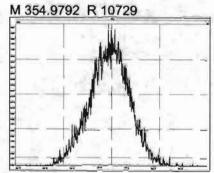
M 380.9760 R 11009



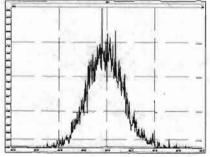


M 392.9760 R 11735

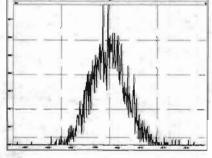




M 404.9760 R 12196



M 416.9760 R 14968

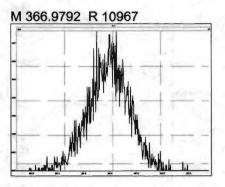


MassLynx 4.1 SCN815

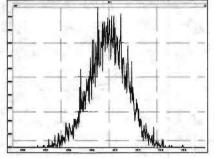
Page 1 of 1

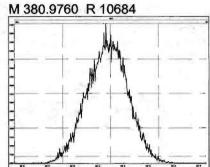
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:38 Pacific Daylight Time

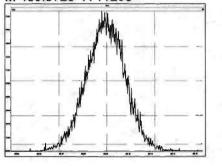


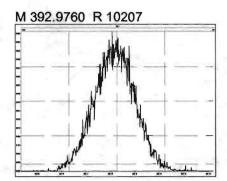
M 416.9760 R 11160

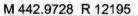


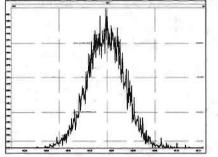


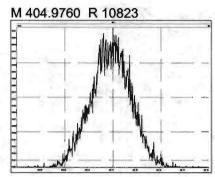
M 430.9728 R 11208



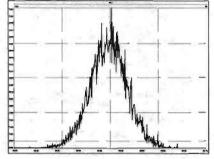








M 454.9728 R 10963

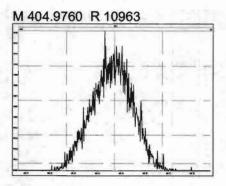


MassLynx 4.1 SCN815

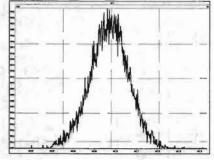
Page 1 of 1

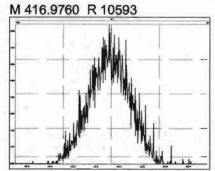
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:53 Pacific Daylight Time

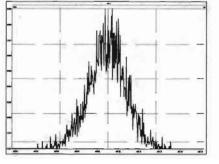


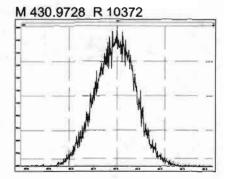
M 454.9728 R 11792

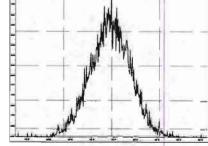




M 466.9728 R 12628

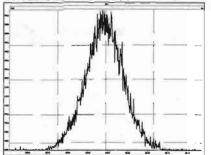






M 442.9728 R 10727

M 480.9696 R 11111

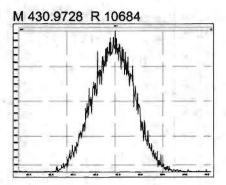


MassLynx 4.1 SCN815

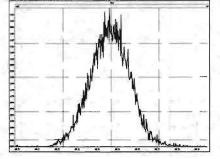
Page 1 of 1

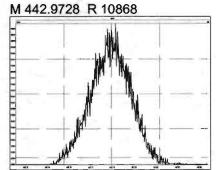
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:20:18 Pacific Daylight Time

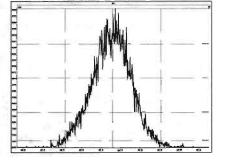


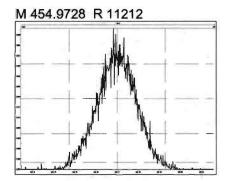
M 480.9696 R 10963



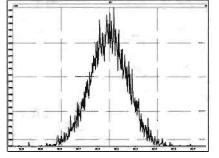


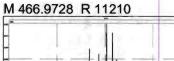
M 492.9696 R 10593

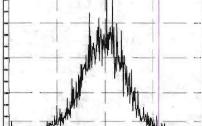




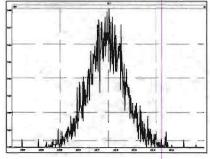
M 504.9696 R 11681







M 516.9697 R 11905



1.4

Quantify Compound Summary Report MassLynx 4.1 Vista Analytical Laboratory VG-9 MassLynx 4.1

Dataset:	U:\VG7.PRO\Results\200211D2\200211D2_	_CRV.qld
----------	---------------------------------------	----------

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Wednesday, February 12, 2020 10:35:39 Pacific Standard Time

DB 2/12/20 CT 02/12/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24 Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Compound name: 2,3,7,8-TCDF

Response Factor: 0.9819 RRF SD: 0.0791981, Relative SD: 8.06581 Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area) Curve type: RF

100-	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	0.250	0.86	NO	17.23	3.04e2	1.39e5	0.223	0.876
2	2 200211D2_4	0.500	0.66	NO	17.22	6.08e2	1.13e5	0.549	1.08
3	3 200211D2_5	2.00	0.73	NO	17.23	2.63e3	1.30e5	2.06	1.01
4	4 200211D2_6	10.0	0.75	NO	17.23	1.15e4	1.25e5	9.33	0.916
5	5 200211D2_7	40.0	0.74	NO	17.23	5.76e4	1.51e5	39.0	0.957
6	6 200211D2_8	300	0.73	NO	17.23	4.81e5	1.52e5	321	1.05

Compound name: 13C-2,3,7,8-TCDF Response Factor: 1.08271 RRF SD: 0.0939058, Relative SD: 8.67318 Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area) Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.72	NO	17.20	1.39e5	1.13e5	113	1.23
2	2 200211D2_4	100	0.71	NO	17.20	1.13e5	1.14e5	91.7	0.993
3	3 200211D2_5	100	0.71	NO	17.20	1.30e5	1.34e5	89.3	0.967
4	4 200211D2_6	100	0.75	NO	17.20	1.25e5	1.15e5	101	1.09
5	5 200211D2_7	100	0.71	NO	17.20	1.51e5	1.35e5	103	1.11
0	6 200211D2_8	100	0.72	NO	17.20	1.52e5	1.38e5	102	1.11

Quantify Compound Summary Report MassLynx 4.1 Vista Analytical Laboratory VG-9

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Printed: Wednesday, February 12, 2020 10:35:39 Pacific Standard Time

Compound name: 13C-1,2,3,4-TCDF Response Factor: 1 RRF SD: 7.02167e-017, Relative SD: 7.02167e-015 Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area) Curve type: RF

