

July 03, 2020

Vista Work Order No. 2001132

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 22, 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. 2001132 Case Narrative

Sample Condition on Receipt:

Six sediment samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The EPA Method 1668 analysis for sample "PDI-172SC-A-02-03-200520" was assigned to Vista Work Order No. 2001131.

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-172SC-A-03-04-200520". The RPDs were outside of the acceptance criteria for 1,2,3,4,6,7,8-HpCDD; 1,2,3,6,7,8-HxCDF; 1,2,3,4,6,7,8-HpCDF and OCDF.

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

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
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	22
Sample Data - EPA Method 1613	29
Continuing Calibration	200
Initial Calibration	291

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2001132-01	PDI-172SC-A-03-04-200520	DUP20-May-20 10:51	22-May-20 10:00	Amber Glass, 120 mL
2001132-02	PDI-172SC-A-04-05-200520	20-May-20 10:51	22-May-20 10:00	Amber Glass, 120 mL
2001132-03	PDI-172SC-A-05-06-200520	20-May-20 10:51	22-May-20 10:00	Amber Glass, 120 mL
2001132-04	PDI-172SC-A-06-07-200520	20-May-20 10:51	22-May-20 10:00	Amber Glass, 120 mL
2001132-05	PDI-172SC-A-07-08-200520	20-May-20 10:51	22-May-20 10:00	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Metho	d Blank						EPA Me	thod 1613B
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	6 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: Solid Sample 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-172	SC-A-03-04-20052)					EPA Me	thod 1613E
Project: Gasco	r QEA, LLC PDI y-2020 10:51	Sample DataMatrix:SedimeSample Size:12.6 g% Solids:79.3	nt	Lal QC	boratory Data o Sample: 2001132-01 c Batch: B0F0086 te Analyzed : 27-Jun-20 06:0	Date Recei Date Extra 7 Column: ZB-	cted: 11-Jun-2020	
Analyte Conc.	(pg/g)	DL EMPC	Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0877		IS	13C-2,3,7,8-TCDD	79.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.151			13C-1,2,3,7,8-PeCDD	90.9	25 - 181	
1,2,3,4,7,8-HxCDD	0.700		J		13C-1,2,3,4,7,8-HxCDD	86.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.136			13C-1,2,3,6,7,8-HxCDD	94.1	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.156			13C-1,2,3,7,8,9-HxCDD	94.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	13.3				13C-1,2,3,4,6,7,8-HpCDD	82.8	23 - 140	
OCDD	297				13C-OCDD	75.7	17 - 157	
2,3,7,8-TCDF	ND	0.119			13C-2,3,7,8-TCDF	71.0	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0830			13C-1,2,3,7,8-PeCDF	87.9	24 - 185	
2,3,4,7,8-PeCDF	0.301		J		13C-2,3,4,7,8-PeCDF	89.2	21 - 178	
1,2,3,4,7,8-HxCDF	0.206		J		13C-1,2,3,4,7,8-HxCDF	85.5	26 - 152	
1,2,3,6,7,8-HxCDF	0.306		J		13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
2,3,4,6,7,8-HxCDF	0.229		J		13C-2,3,4,6,7,8-HxCDF	92.1	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.215			13C-1,2,3,7,8,9-HxCDF	88.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	2.92				13C-1,2,3,4,6,7,8-HpCDF	83.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.217			13C-1,2,3,4,7,8,9-HpCDF	79.9	26 - 138	
OCDF	2.34		J		13C-OCDF	72.9	17 - 157	
				CRS	37Cl-2,3,7,8-TCDD	87.3	35 - 197	
					Toxic Equivalent Quotient (TE	Q) Data (pg/g	dry wt)	
					TEQMinWHO2005Dioxin	0.486		
TOTALS								
Total TCDD	ND	0.0877						
Total PeCDD	0.756							
Total HxCDD	6.62							
Total HpCDD	38.1							
Total TCDF	1.75	1.99						
Total PeCDF	6.19							
Total HxCDF	5.54							
Total HpCDF DL - Sample specifc estin	6.98				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: Dupli	icate							EPA Met	hod 1613B
Source LabNumber: 2 Matrix: 5	PDI-172SC-A-03-04-200520 2001132-01 Solid 12.7 g		QC Batch: Date Extracted:	B0F0086 11-Jun-2020 16:31	Lab San Date An		nn: ZB-5MS		
Analyte (Conc. (pg/g)	DL	EMPC	Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.114			IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
1,2,3,7,8-PeCDD	0.195			J		13C-1,2,3,7,8-PeCDD	96.1	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.238				13C-1,2,3,4,7,8-HxCDD	84.5	32 - 141	
1,2,3,6,7,8-HxCDD	0.512			J		13C-1,2,3,6,7,8-HxCDD	83.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.287				13C-1,2,3,7,8,9-HxCDD	85.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	9.77					13C-1,2,3,4,6,7,8-HpCDD	79.8	23 - 140	
OCDD	235					13C-OCDD	65.6	17 - 157	
2,3,7,8-TCDF	ND	0.116				13C-2,3,7,8-TCDF	73.7	24 - 169	
1,2,3,7,8-PeCDF	ND	0.183				13C-1,2,3,7,8-PeCDF	90.1	24 - 185	
2,3,4,7,8-PeCDF	ND		0.221			13C-2,3,4,7,8-PeCDF	95.1	21 - 178	
1,2,3,4,7,8-HxCDF	0.252			J		13C-1,2,3,4,7,8-HxCDF	86.7	26 - 152	
1,2,3,6,7,8-HxCDF	0.236			J		13C-1,2,3,6,7,8-HxCDF	85.2	26 - 123	
2,3,4,6,7,8-HxCDF	ND		0.245			13C-2,3,4,6,7,8-HxCDF	85.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.194				13C-1,2,3,7,8,9-HxCDF	82.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	1.96			J		13C-1,2,3,4,6,7,8-HpCDF	83.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.300				13C-1,2,3,4,7,8,9-HpCDF	72.6	26 - 138	
OCDF	1.79			J		13C-OCDF	65.1	17 - 157	
					CRS	37Cl-2,3,7,8-TCDD	99.2	35 - 197	
						Toxic Equivalent Quotient (TE	Q) Data (pg/g dı	·y wt)	
						TEQMinWHO2005Dioxin	0.483		
TOTALS									
Total TCDD	ND	0.114							
Total PeCDD	0.918		1.05						
Total HxCDD	5.28								
Total HpCDD	31.0								
Total TCDF	1.37		1.95						
Total PeCDF	5.05		5.37						
Total HxCDF	4.30		4.54						
Total HpCDF	4.95								

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight. weight.

The sample size is reported in wet

Source Client ID: Du								EPA Me	thod 1613B
Source LabNumber:	2001132-01				Duplica	te Lab Sample: B0F0086-1	DUP3		
Matrix:	Solid								
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	89.3	79.8	25 - 164
1,2,3,7,8-PeCDD	0.195	ND	#	25		13C-1,2,3,7,8-PeCDD	96.1	90.9	25 - 181
1,2,3,4,7,8-HxCDD	ND	0.700	#	25		13C-1,2,3,4,7,8-HxCDD	84.5	86.8	32 - 141
1,2,3,6,7,8-HxCDD	0.512	ND	#	25		13C-1,2,3,6,7,8-HxCDD	83.7	94.1	28 - 130
1,2,3,7,8,9-HxCDD	ND	ND	NA	25		13C-1,2,3,7,8,9-HxCDD	85.3	94.2	32 - 141
1,2,3,4,6,7,8-HpCDD	9.77	13.3	30.6	25		13C-1,2,3,4,6,7,8-HpCDD	79.8	82.8	23 - 140
OCDD	235	297	23.3	25		13C-OCDD	65.6	75.7	17 - 157
2,3,7,8-TCDF	ND	ND	NA	25		13C-2,3,7,8-TCDF	73.7	71.0	24 - 169
1,2,3,7,8-PeCDF	ND	ND	NA	25		13C-1,2,3,7,8-PeCDF	90.1	87.9	24 - 185
2,3,4,7,8-PeCDF	ND	0.301	#	25		13C-2,3,4,7,8-PeCDF	95.1	89.2	21 - 178
1,2,3,4,7,8-HxCDF	0.252	0.206	20.3	25		13C-1,2,3,4,7,8-HxCDF	86.7	85.5	26 - 152
1,2,3,6,7,8-HxCDF	0.236	0.306	25.8	25		13C-1,2,3,6,7,8-HxCDF	85.2	87.9	26 - 123
2,3,4,6,7,8-HxCDF	ND	0.229	#	25		13C-2,3,4,6,7,8-HxCDF	85.6	92.1	28 - 136
1,2,3,7,8,9-HxCDF	ND	ND	NA	25		13C-1,2,3,7,8,9-HxCDF	82.9	88.1	29 - 147
1,2,3,4,6,7,8-HpCDF	1.96	2.92	39.3	25		13C-1,2,3,4,6,7,8-HpCDF	83.2	83.2	28 - 143
1,2,3,4,7,8,9-HpCDF	ND	ND	NA	25		13C-1,2,3,4,7,8,9-HpCDF	72.6	79.9	26 - 138
OCDF	1.79	2.34	26.9	25		13C-OCDF	65.1	72.9	17 - 157
					CRS	37Cl-2,3,7,8-TCDD	99.2	87.3	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	2SC-A-04-05-200520						EPA Me	thod 1613B
Project: Gased	or QEA, LLC o PDI ay-2020 10:51	Sample DataMatrix:SedimenSample Size:11.3 g% Solids:88.9	t	Lal QC	boratory Data b Sample: 2001132-02 C Batch: B0F0086 te Analyzed : 27-Jun-20 06:5.	Date Recei Date Extra 3 Column: ZB-	cted: 11-Jun-2020	
Analyte Conc.	(pg/g)	DL EMPC	Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0969		IS	13C-2,3,7,8-TCDD	91.1	25 - 164	
1,2,3,7,8-PeCDD	ND	0.112			13C-1,2,3,7,8-PeCDD	99.3	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.138			13C-1,2,3,4,7,8-HxCDD	89.4	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.133			13C-1,2,3,6,7,8-HxCDD	92.4	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.165			13C-1,2,3,7,8,9-HxCDD	91.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.649		J		13C-1,2,3,4,6,7,8-HpCDD	83.8	23 - 140	
OCDD	7.77				13C-OCDD	69.7	17 - 157	
2,3,7,8-TCDF	ND	0.0710			13C-2,3,7,8-TCDF	75.5	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0880			13C-1,2,3,7,8-PeCDF	97.3	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0767			13C-2,3,4,7,8-PeCDF	95.9	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0884			13C-1,2,3,4,7,8-HxCDF	88.9	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0816			13C-1,2,3,6,7,8-HxCDF	91.0	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0895			13C-2,3,4,6,7,8-HxCDF	92.8	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.144			13C-1,2,3,7,8,9-HxCDF	86.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.131			13C-1,2,3,4,6,7,8-HpCDF	84.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.156			13C-1,2,3,4,7,8,9-HpCDF	81.3	26 - 138	
OCDF	ND	0.132			13C-OCDF	75.4	17 - 157	
				CRS	37C1-2,3,7,8-TCDD	93.6	35 - 197	
					Toxic Equivalent Quotient (TE	Q) Data (pg/g o	lry wt)	
					TEQMinWHO2005Dioxin	0.00882		
TOTALS								
Total TCDD	ND	0.0969						
Total PeCDD	ND	0.112						
Total HxCDD	0.361							
Total HpCDD	1.91							
Total TCDF	ND	0.0710						
Total PeCDF	0.0985							
Total HxCDF	ND	0.144						
Total HpCDF	ND	0.156						