1000	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.70	NO	15.17	1.13e5	1.13e5	100	1.00
2	2 200211D2_4	100	0.71	NO	15.18	1.14e5	1.14e5	100	1.00
3	3 200211D2_5	100	0.74	NO	15.17	1.34e5	1.34e5	100	1.00
4	4 200211D2_6	100	0.72	NO	15.17	1.15e5	1.15e5	100	1.00
5	5 200211D2_7	100	0.73	NO	15.17	1.35e5	1.35e5	100	1.00
6	6 200211D2_8	100	0.73	NO	15.17	1.38e5	1.38e5	100	1.00

Compound name: 13C-1,2,3,4-TCDD Response Factor: 1026.38 RRF SD: 123.841, Relative SD: 12.0658 Response type: External Std, Area Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.79	NO	15.78	1.04e5		102	1040
2	2 200211D2_4	100	0.77	NO	15.78	8.57e4		83.5	857
3	3 200211D2_5	100	0.79	NO	15.78	9.44e4		92.0	944
4	4 200211D2_6	100	0.79	NO	15.78	9.87e4		96.1	987
5	5 200211D2_7	100	0.78	NO	15.78	1.13e5		110	1130
6	6 200211D2_8	100	0.78	NO	15.78	1.20e5		116	1200

X

Quantify Sam	ple Summary Report	MassLynx 4.1	Page 1 of 6
Dataset:	U:\VG7.PRO\Results\200	0211D2\200211D2_CRV.qld	
Last Altered: Printed:		2, 2020 10:17:56 Pacific Standard Time 2, 2020 10:38:05 Pacific Standard Time	

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24 Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Name: 200211D2_3, Date: 11-Feb-2020, Time: 21:00:36, ID: ST200211D2-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

	# Name	Resp	RA	n/y	RRF M	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	3.04e2	0.86	NO	0.982	1.000	17.23	0.22305	89.2	0.0931
2	2 13C-2,3,7,8-TCDF	1.39e5	0.72	NO	1.08	1.000	17.20	113.42	113	0.342
3	3 13C-1,2,3,4-TCDF	1.13e5	0.70	NO	1.00	1.000	15.17	100.00	100	0.371
4	4 13C-1,2,3,4-TCDD	1.04e5	0.7 9	NO	1030	1.000	15.78	101.65	102	0.291

Quantify Sample Summary Report MassLynx 4.1

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_4, Date: 11-Feb-2020, Time: 21:32:19, ID: ST200211D2-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

No. Contractor	# Name	Resp	RA	n/y	RRF M	wt/voi	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	6.08e2	0.66	NO	0.982	1.000	17.22	0.54947	110	0.147
2	2 13C-2,3,7,8-TCDF	1.13e5	0.71	NO	1.08	1.000	17.20	91.711	91.7	0.381
3	3 13C-1,2,3,4-TCDF	1.14e5	0.71	NO	1.00	1.000	15.18	100.00	100	0.412
4	4 13C-1,2,3,4-TCDD	8.57e4	0.77	NO	1030	1.000	15.78	83.528	83.5	0.324

Quantify Sample Summary Report MassLynx 4.1

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_5, Date: 11-Feb-2020, Time: 22:04:03, ID: ST200211D2-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

CARLENCE AND	# Name	Resp	RA	n/y	RRF M	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	2.63e3	0.73	NO	0.982	1.000	17.23	2.0631	103	0.121
2	2 13C-2,3,7,8-TCDF	1.30e5	0.71	NO	1.08	1.000	17.20	89.279	89.3	0.292
3	3 13C-1,2,3,4-TCDF	1.34e5	0.74	NO	1.00	1.000	15.17	100.00	100	0.316
4	4 13C-1,2,3,4-TCDD	9.44e4	0.79	NO	1030	1.000	15.78	92.007	92.0	0.336

Page 3 of 6

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_6, Date: 11-Feb-2020, Time: 22:35:45, ID: ST200211D2-4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

- Court	# Name	Resp	RA	n/y	RRF M	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	1.15e4	0.75	NO	0.982	1.000	17.23	9.3257	93.3	0.185
2	2 13C-2,3,7,8-TCDF	1.25e5	0.75	NO	1.08	1.000	17.20	100.76	101	0.364
3	3 13C-1,2,3,4-TCDF	1.15e5	0.72	NO	1.00	1.000	15.17	100.00	100	0.394
4	4 13C-1,2,3,4-TCDD	9.87e4	0.79	NO	1030	1.000	15.78	96.149	96.1	0.331

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_7, Date: 11-Feb-2020, Time: 23:07:28, ID: ST200211D2-5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

a states	# Name	Resp	RA	n/y	RRF M	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	5.76e4	0.74	NO	0.982	1.000	17.23	38.981	97.5	0.158
2	2 13C-2,3,7,8-TCDF	1.51e5	0.71	NO	1.08	1.000	17.20	102.61	103	0.300
3	3 13C-1,2,3,4-TCDF	1.35e5	0.73	NO	1.00	1.000	15.17	100.00	100	0.325
4	4 13C-1,2,3,4-TCDD	1.13e5	0.78	NO	1030	1.000	15.78	110.19	110	0.311

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

1

Name: 200211D2_8, Date: 11-Feb-2020, Time: 23:39:11, ID: ST200211D2-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

120	# Name	Resp	RA	n/y	RRF M	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	4.81e5	0.73	NO	0.982	1.000	17.23	321.06	107	0.243
2	2 13C-2,3,7,8-TCDF	1.52e5	0.72	NO	1.08	1.000	17.20	102.22	102	0.295
3	3 13C-1,2,3,4-TCDF	1.38e5	0.73	NO	1.00	1.000	15.17	100.00	100	0.319
4	4 13C-1,2,3,4-TCDD	1.20e5	0.78	NO	1030	1.000	15.78	116.47	116	0.322

Quantify Compound Summary Report Vista Analytical Laboratory VG-11 MassLynx 4.1

Untitled Dataset:

Last Altered:	Wednesday, February 12, 2020 10:45:15 Pacific Standard Time
Printed:	Wednesday, February 12, 2020 10:45:35 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24 Calibration: C:\MassLynx\Default.PRO\CurveDB\db-225_m23tcdfvg7-2-11-20.cdb 11 Feb 2020 14:52:18

Compound name: 2,3,7,8-TCDF

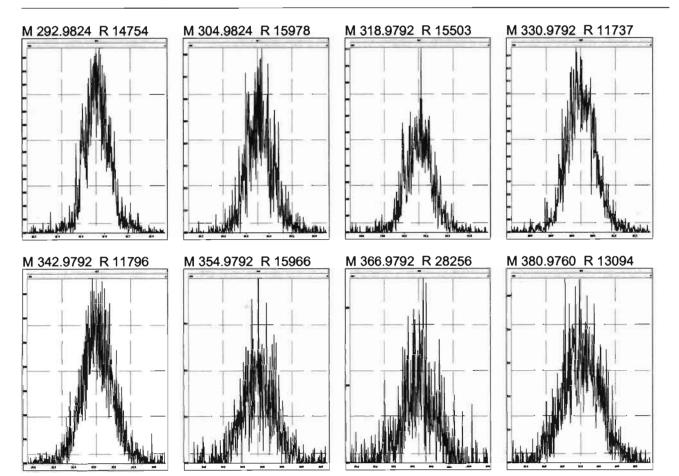
100	Name	ID	Acq.Date	Acq.Time
1	200211D2_1	SOLVENT BLANK	11-Feb-20	19:58:43
2	200211D2_2	CP200211D2-1 DB-225 CPSM	11-Feb-20	20:28:53
3	200211D2_3	ST200211D2-1 1613 CS0 19L2302	11-Feb-20	21:00:36
4	200211D2_4	ST200211D2-2 1613 CS1 19L2303	11-Feb-20	21:32:19
5	200211D2_5	ST200211D2-3 1613 CS2 19L2304	11-Feb-20	22:04:03
6	200211D2_6	ST200211D2-4 1613 CS3 19L2305	11-Feb-20	22:35:45
7	200211D2_7	ST200211D2-5 1613 CS4 19L2306	11-Feb-20	23:07:28
8	200211D2_8	ST200211D2-6 1613 CS5 19L2307	11-Feb-20	23:39:11
9	200211D2_9	SOLVENT BLANK	12-Feb-20	00:10:54
10	200211D2_10	SS200211D2-1 1613 SSS 19L2308	12-Feb-20	00:42:33
11	200211D2_11	SOLVENT BLANK	12-Feb-20	01:14:15
12	200211D2_12	1903740-08RE1 PDI-097SC-B-06-08-191017	12-Feb-20	01:45:58
13	200211D2_13	1903740-07RE1 PDI-097SC-B-04-06-191017	12-Feb-20	02:17:39
14	200211D2_14	1903740-06RE1 PDI-097SC-B-02-04-191017	12-Feb-20	02:49:21
15	200211D2_15	1903740-01RE1 PDI-031SC-B-00-02-191017	12-Feb-20	03:21:03
16	200211D2_16	1903740-05RE1 PDI-097SC-B-00-02-191017	12-Feb-20	03:52:45

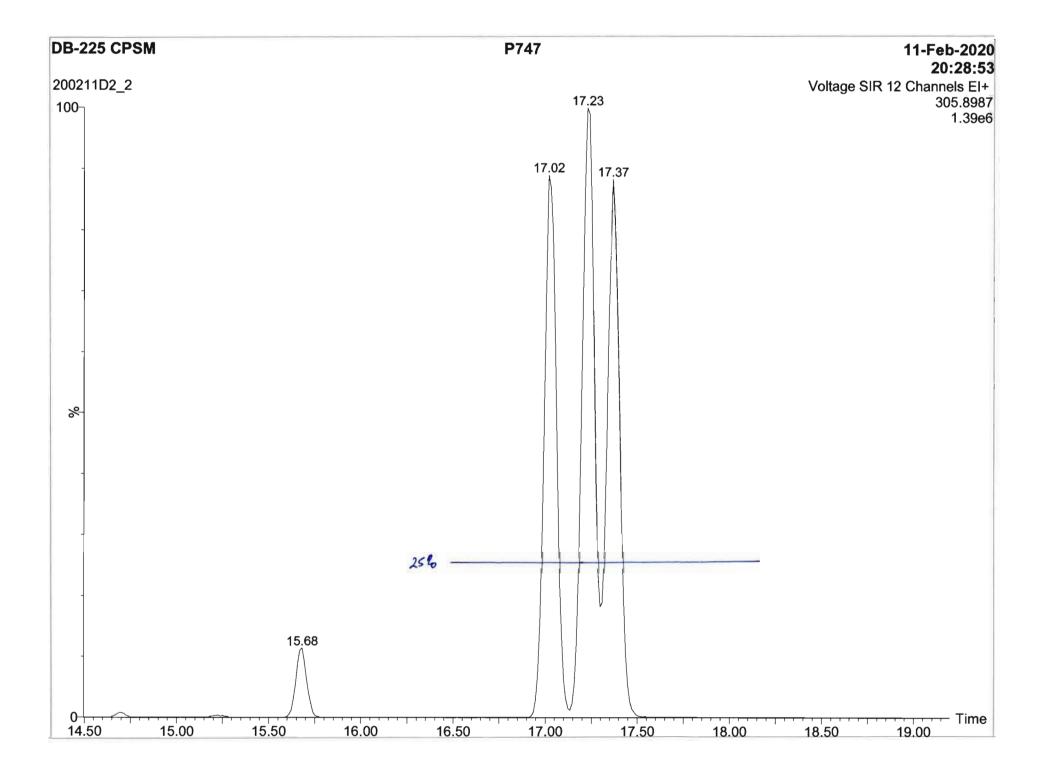
Resolution Check Report

MassLynx 4.1



Tuesday, February 11, 2020 19:58:33 Pacific Standard Time





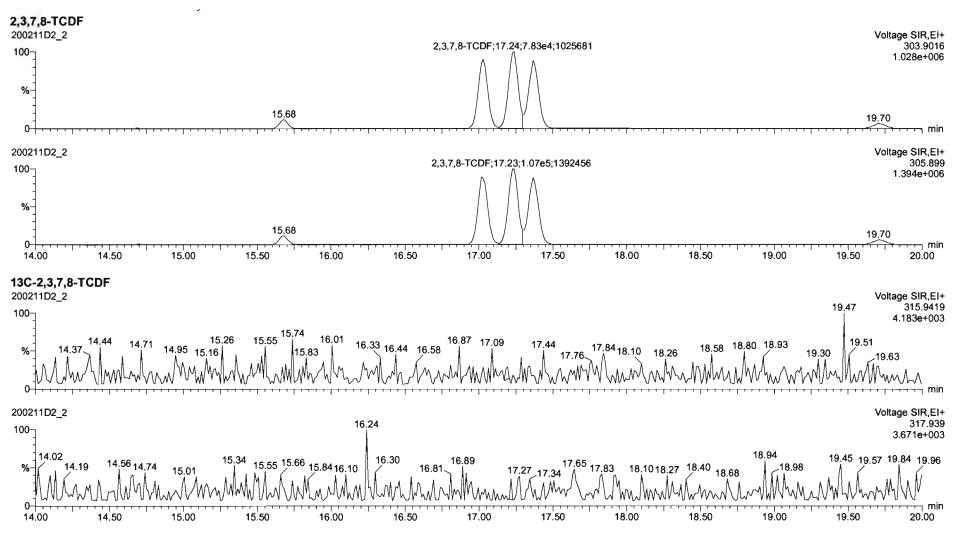
Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200111D2_2.qld

Last Altered:	Wednesday, February 12, 2020 10:13:49 Pacific Standard Time
Printed:	Wednesday, February 12, 2020 10:15:34 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24 Calibration: C:\MassLynx\Default.PRO\CurveDB\db-225_m23tcdfvg7-2-11-20.cdb 11 Feb 2020 14:52:18

Name: 200211D2_2, Date: 11-Feb-2020, Time: 20:28:53, ID: CP200211D2-1 DB-225 CPSM, Description: DB-225 CPSM