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-172	2SC-A-05-06-200520							EPA Me	thod 1613B
Project: Gasco	or QEA, LLC PDI ay-2020 10:51	Sample Matri Samp % Sol	x: Sediment ble Size: 11.0 g		Lab QC	boratory Data o Sample: 2001132-03 Batch: B0F0086 te Analyzed : 28-Jun-20 15:02	Date Received: Date Extracted: 2 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	0.143			IS	13C-2,3,7,8-TCDD	80.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.100				13C-1,2,3,7,8-PeCDD	89.8	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.161				13C-1,2,3,4,7,8-HxCDD	73.7	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.150				13C-1,2,3,6,7,8-HxCDD	83.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.187				13C-1,2,3,7,8,9-HxCDD	83.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.614			J		13C-1,2,3,4,6,7,8-HpCDD	73.2	23 - 140	
OCDD	5.66					13C-OCDD	64.0	17 - 157	
2,3,7,8-TCDF	ND	0.0593				13C-2,3,7,8-TCDF	72.3	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0642				13C-1,2,3,7,8-PeCDF	92.0	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0581				13C-2,3,4,7,8-PeCDF	88.4	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0707				13C-1,2,3,4,7,8-HxCDF	76.5	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0609				13C-1,2,3,6,7,8-HxCDF	85.4	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0681				13C-2,3,4,6,7,8-HxCDF	86.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.119				13C-1,2,3,7,8,9-HxCDF	79.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0949				13C-1,2,3,4,6,7,8-HpCDF	79.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.118				13C-1,2,3,4,7,8,9-HpCDF	74.2	26 - 138	
OCDF	ND	0.235				13C-OCDF	68.0	17 - 157	
					CRS	37Cl-2,3,7,8-TCDD	94.8	35 - 197	
						Toxic Equivalent Quotient (TE	Q) Data (pg/g dry v	wt)	
						TEQMinWHO2005Dioxin	0.00784		
TOTALS									
Total TCDD	ND	0.143							
Total PeCDD	ND	0.100							
Total HxCDD	0.525								
Total HpCDD	1.83								
Total TCDF	ND	0.0593							
Total PeCDF	ND	0.0642							
Total HxCDF	ND	0.119							
Total HpCDF	ND motod datastion limit	0.118							

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-172	2SC-A-06-07-200520							EPA Me	thod 1613B
Project: Gasco	or QEA, LLC 9 PDI ay-2020 10:51	Sample Matri Samp % So	ix: Sediment ble Size: 11.7 g		Lab QC	boratory Data > Sample: 2001132-04 Batch: B0F0086 te Analyzed : 27-Jun-20 08:20	Date Received Date Extracted 6 Column: ZB-5M	d: 11-Jun-2020	
Analyte Conc.	(pg/g)	DL	EMPC	Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.252			IS	13C-2,3,7,8-TCDD	102	25 - 164	
1,2,3,7,8-PeCDD	ND	0.395				13C-1,2,3,7,8-PeCDD	96.0	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.327				13C-1,2,3,4,7,8-HxCDD	90.7	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.333				13C-1,2,3,6,7,8-HxCDD	91.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.402				13C-1,2,3,7,8,9-HxCDD	92.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.748				13C-1,2,3,4,6,7,8-HpCDD	84.0	23 - 140	
OCDD	6.51					13C-OCDD	73.3	17 - 157	
2,3,7,8-TCDF	ND	0.241				13C-2,3,7,8-TCDF	88.8	24 - 169	
1,2,3,7,8-PeCDF	ND	0.251				13C-1,2,3,7,8-PeCDF	96.9	24 - 185	
2,3,4,7,8-PeCDF	ND	0.213				13C-2,3,4,7,8-PeCDF	99.2	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.151				13C-1,2,3,4,7,8-HxCDF	88.6	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.130				13C-1,2,3,6,7,8-HxCDF	92.2	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.147				13C-2,3,4,6,7,8-HxCDF	89.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.241				13C-1,2,3,7,8,9-HxCDF	88.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.640				13C-1,2,3,4,6,7,8-HpCDF	83.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.785				13C-1,2,3,4,7,8,9-HpCDF	79.7	26 - 138	
OCDF	ND	0.614				13C-OCDF	72.6	17 - 157	
					CRS	37Cl-2,3,7,8-TCDD	106	35 - 197	
						Toxic Equivalent Quotient (TE	Q) Data (pg/g dry	wt)	
						TEQMinWHO2005Dioxin	0.00195		
TOTALS									
Total TCDD	ND	0.252							
Total PeCDD	ND	0.395							
Total HxCDD	0.470								
Total HpCDD	1.20								
Total TCDF	ND	0.241							
Total PeCDF	ND	0.251							
Total HxCDF	ND	0.241							
Total HpCDF	ND motod datastian limit	0.785							

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	2SC-A-07-08-200520						EPA Me	thod 1613B
Project: Gasco	or QEA, LLC o PDI ay-2020 10:51	Sample DataMatrix:SedimenSample Size:13.5 g% Solids:74.8	ıt	Lat QC	boratory Data o Sample: 2001132-05 Batch: B0F0086 te Analyzed : 27-Jun-20 09:11	Date Extra	ived: 22-May-2020 icted: 11-Jun-2020 -5MS	
Analyte Conc.	(pg/g)	DL EMPC	Qualifiers		Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.197		IS	13C-2,3,7,8-TCDD	40.5	25 - 164	
1,2,3,7,8-PeCDD	ND	0.172			13C-1,2,3,7,8-PeCDD	51.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.160			13C-1,2,3,4,7,8-HxCDD	56.1	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.155			13C-1,2,3,6,7,8-HxCDD	62.4	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.145			13C-1,2,3,7,8,9-HxCDD	73.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.799		J		13C-1,2,3,4,6,7,8-HpCDD	69.4	23 - 140	
OCDD	7.60				13C-OCDD	62.4	17 - 157	
2,3,7,8-TCDF	ND	0.151			13C-2,3,7,8-TCDF	35.3	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0848			13C-1,2,3,7,8-PeCDF	46.1	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0775			13C-2,3,4,7,8-PeCDF	45.2	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0848			13C-1,2,3,4,7,8-HxCDF	53.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0745			13C-1,2,3,6,7,8-HxCDF	59.4	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0716			13C-2,3,4,6,7,8-HxCDF	65.7	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.126			13C-1,2,3,7,8,9-HxCDF	56.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.189			13C-1,2,3,4,6,7,8-HpCDF	69.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.249			13C-1,2,3,4,7,8,9-HpCDF	58.7	26 - 138	
OCDF	ND	0.222			13C-OCDF	61.8	17 - 157	
				CRS	37Cl-2,3,7,8-TCDD	45.5	35 - 197	
					Toxic Equivalent Quotient (TE	Q) Data (pg/g	dry wt)	
					TEQMinWHO2005Dioxin	0.0103		
TOTALS								
Total TCDD	ND	0.197						
Total PeCDD	ND	0.172						
Total HxCDD	0.658							
Total HpCDD	2.52							
Total TCDF	ND	0.151						
Total PeCDF	ND	0.0848						
Total HxCDF	ND	0.126						
Total HpCDF	ND	0.249						

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 Dilution GC/HRMS	EPA 1613B
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

	VI	VER Suite 2600, Seattle, WA 98101	ENVIR	ONME	ENTAL SA	MPLE	CH	AIN	OF CUSTODY	COC ID:	VISTA-202005	20-140911
	POC: *	Delaney Peterson (360-715-2	2707)		Project:	Gasco	PDI		2001132 2.0°C	Sample Custodian:	SN	
		1605 Cornwall Avenue, Bellin	gham, WA	98225	Client:	NW N	atural		2.0 C	Lab:	VISTA	
	COC Sample Number	Field Sample ID	Type	Matrix	Collecte Date	ed Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
SK	020	PDI-172SC-A-02-03-200520	N	SE	05/20/2020	10:51	1					
									Total solids (VISTA)	SM2540G	30	4°C
	021	PDI-172SC-A-03-04-200520	N	SE	05/20/2020	10:51	1					
									Dioxin/Furans	E1613B	30	4°C
									Total solids (VISTA)	SM2540G	30	4°C
	022	PDI-172SC-A-04-05-200520	N	SE	05/20/2020	10:51	1		Strange and the stand			
									Dioxin/Furans	E1613B	30	4°C
									Total solids (VISTA)	SM2540G	30	4°C
	023	PDI-172SC-A-05-06-200520	N	SE	05/20/2020	10:51	1					
	`								Dioxin/Furans	E1613B	30	4°C
									Total solids (VISTA)	SM2540G	30	4°C
	024	PDI-172SC-A-06-07-200520	N	SE	05/20/2020	10:51	1			State of the		
									Dioxin/Furans	E1613B	30	4°C -
									Total solids (VISTA)	SM2540G	30	4°C
	025	PDI-172SC-A-07-08-200520	N	SE	05/20/2020	10:51	1				Selected Select	
	I							_	Dioxin/Furans	E1613B	30	4°C
									Total solids (VISTA)	SM2540G	30	4°C

Pallaquiched Dr.	Deceived By:	Relinquished By	Received By:
Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name
Сотрапу	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time
	LH Print Name Company	Signature Signature LH Print Name Company Company	Signature Signature Signature Print Name Print Name Print Name Company Company Company

Date Printed: 5/20/2020

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

Page 4 of 4

Work Order 2001132



Sample Log-In Checklist

							P	age # _	1	of)	
Vista Work Orde	r #:20	01132	-					'AT	St	el	_
Samples Arrival:	Date/Time 5-22-2	-):00		iitials: UKU)		ation: If/Rack	۵۷ لر_:	,	
Delivered By:	FedEx	UPS	On Tra	IC	GLS	DHI	-	Hand Deliver		Oth	ner
Preservation:	Ace		Blu	l el	lce		Dry	/ Ice		No	ne
Temp ℃: ノ,◯	(uncorre	cted)			v al			mome		(A	3
Temp ℃: 70	(correcte	ed)	robe use	ea:	¥ /(ŋ		Iner	mome	ter ID:	<u>y</u>	_
									YES		NA
Shipping Contain	er(s) Intact	?								-	
Shipping Custody	/ Seals Inta	ct?							V		
Airbill	Trk #	7705	-242	5	-334	8			\checkmark		
Shipping Docume									V		
Shipping Contain			ïsta	1	Client		etain	Re	eturn	Dis	oose
Chain of Custody	/ Sample D	ocumen	tation Pr	ese	ent?	12-11			V		5
Chain of Custody	/ Sample D	ocumen	tation Co	mp	olete?				V,		
Holding Time Acc	ceptable?								V		
<u>_</u>									1	-	

	Date/Time		Initials:	Location: WZ-Z
Logged In:	05/26/20	0746	RS	Shelf/Rack: <u>G-5</u>
COC Anomaly/	Sample Acceptanc	e Form com	pleted?	