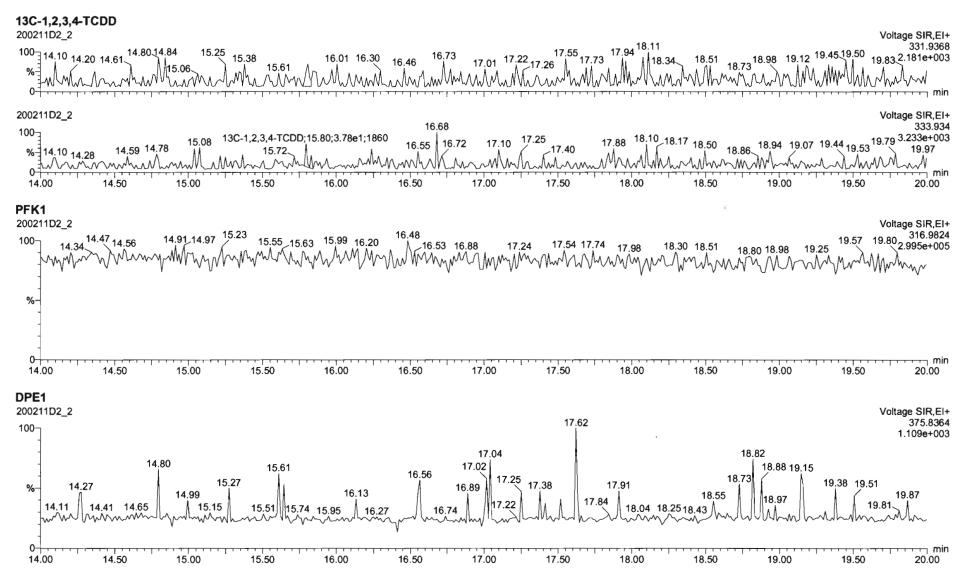


Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200111D2_2.qld

Last Altered: Wednesday, February 12, 2020 10:13:49 Pacific Standard Time Printed: Wednesday, February 12, 2020 10:15:34 Pacific Standard Time

Name: 200211D2_2, Date: 11-Feb-2020, Time: 20:28:53, ID: CP200211D2-1 DB-225 CPSM, Description: DB-225 CPSM



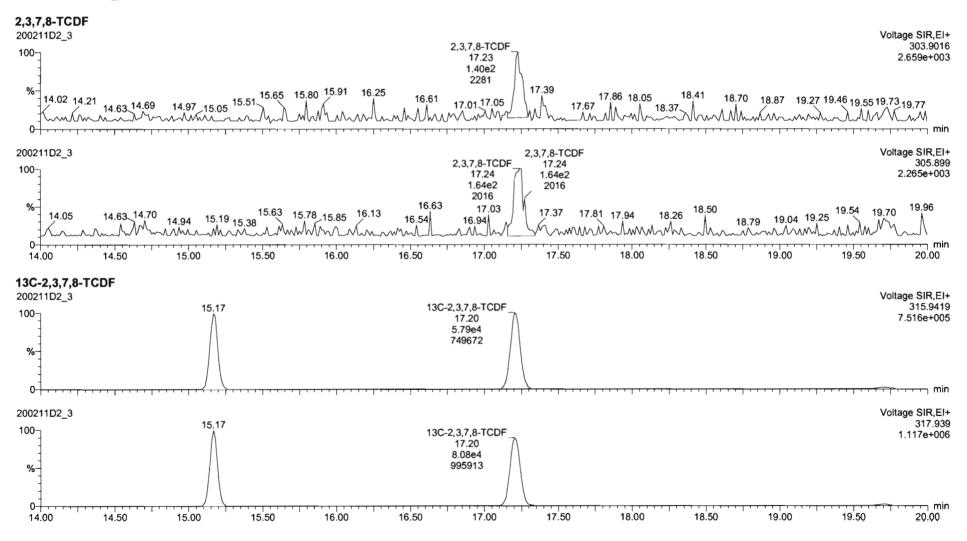
Vista Analytical Laboratory VG-11

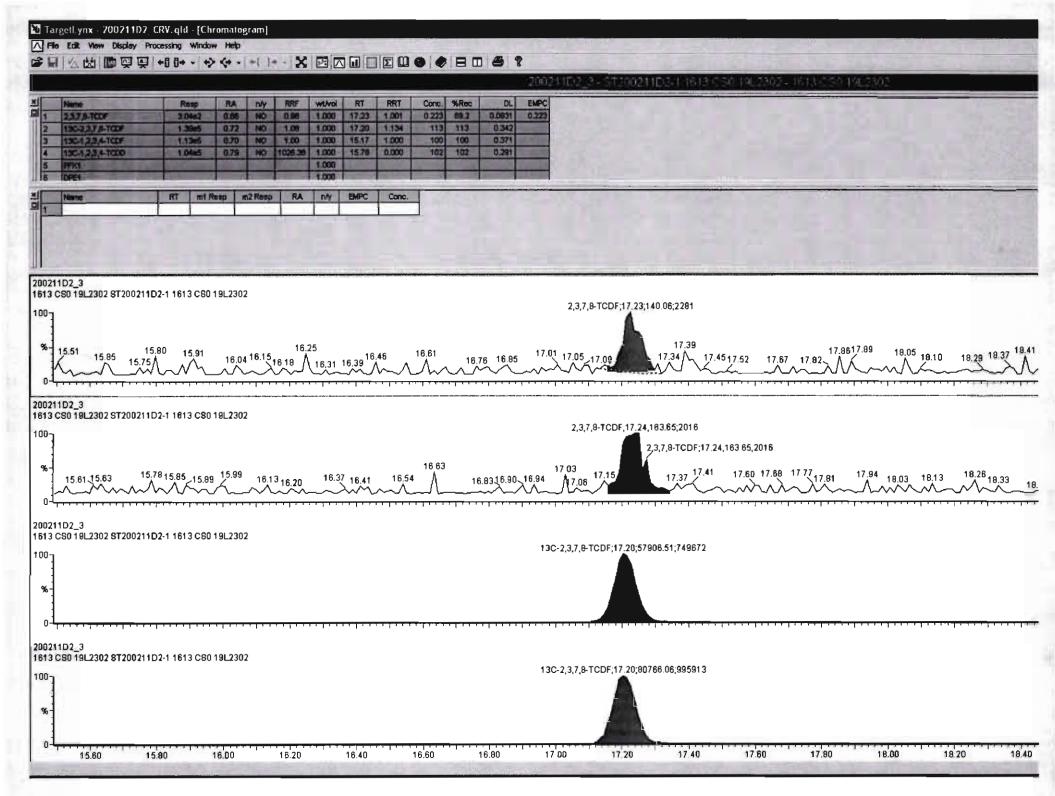
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered:	Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed:	Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24 Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Name: 200211D2_3, Date: 11-Feb-2020, Time: 21:00:36, ID: ST200211D2-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