Comments:

ID.: LR - SLC

CoC/Label Reconciliation Report WO# 2001132

abNumber	CoC Sample ID			San	npleAlias		Sample Date/Time		Container	BaseMatrix	Sample Comment
001132-01	A PDI-172SC-A-03-04-200520	ď			and the second		20-May-20 10:51	I	Amber Glass, 120 mL	Solid	DUP
001132-02	A PDI-172SC-A-04-05-200520	T					20-May-20 10:51		Amber Glass, 120 mL	Solid	
001132-03	A PDI-172SC-A-05-06-200520	T			35.4		20-May-20 10:51		Amber Glass, 120 mL	Solid	7 2 27
001132-04	A PDI-172SC-A-06-07-200520						20-May-20 10:51	Z	Amber Glass, 120 mL	Solid	
001132-05	A PDI-172SC-A-07-08-200520				1-11-1		20-May-20 10:51	M	Amber Glass, 120 mL	Solid	North.
	pancies are noted in the followi	ng columns.	Yes	No	NA	Comments:					
		he COC reconciled with the sam	•								
		ng columns.	Yes	No	NA	Comments:					
Sample C	Container Intact?	ng columns.	Yes	No	NA	Comments:					
Sample C		ng columns.	Yes	No	NA	Comments:					
Sample C Sample C	Container Intact?	ng columns.	Yes	No	NA	Comments:					
Sample C Sample C Adequate	Container Intact? Custody Seals Intact?			No	NA	Comments:					
Sample C Sample C Adequate Container	Container Intact? Custody Seals Intact? Sample Volume?	(cs)		No	NA	Comments:					

Verifed by/Date: 45 05/26/20

EXTRACTION INFORMATION

Prep Expiration: 2021-05-20 Client: Anchor QEA, LLC

٩

Workorder Due:22-Jun-20 00:00

TAT: 31

	: 1613 Full List ∺Solid	Prep Batch: 60 F00 8-6								
Client Matrix:		Prep Data Entered: Date and Initials								
		Initial S	Sequence:							
LabSampleID	Recon ClientSampleID	Date Received	Location Comments							
2001132-01 A	PDI-172SC-A-03-04-200520	22-May-20 10:00	WR-2 G-5 DUP							
2001132-02	PDI-172SC-A-04-05-200520	22-May-20 10:00	WR-2 G-5							
2001132-03	PDI-172SC-A-05-06-200520	22-May-20 10:00	WR-2 G-5							
2001132-04	PDI-172SC-A-06-07-200520	22-May-20 10:00	WR-2 G-5							
2001132-05 🗸	PDI-172SC-A-07-08-200520	22-May-20 10:00	WR-2 G-5							

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

Pre-Prep Check Out: <u>CHT 05/28/20</u> Pre-Prep Check In: <u>CHT 05/28/20</u> Prep Check Out: <u><u>RR</u> 06/13/20</u> Prep Check In: <u><u>RR</u> 06/13/20</u>

	d Initals/Date: CHT	
Spike Reconcile	d Initals/Date: PR	06/13/20
VialBoxID:	URVE	

Page 1 of 1

PREPARATION BENCH SHEET

Matrix: Solid

B0F0086

Chemist: _______

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

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

								, 		_							
							imn Packer:										
Sox	VISTA Sample ID	G Eqv	Sample Amt.		/NS M/WIT		RS/PS EM/WIT		AP CHEM/		ABSG CHEM/		AA HEM/		orisil IEM/		RS M/WIT
			(g)		ATE		DATE		DATE		DATE		DATE		ATE		ATE
A	BOF0086-BLKI	NA	(10,00)	REDA	0/13/20	Ell A	¥ 06/14/20	E	06/14/20		M06/157U) Ull	06/15/20	Ell	06/15/20	U	AZ OGIUZU
A2	B0F0086-BS1	V	(10,00)	7	-	T	/		,	-				-		T	- ["
0.2	B0F0086-DUP1	16.70	16.73					Ŵ	1 06/14/27)	yellow/wordw						
AY	B0F0086-DUP2 2001155-04	11.39	11.49					21	4								
A5	B0F0086-DUP3 2001132-01	12.62	12.72						1		brown						
A6		16.70	16.80					Ell	06/14/22)	YEINW KOYOWY						
A7	2001007-04RE1	13.39	13,46		1			T			yellow / black	4					
A8	2001007-05RE1	16.13	16.36														
11 /		16.96	17.18					\rightarrow									<u>`</u>
Alo	2001132-01 Ď	12.62	12.63					2/1	A		brown						
36 Q		11.25	11.27														
A12	2001132-03	10.91	10.96														
151	2001132-04	11.67	11.72						1								
B2		13.36	13.49														
B3	2001155-01 04	11.05	11.08		Y		J.	Y	06/14/2	.0	/ yeilowibro	1					\bigvee
IS:	1912301,10m2	Сус	le Time		FUN SO		Check Out: Chemist/Date:	RPO	06/13/20	Soxhl	et Siphoned No ist/Date:	tes:	an look	vicila	u dill	OVDIN 3	r.
NS:	18F1913, IUNU VC		t Date/Time		Toluer	IC	Check In:				06/13/20	somp	es look extract	inn	WILL DU	1417	
PS/CR	S 20E0701, 10MU		000	Other	0		Chemist/Date:	2 R 0	115/20			your	Xtull		101. 00	nd c	1 Porto
RS:	20E0702, 10 ML (S) Stor	p Date/Time	Final Volu	ime(s) _C	14	Balance ID: <u>H</u>	PMS			ransfer ist/Date:	sampl	s went	thin	LON Z	DUN SU	igue
5	PCB PAH PEST PBDE	00	800		20	me				eu	ab/16/20	junine	1 age	n hy	IN VEVV	Yell	06/14/20
Comín			E 4	Somela h	OL	eft ves	idue on	coni	cal vial	, di	aving (C)	W) VBI	Y NOUN	CLIDINH	U MO:	Ngbr	
2 = Sat3 = Sat	nple approached dryness on nple bumped on rotovap; los nple poured through Na2SO	t < 5% 4 to remove	6 = 5	sample clo	nogenized gged during roached dr	g extaction;	v container 610 pipetted and us	ed Niti	rogen to assist		W 00/10/10	lat	CULLIN				11 06/15/2
4 = Pre	cipitate present at Final Volu Work Order 200113														-		24 of 586

PREPARATION BENCH SHEET

Matrix: Solid

B0F0086

Chemist:

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

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

PR

						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 DFOGINA	EU AZ 06/14/20	ELA 04/14/20	Ell Od 15720	EM 01/15/20	EM 0415720	411 AZ 00/16/20
*	B5	2001155-03	11.01	11.03	Т	T	Ţ	TT	1	T	T
67	Bto	2001155-04	11.39	11.47			NA				
86,	B 7	2001155-05	11'21	11,58	Y	L L			\checkmark		\checkmark

© 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

			\sim			
IS:		C-2	APP: SEFUN SOX (SDS SOLV: Toluene	Check Out: Chemist/Date: 22 06/13/20	Soxhlet Siphoned Chemist/Date:	Notes:
NS:	18: F1913, 10, 1 VO	Start; Date/Time 06/13/20	NIN	Check In: Chemist/Date: P.P. 06/13/20	RP 06/13/20	
PS/CF	RS: 20E0 701, 10MLVG	1600	1		Vial Transfer	
RS:	20E0702, 10/11/05)	Stop Date/Time		Balance ID: <u>HPIMS-8</u>	Chemist/Date:	
Diox/	PCB PAH PEST PBDE HCB		ZOML		ZUN NOT IOT IN	

Comments:

- I = 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 2001132

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000996-02RE1	16.8 ✓	59.88593	10.0608		08-May-20 12:49	RR >	F		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	17.18 🗸	58.94736	10.1272	20	11-Jun-20 16:31	RR			Sediment	1613 Full List
2001132-01	12.63 V	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	3 \(10 \(\)		QC
B0F0086-DUP1	16.73 J	59.88593	10.0189161	20	11-Jun-20 16:31	RR				QC
B0F0086-DUP2	11.49 J	87.79343	10.0874651	20	11-Jun-20 16:31	RR				QC
B0F0086-DUP3	12.72 \	79.25764	10.0815718	20	/ 11-Jun-20 16:31	RR	/			QC

Work Order 2001132

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

Percent Moisture/ Percent Solids D2216-90 BATCH ID B0E0241 Analyst: CHT Test Code: %Moist/%Solids Data Entry Verified by: (Initial and Date) Data Entry Verified by: (Initial and Date) Dried at 110°C+/-5°C Oven ND: 01 01 02 Of 1 00 07 20

Date/Time IN: Date/Time OUT 5/28/20 13:58 5/29/20 8:45 √

	в		С	D	É	F	G	H	L.	к	L	M	N	0	Р
						CHT 05/28/20 🗸	CHT 05/29/20 🗸			CHT 05/28/20 🗸				CHT 05/28/28	
Particle Size	SampiD			SampType	Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Inspection	CI-	Before		Acid Added	Sample Homogenized*
	2001132-01	A	/	Sample	1.3000 🗸	5.8800 🗹	4.9300 🗸	3.6300	79.26	Soil 🗸			N/A	N/A	x 🗸
	2001132-02	A	1	Sample	1.3000 🗸	5.3600 🗸	4.9100 🗸	3.6100	88.92	Soil	N/A	N/A	N/A	N/A	× ✓
	2001132-03	A	1	Sample	1.3000 🗹	4.7600 🗸	4.4700 🗸	3.1700	91.62		N/A		N/A	N/A	× /
	2001132-04	A	1	Sample	1.2900 🌙	4.5000 🗸	4.0400 🗸	2.7500	85.67	001	N/A		N/A	N/A	×
	2001132-05	A	1	Sample	1.3000 🏒	5.6300 🗸	4.5400 🗸	3.2400	74.83	Soll 🗸	N/A	N/A	N/A	N/A	× ✓
												ļ			
	_														l
				<u> </u>								 			
				<u> </u>											
															
															l
	_														l
	1														
				1											
	1			1											1
											_				[
															1
				1											
										1					[

*Sample homogenized in sample container unless otherwise noted.

BCH_PMOIST_B0E0241.xls

Inst HRMS-9 🗸

in the state of the second second	Percent Moisture/ Pe	rcent Solids
•	D2216-90	BATCH ID B0E0241
Analyst: CHT	Test Code: %Moist/%Solids	Data Entry Verified by;
Analyte: Dried a <u>t 1</u> 10°C·	Units: %	(Initial and Date)
Oven ID: 01		

			Date/Time IN:	Date/Time OUT
Inst	HRMS-9		05/28/20	Date/Time OUT 05/29/20
	In a work of the second second second		1358	0845

		с	D	E	F	ÚT.	1	¥	LM NO P					
	В		U	E	F	G	Ĥ		к			N	0	
			e	Intial and Date:	CHT 05/28/20 Wet Pan and Sample	CHT 05129 120			CHT 05	128	5120			CHT05/28/20
Particle Size	SampiD		SampType	Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	CHT 05/29/20 Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	CI-	pH Before	After	Acided	Sample Homogenized*
	2001132-01	A	Sample	1.30	5.00	4.93		10/	Soil				N	2
	2001132-02	11	Sample		5.36	4.91	CHE OF		1			S		\sim
	2001132-03		Sample	1.50	4.76	4.47	CH.			_	· Y			~
	2001132-04		Sample	1.29	4.50	4.04				_	1			>
	2001132-05	4	Sample	1.30	5.63	4.54	1		L	2				1
	_			ļ						<u> </u>				
	_									┣─				
										├─				
	_								-					
	_									\vdash				
										⊢				
										<u> </u>				
										\vdash				

*Sample homogenized in sample container unless otherwise noted.

BCH_PMOIST_B0E0241

SAMPLE DATA – EPA METHOD 1613

Quantify San Vista Analytic	n ple Summary Report al 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

and a	# 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

12.61	# 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	2.95e4	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

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



Hexa-Dioxins

Name	RT	m1 Height m2 Height	m1 Resp	m2 Resp	RA 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 Height m2 Height m1 Resp m2 Resp RA n/y 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

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

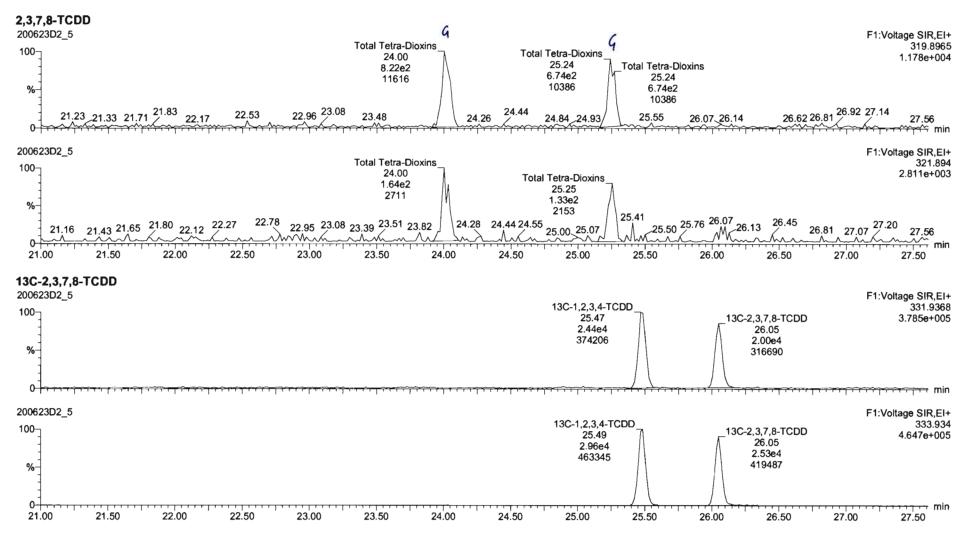
Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory Vista Analytical Laboratory

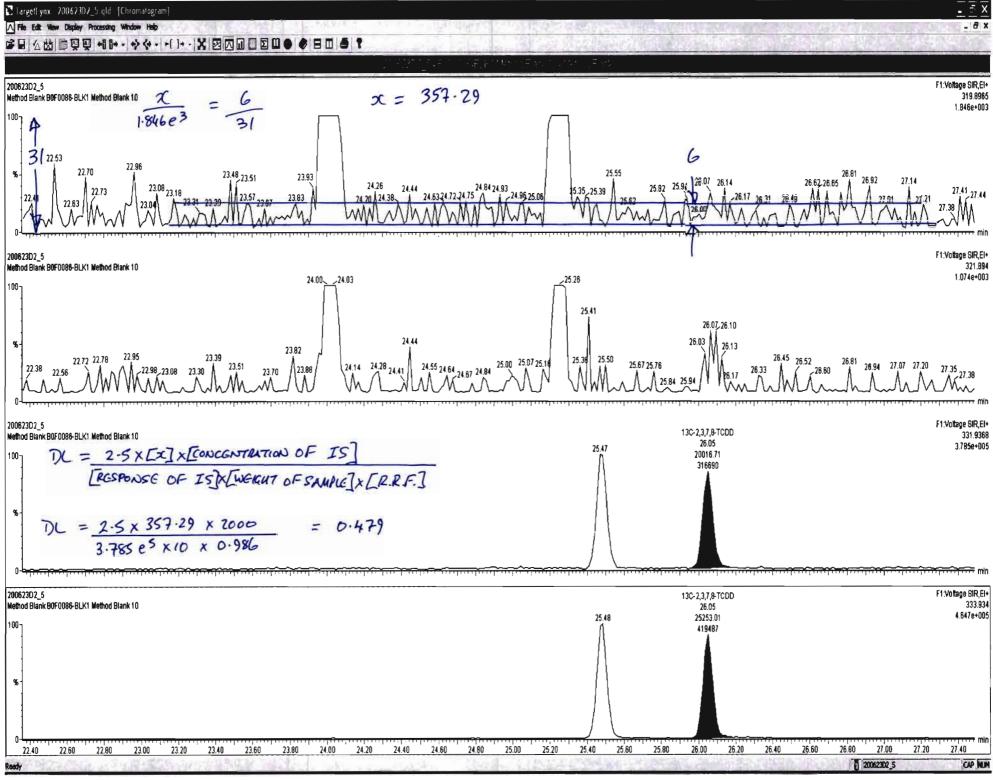
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

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



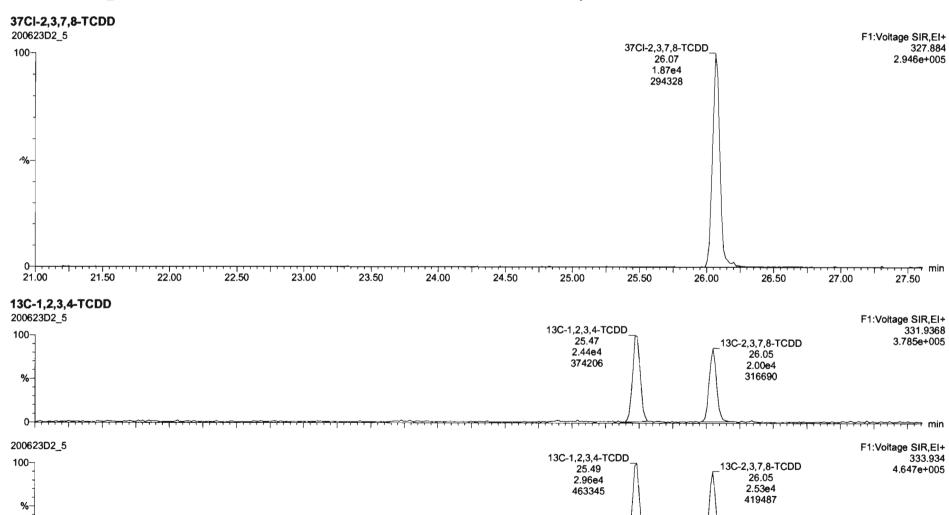


Work Order 2001132

Page 35 of 586

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



22.00

22.50

23.00

23.50

24.00

24.50

25.00

25.50

26.00

26.50

0|... 21.00

21.50

27.00

----- min

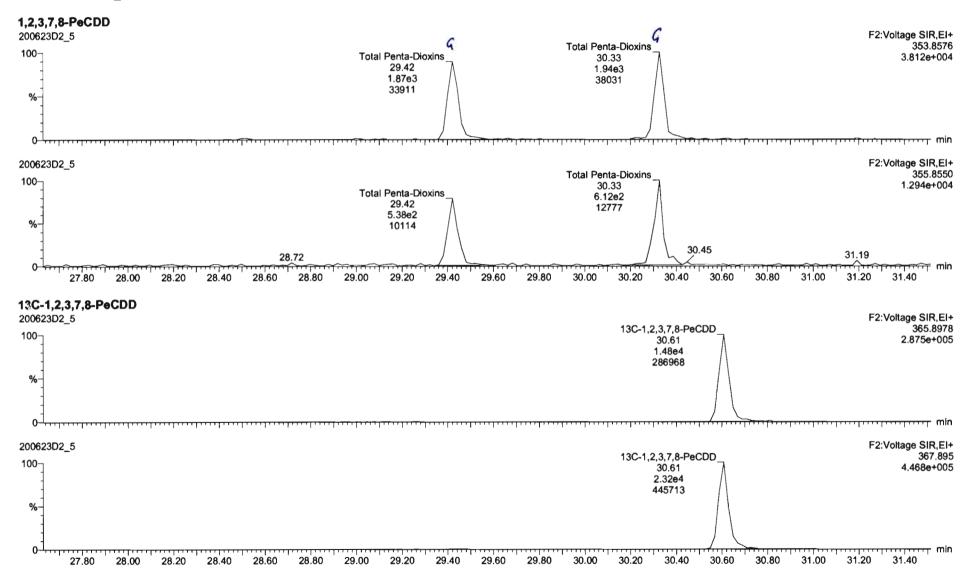
27.50

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

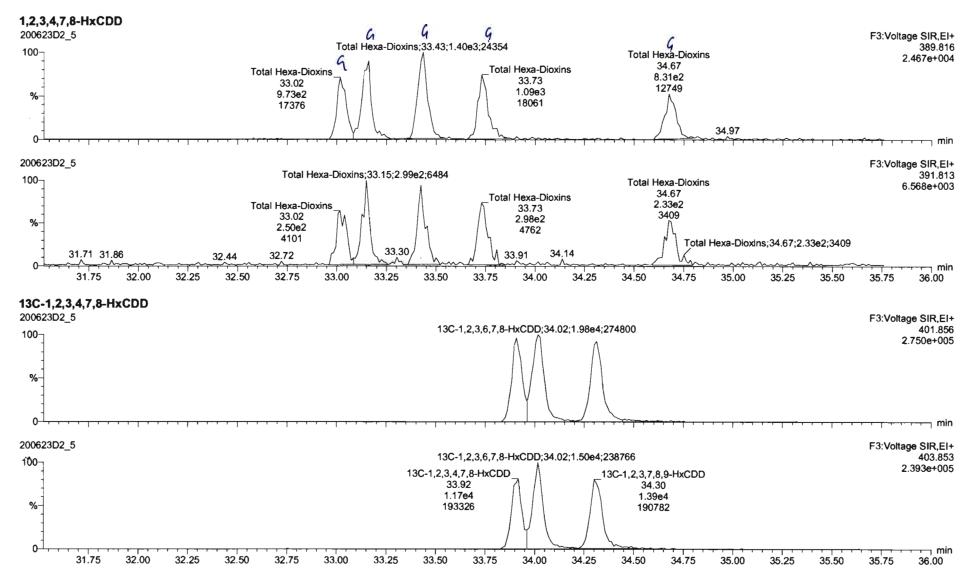


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1

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

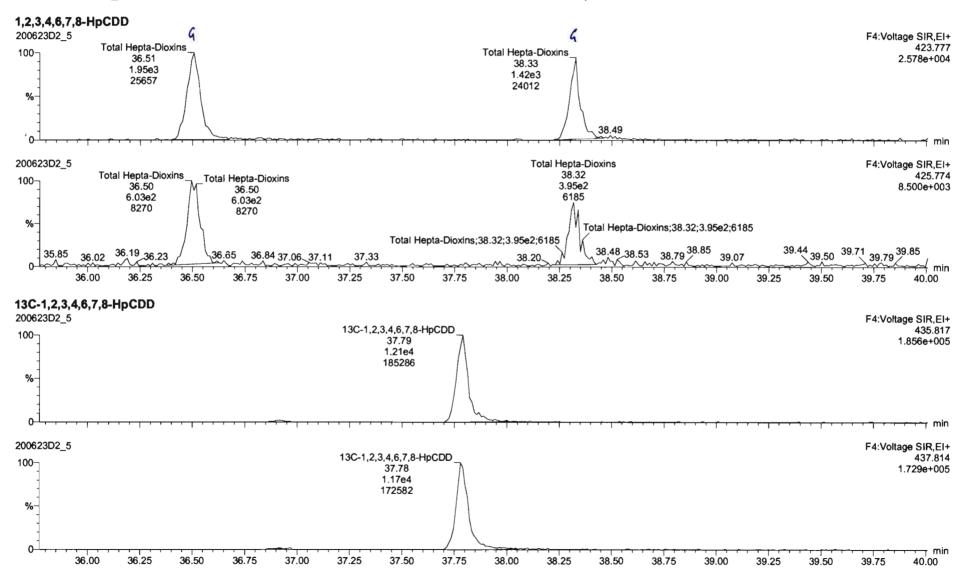
Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