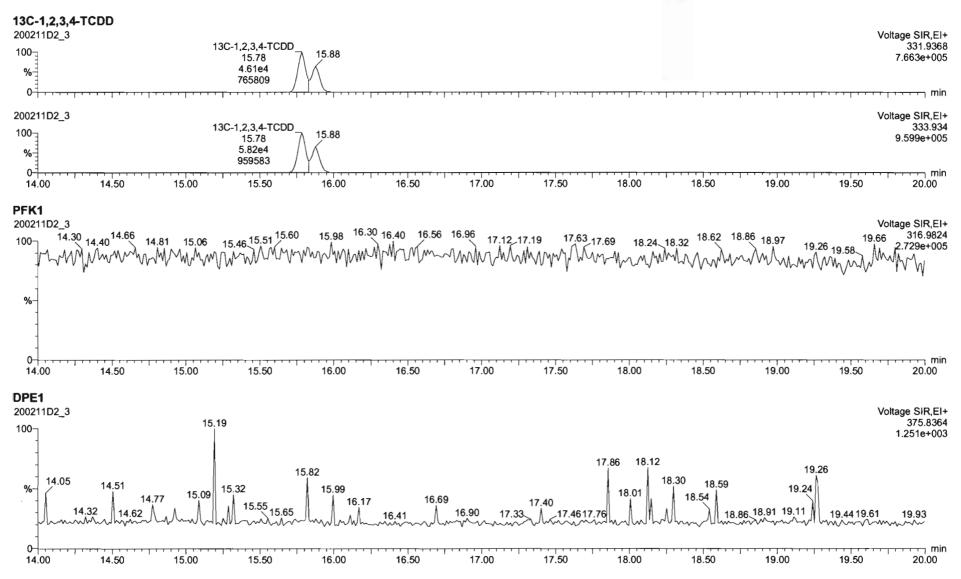


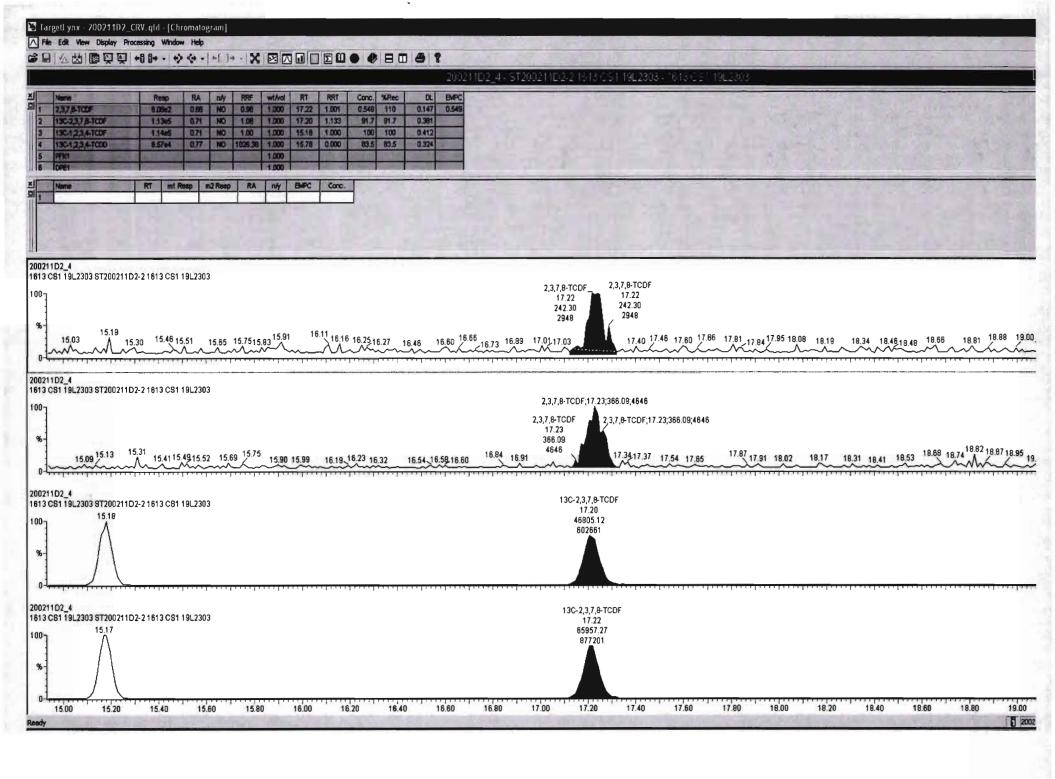
Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_3, Date: 11-Feb-2020, Time: 21:00:36, ID: ST200211D2-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



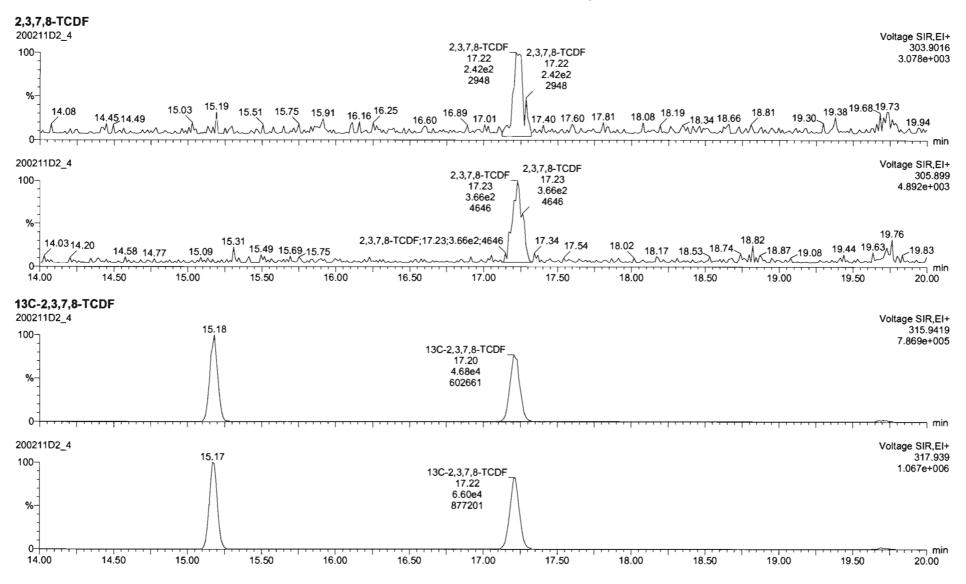


Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered:	Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed:	Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_4, Date: 11-Feb-2020, Time: 21:32:19, ID: ST200211D2-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