Ŧ



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

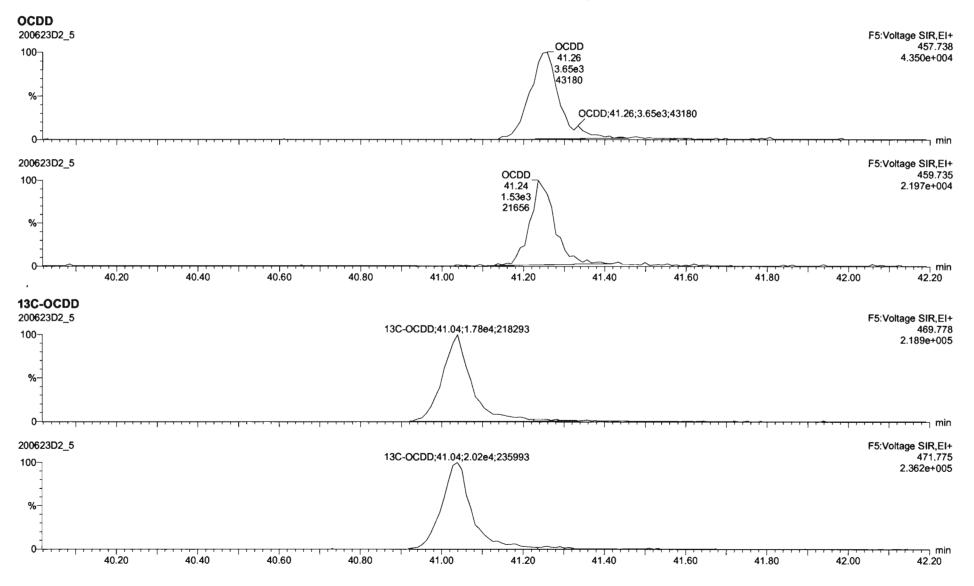
Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time



Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1

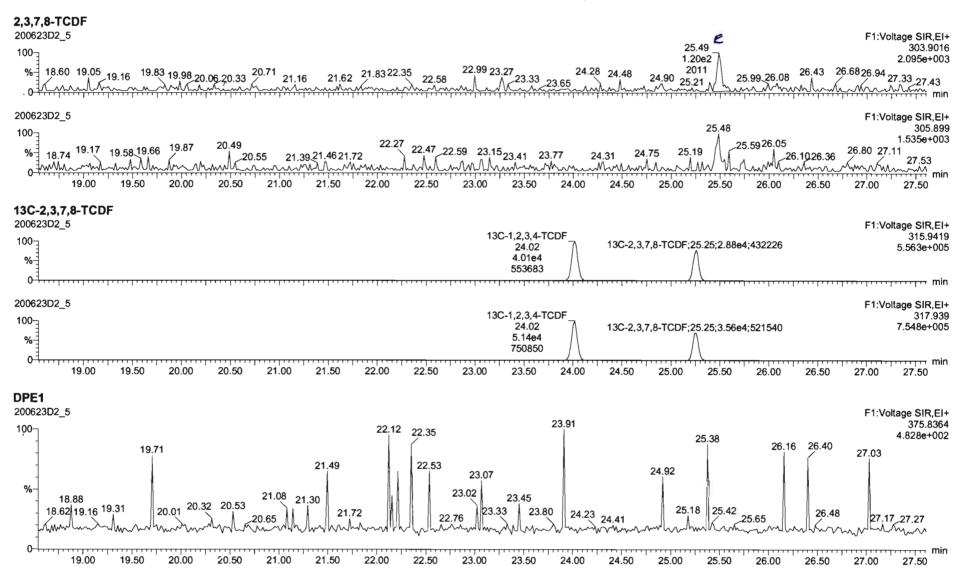
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

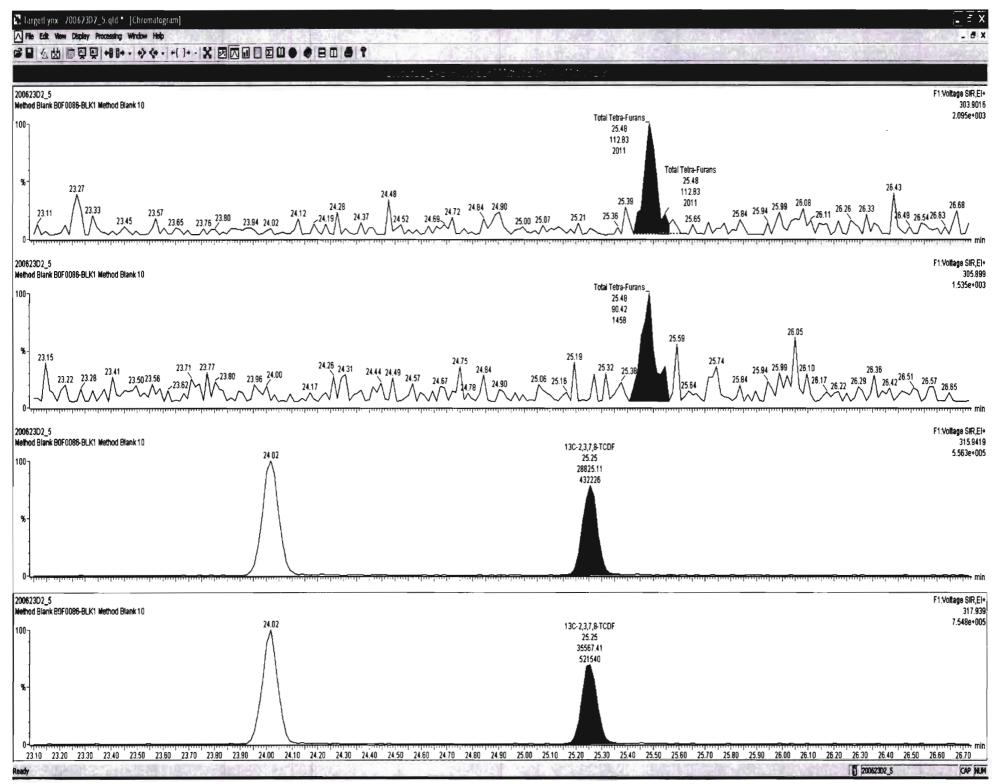
Last Altered:	Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time



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



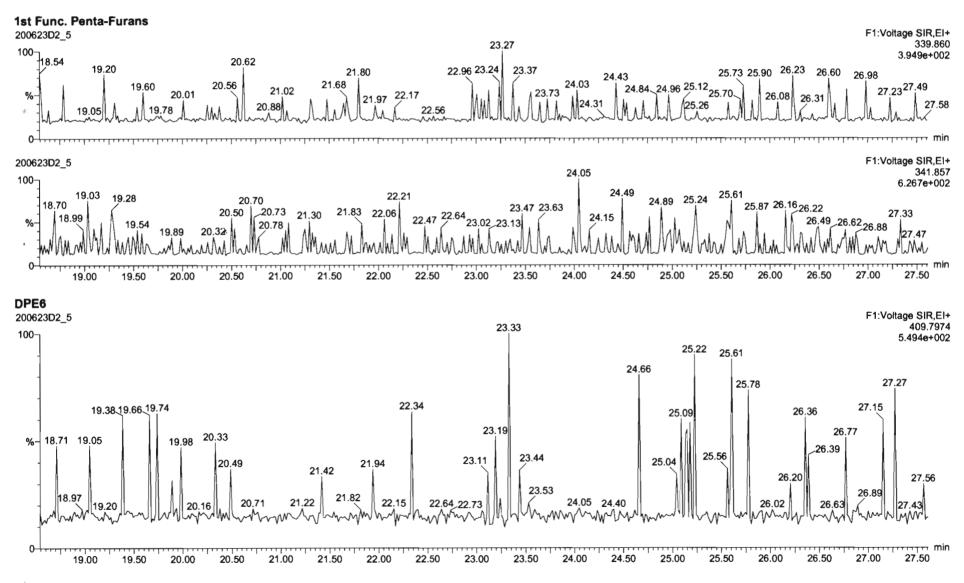


Work Order 2001132

Quantify Sample Report MassLynx 4.1

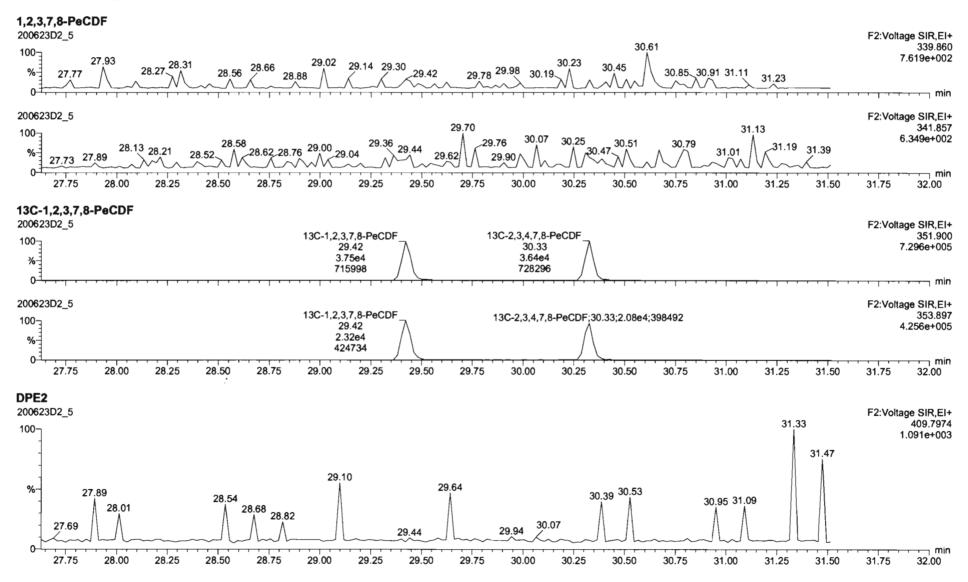
U;\VG7.PRO\Results\200623D2\200623D2 5.qld Dataset:

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



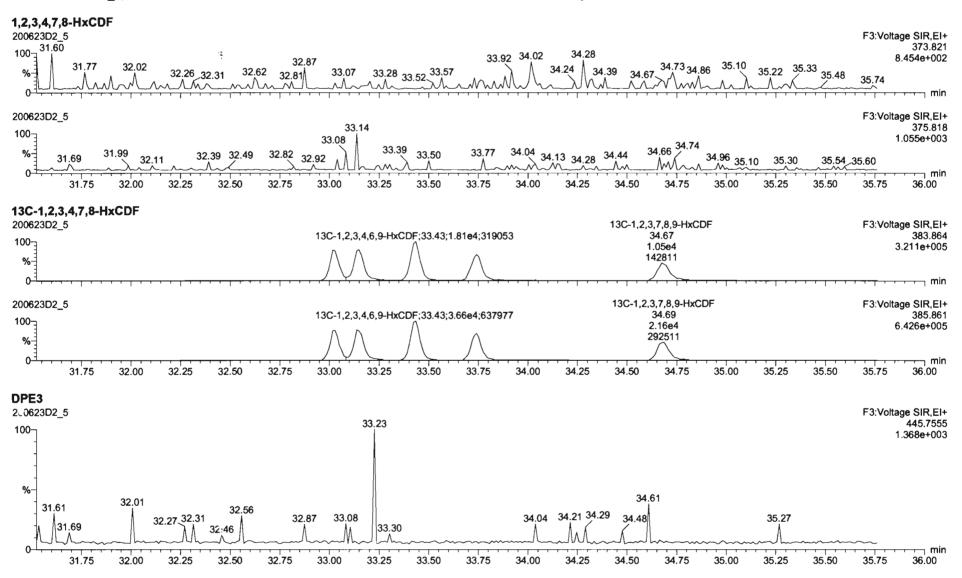
Dataset: U:\VG7.PRO\Results\2:)0623D2\200623D2_5.qld

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



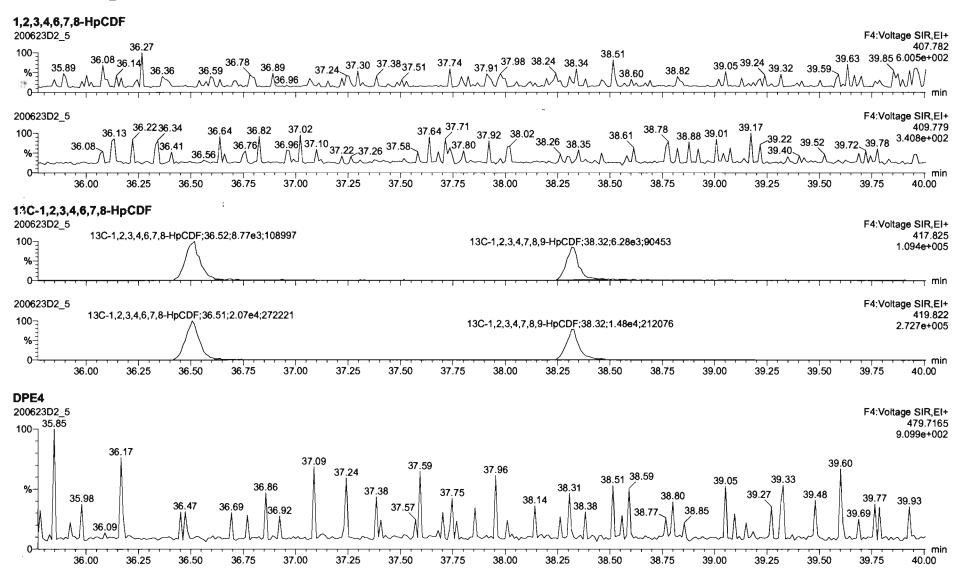
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

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

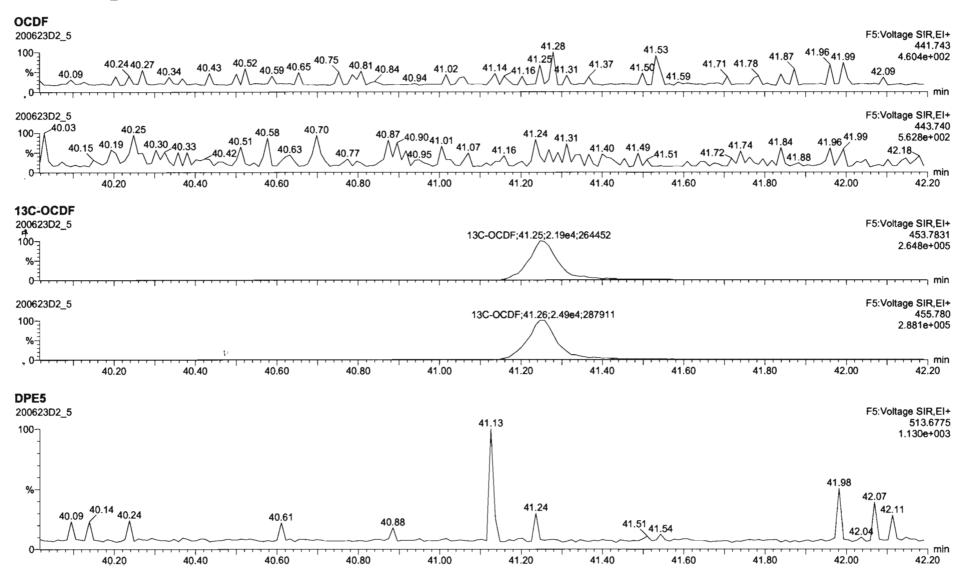


Quantify Sample Report MassLynx 4.1

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

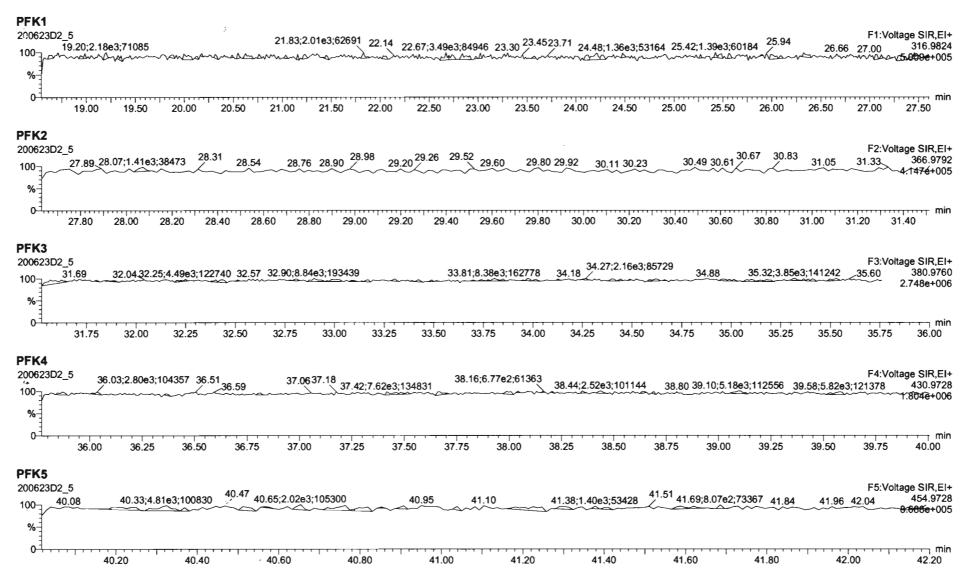


Quantify Sample Report MassLynx 4.1

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	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		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	1.47	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	1.37	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	1.47	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. 9 4	109 63 -170		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	2. 9 4	
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	1.03	1
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	62.2 13-198	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

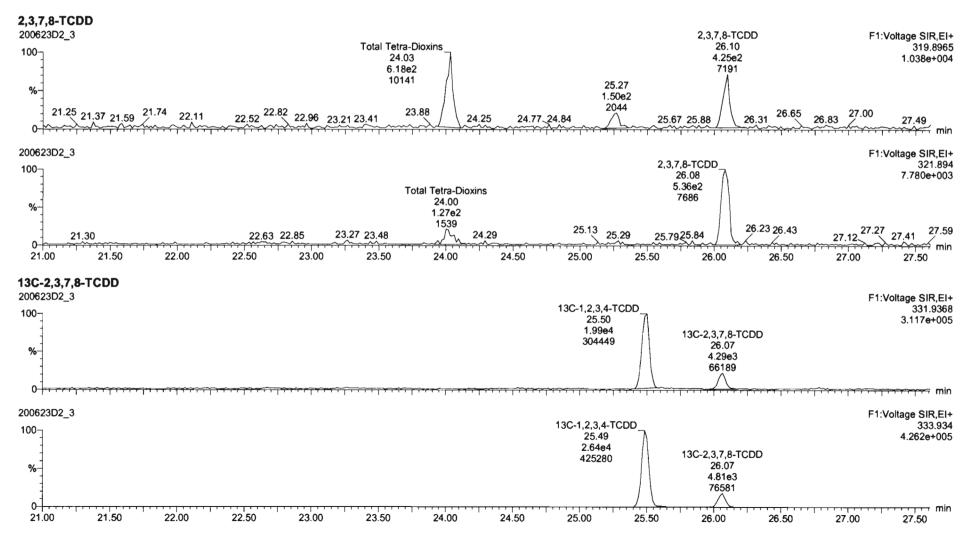
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

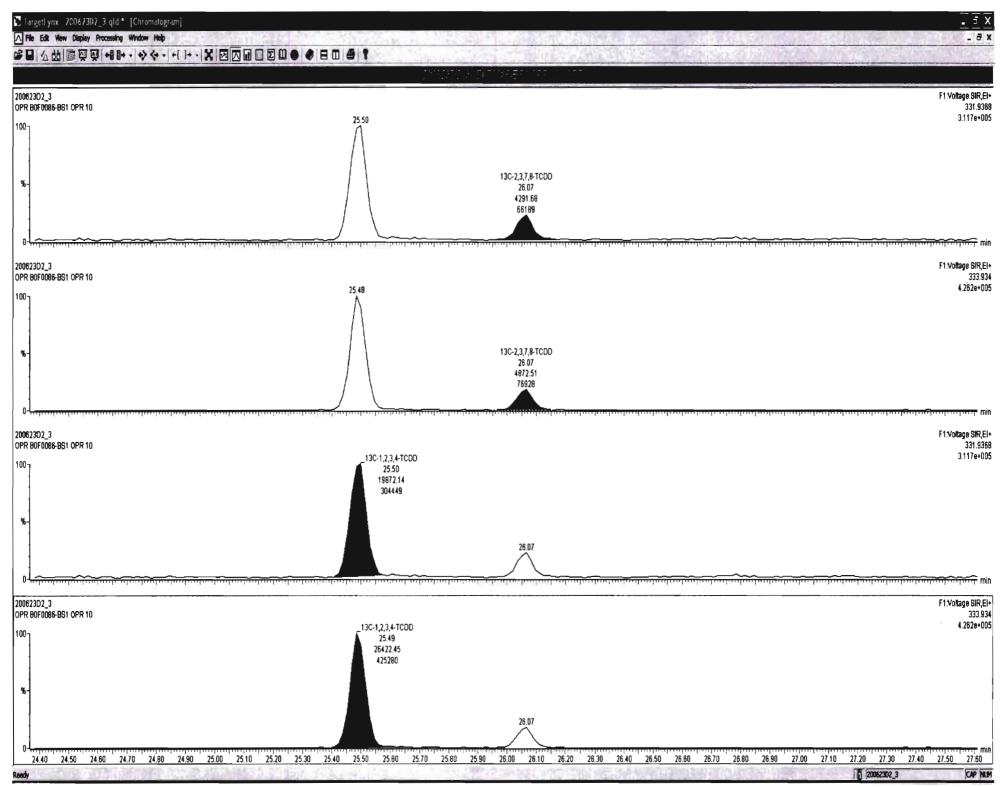
Last Altered: Wednesday, June 24, 2020 11:41:56 Pacific Daylight Time Printed: Wednesday, June 24, 2020 11:43:36 Pacific Daylight Time

10-2-1	# 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 Sam 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