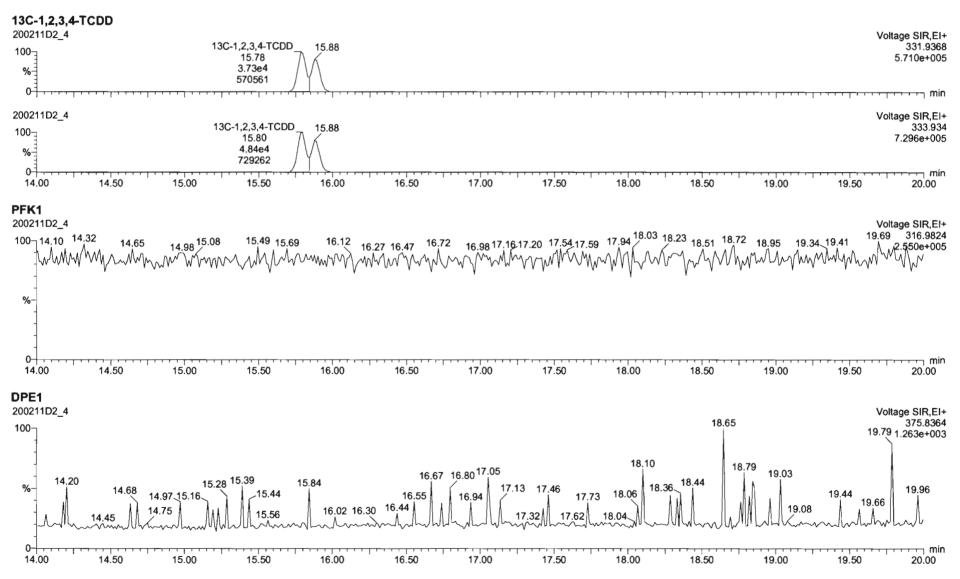


Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_4, Date: 11-Feb-2020, Time: 21:32:19, ID: ST200211D2-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

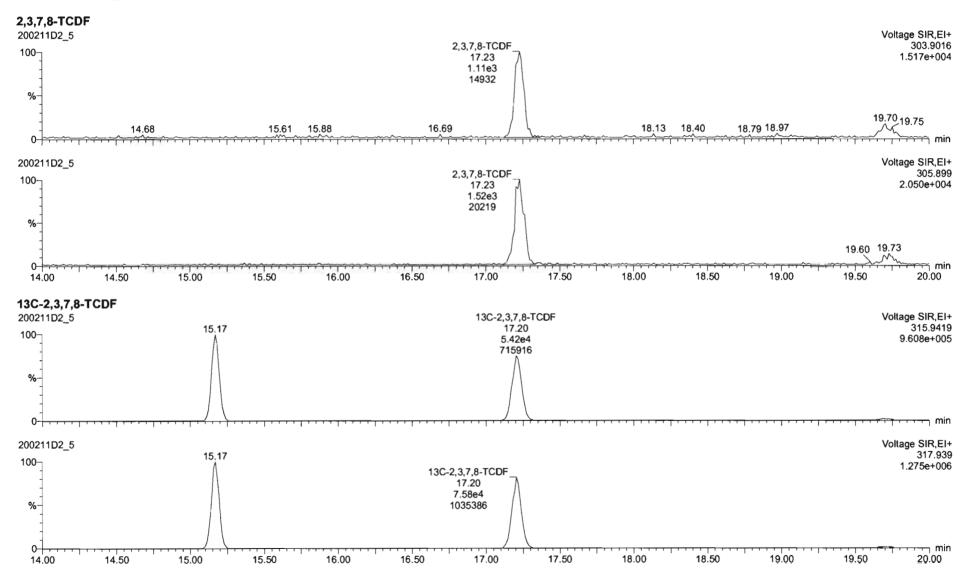


Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered:	Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed:	Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_5, Date: 11-Feb-2020, Time: 22:04:03, ID: ST200211D2-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

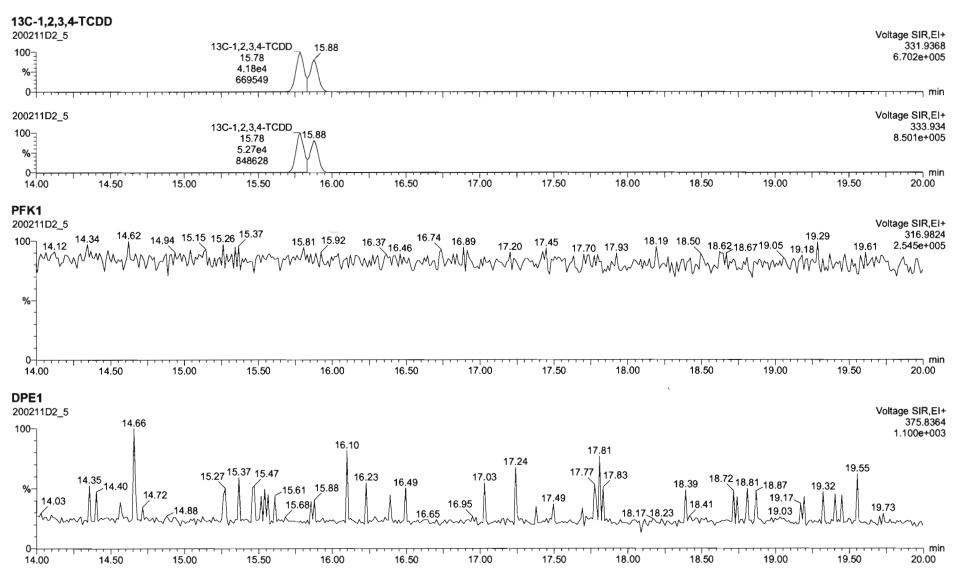


Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_5, Date: 11-Feb-2020, Time: 22:04:03, ID: ST200211D2-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

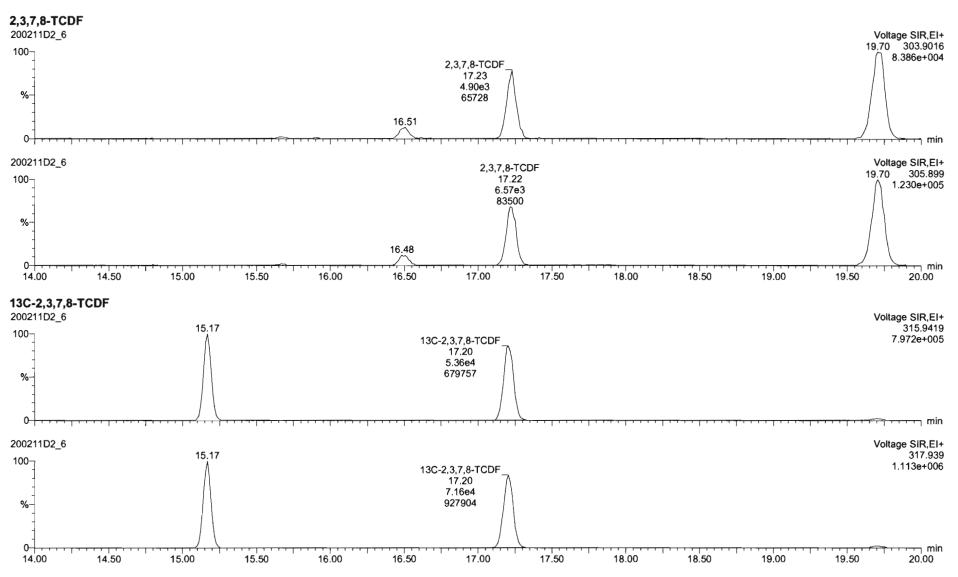


Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered:	Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed:	Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_6, Date: 11-Feb-2020, Time: 22:35:45, ID: ST200211D2-4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

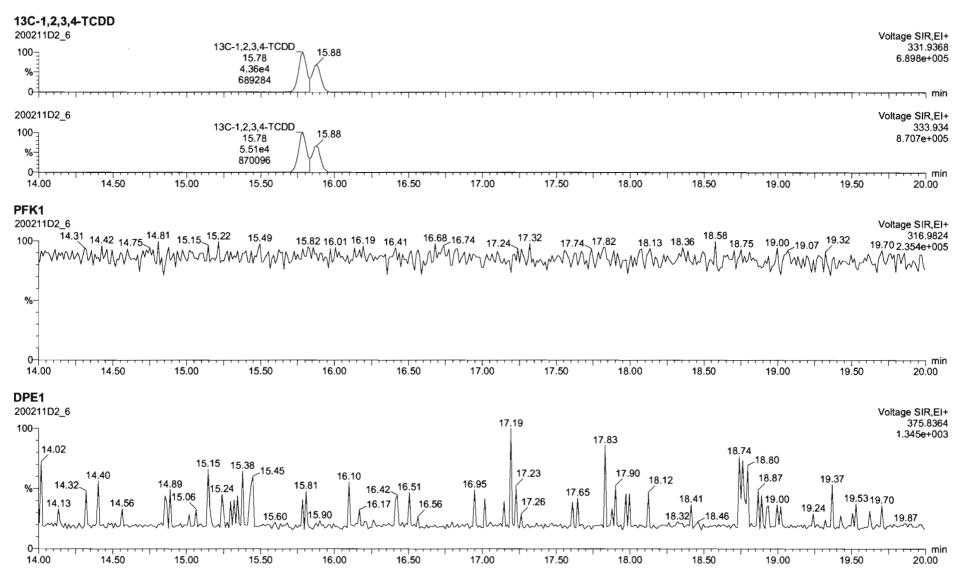


Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_6, Date: 11-Feb-2020, Time: 22:35:45, ID: ST200211D2-4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

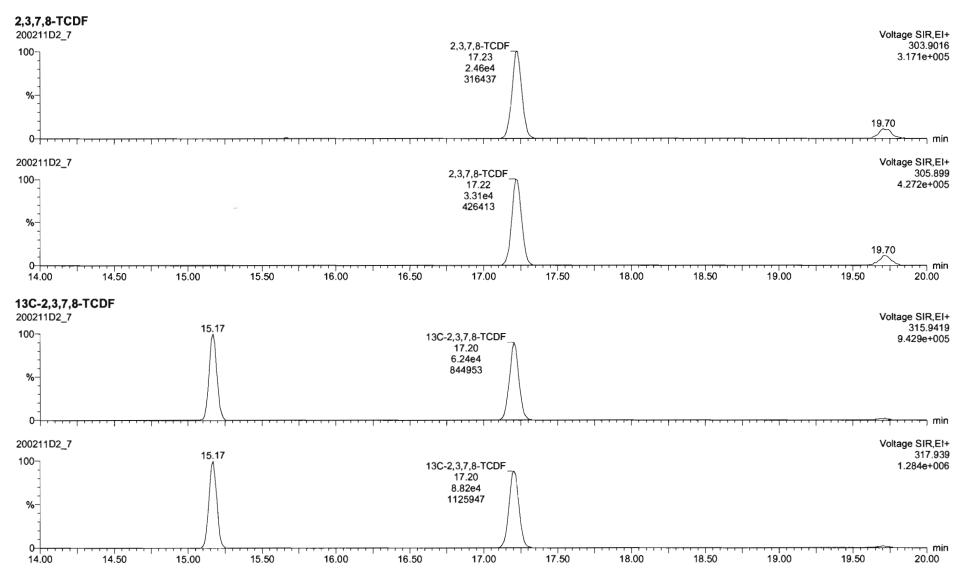


Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered:	Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed:	Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_7, Date: 11-Feb-2020, Time: 23:07:28, ID: ST200211D2-5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

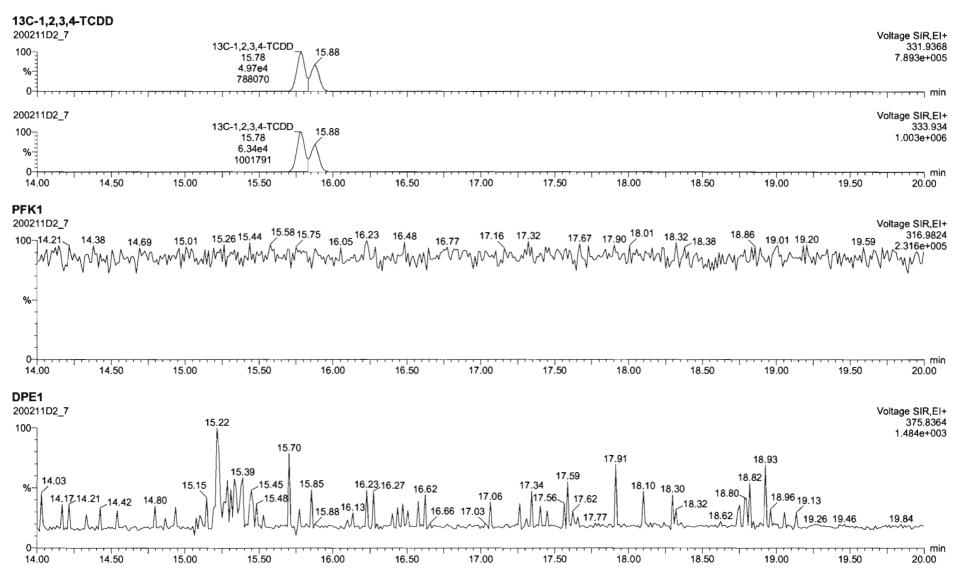


Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_7, Date: 11-Feb-2020, Time: 23:07:28, ID: ST200211D2-5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

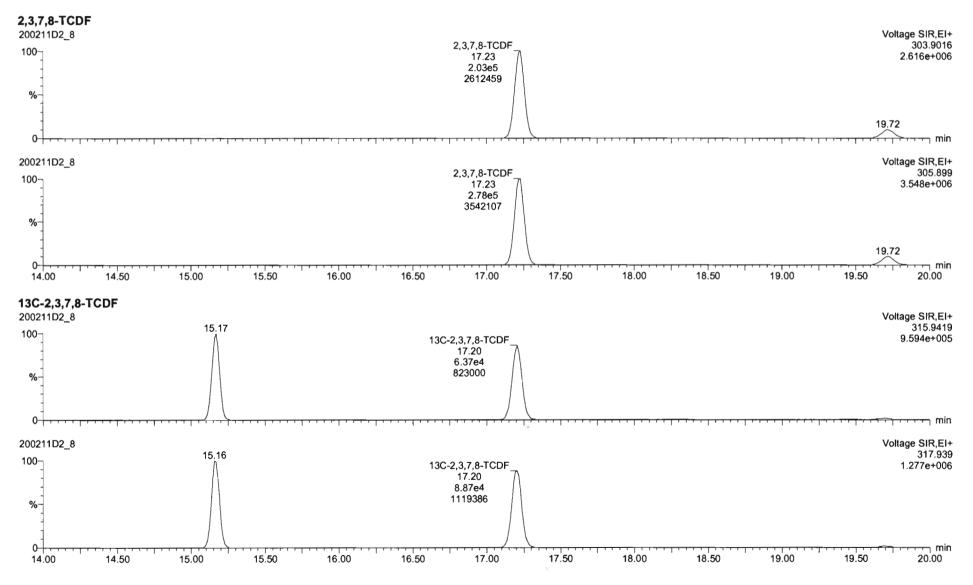


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered:	Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed:	Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_8, Date: 11-Feb-2020, Time: 23:39:11, ID: ST200211D2-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