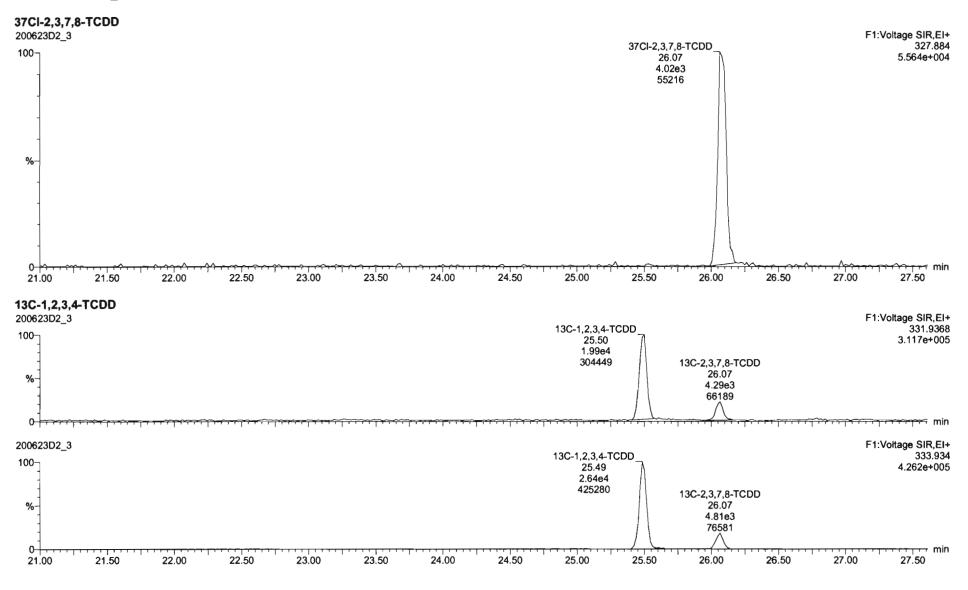


Work Order 2001132

Quantify Sample Report MassLynx 4.1

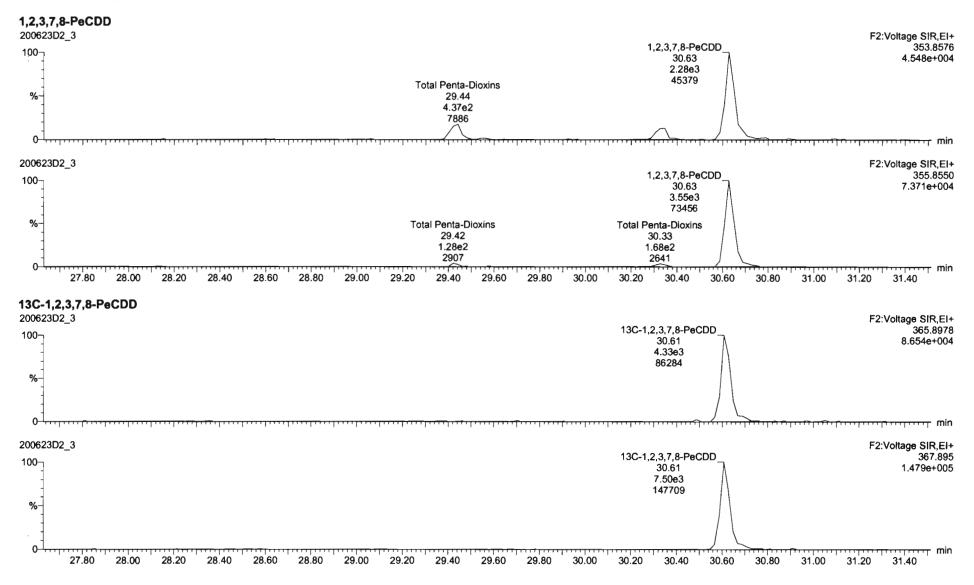
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

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



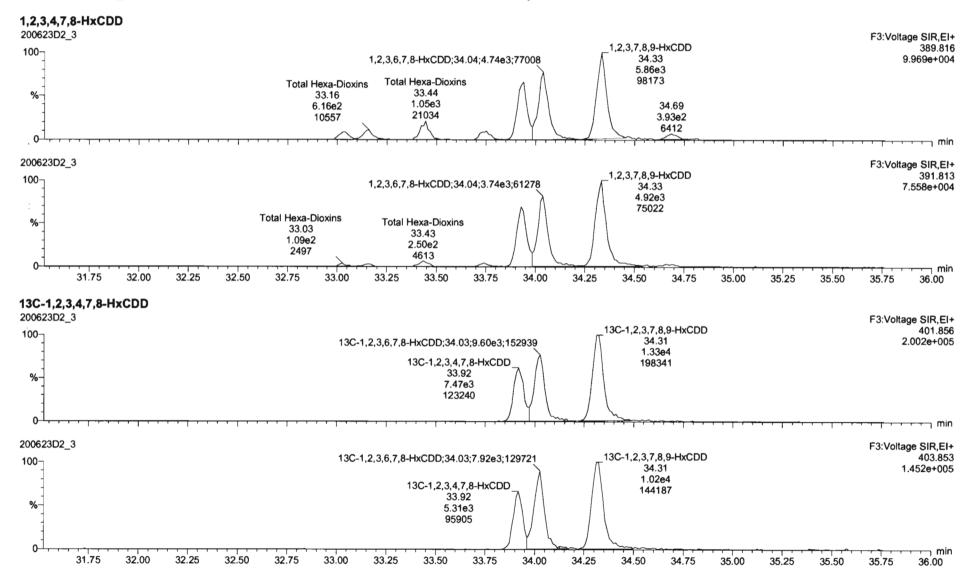
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

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

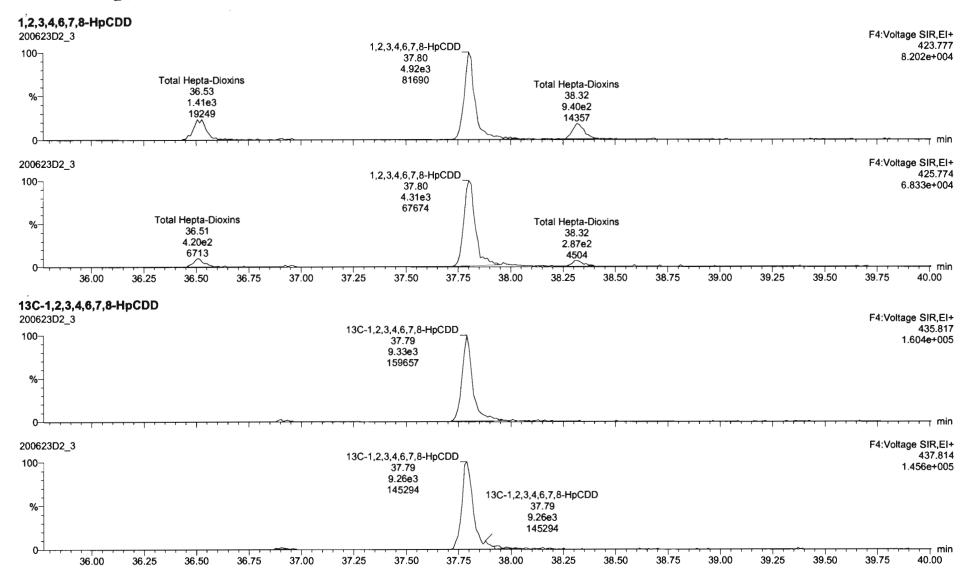
Last Altered:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time



Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1

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

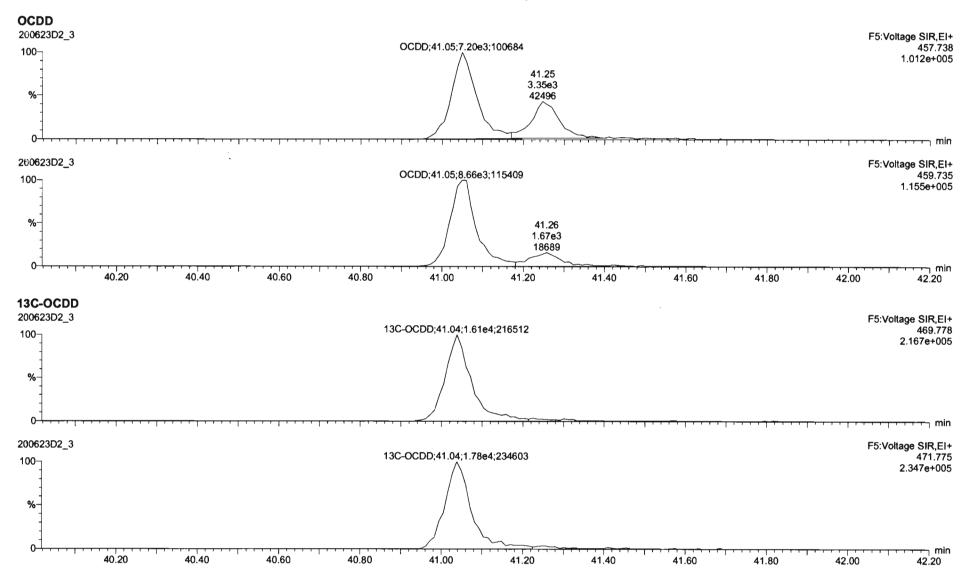
Last Altered:	Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time



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



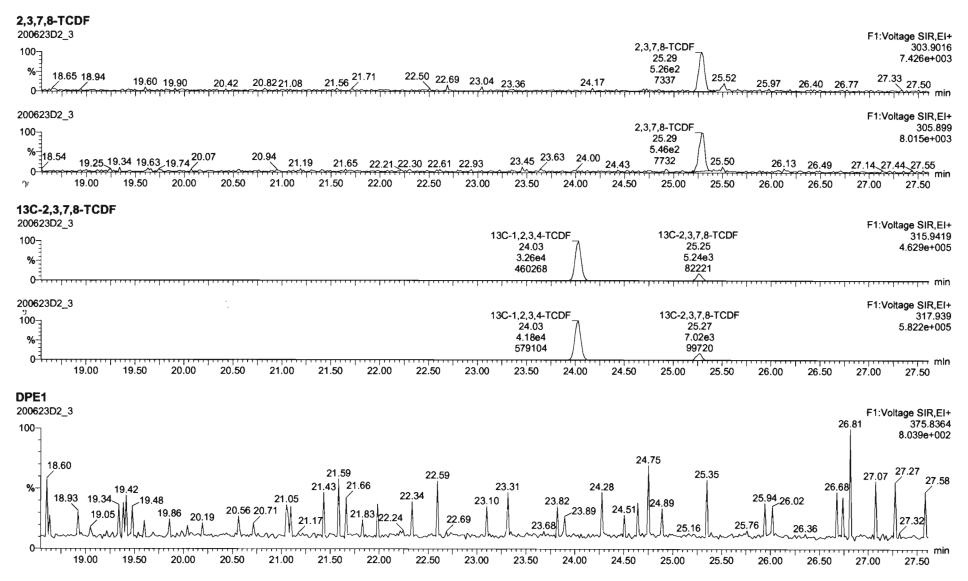
Quantify Sample Report MassLynx 4.1

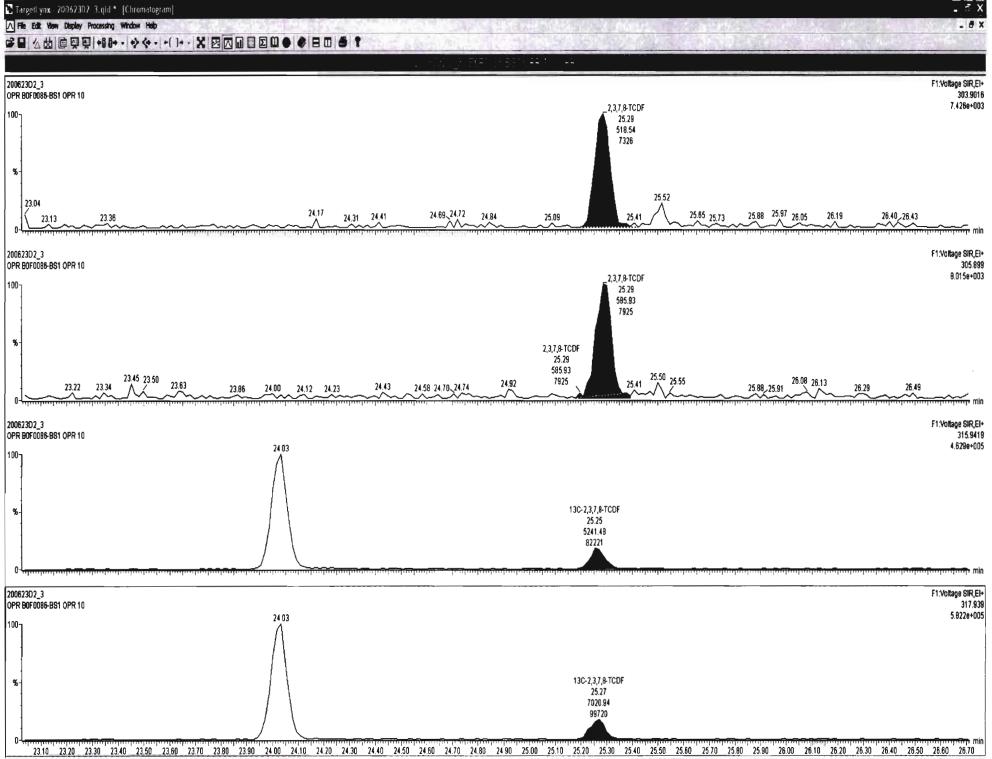
Vista Analytical Laboratory

:.