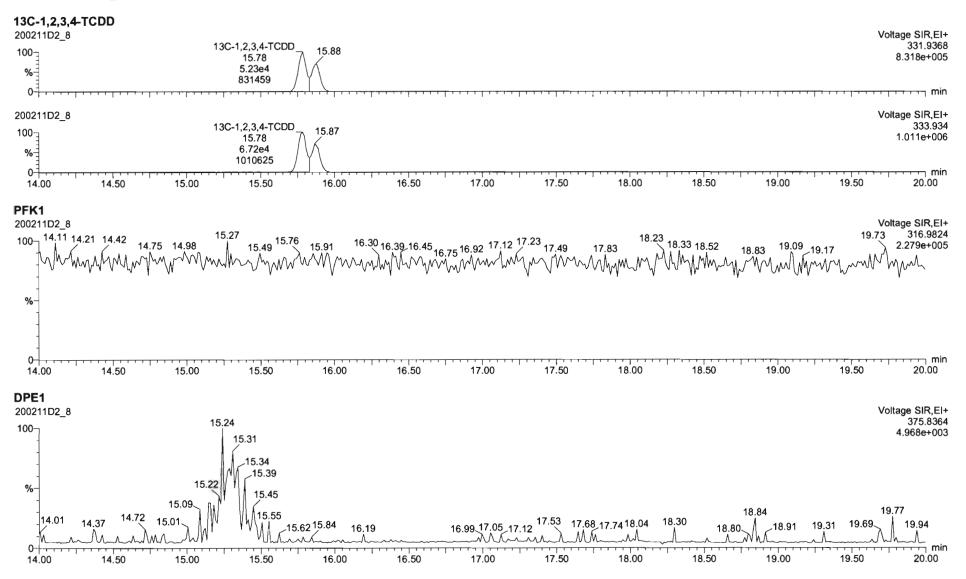


Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered:	Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed:	Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_8, Date: 11-Feb-2020, Time: 23:39:11, ID: ST200211D2-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

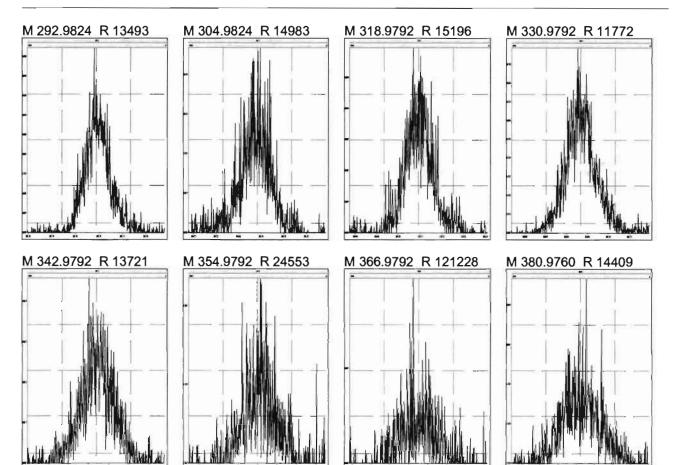


Resolution Check Report

MassLynx 4.1



Wednesday, February 12, 2020 04:26:13 Pacific Standard Time



Dataset: U:\VG7.PRO\Results\200211D2\200211D2_10.qld

Last Altered:Wednesday, February 12, 2020 10:51:20 Pacific Standard TimePrinted:Wednesday, February 12, 2020 10:52:52 Pacific Standard Time

2/12/20 morpe/2020 DB

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24 Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

- March	# Name	Resp	RA	n/y	RRF M	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	1.29e4	0.77	NO	0.982	1.000	17.22	10.800	108	0.183
2	2 13C-2,3,7,8-TCDF	1.22e5	0.73	NO	1.08	1.000	17.20	92.025	92.0	0.305
3	3 13C-1,2,3,4-TCDF	1.22e5	0.72	NO	1.00	1.000	15.17	100.00	100	0.330
4	4 13C-1,2,3,4-TCDD	8.99e4	0.76	NO	1030	1.000	15.78	87.563	87.6	0.304

Page 1 of 1

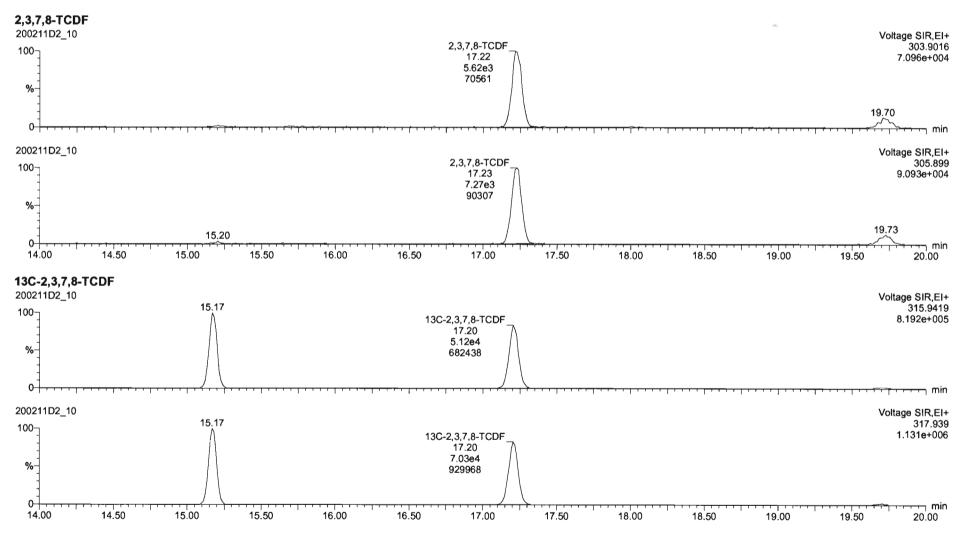
Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_10.qld

Last Altered:	Wednesday, February 12, 2020 10:51:20 Pacific Standard Time
Printed:	Wednesday, February 12, 2020 10:53:15 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24 Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



Vista Analytical Laboratory VG-11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_10.qld

Last Altered: Wednesday, February 12, 2020 10:51:20 Pacific Standard Time Printed: Wednesday, February 12, 2020 10:53:15 Pacific Standard Time

Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