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





Work Order 2001132

Ready

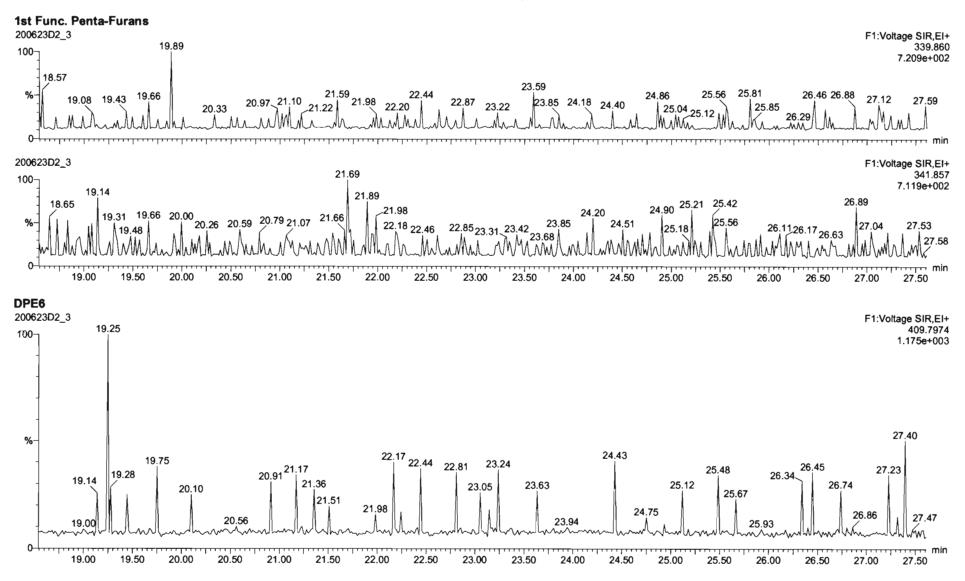
20062302_3 CAP NUM

Page 59 of 586

Page 8 of 13

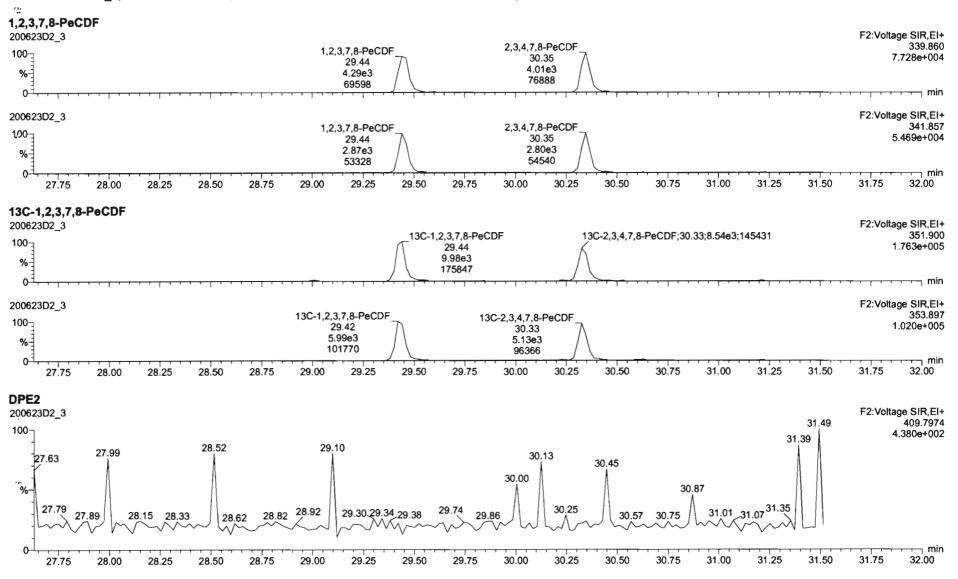
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

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



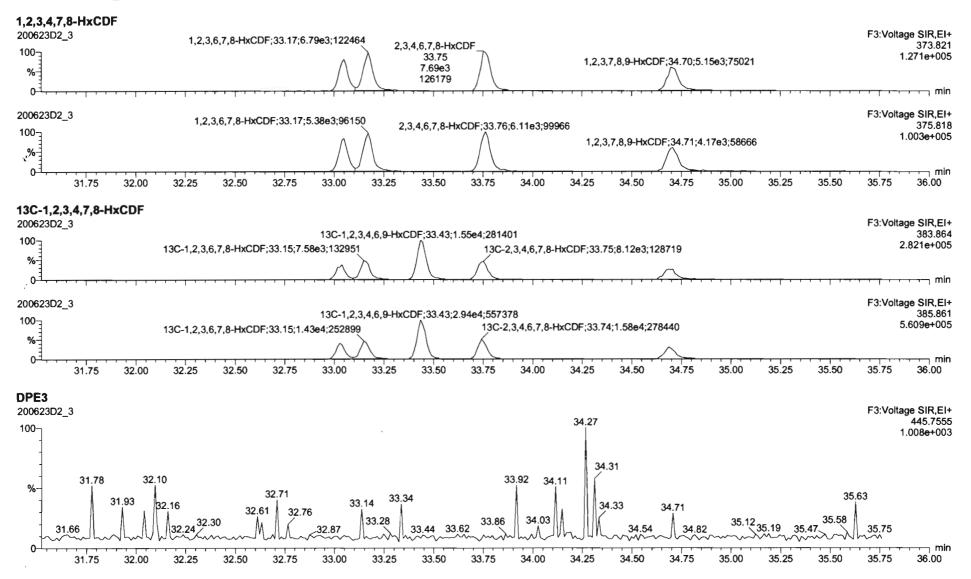
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

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



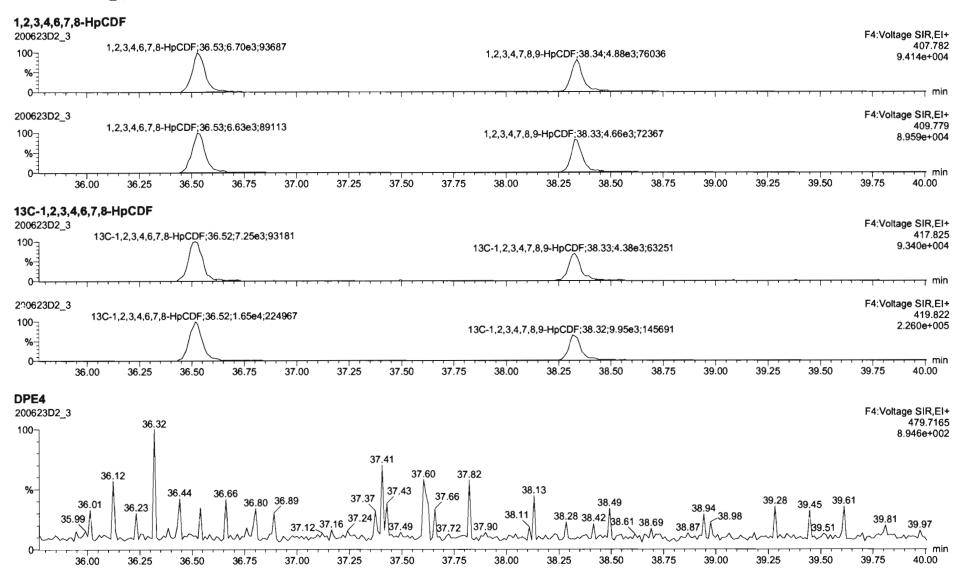
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

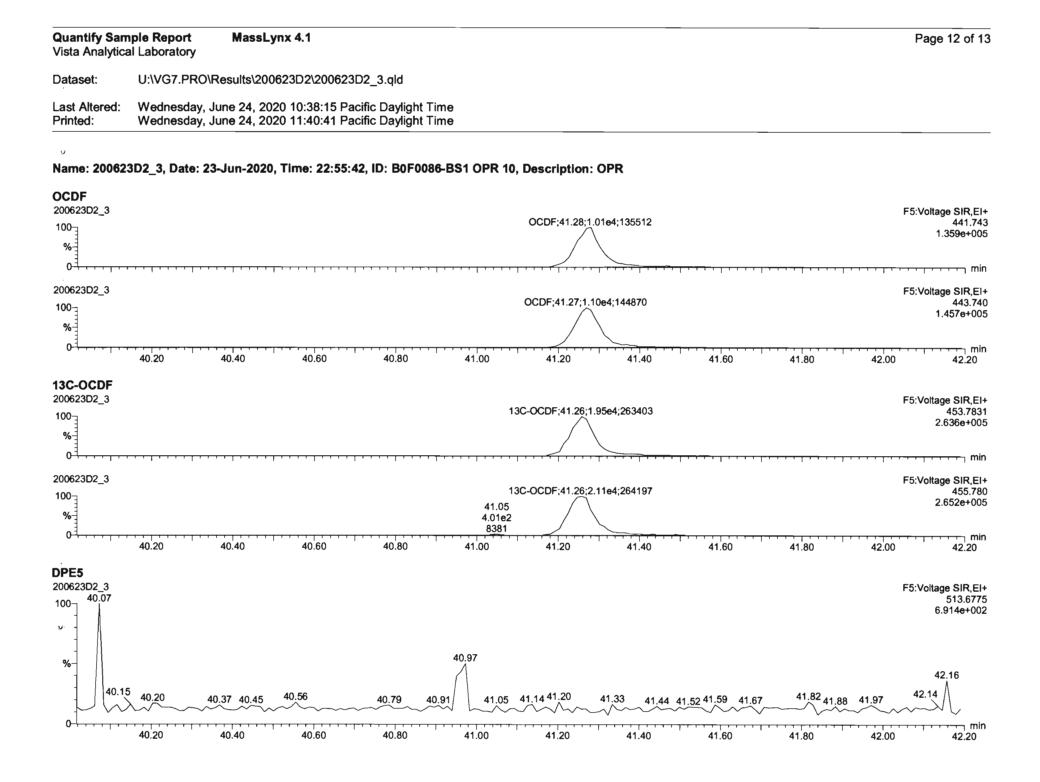
Last Altered:Wednesday, June 24, 2020 10:38:15 Pacific Daylight TimePrinted:Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time



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

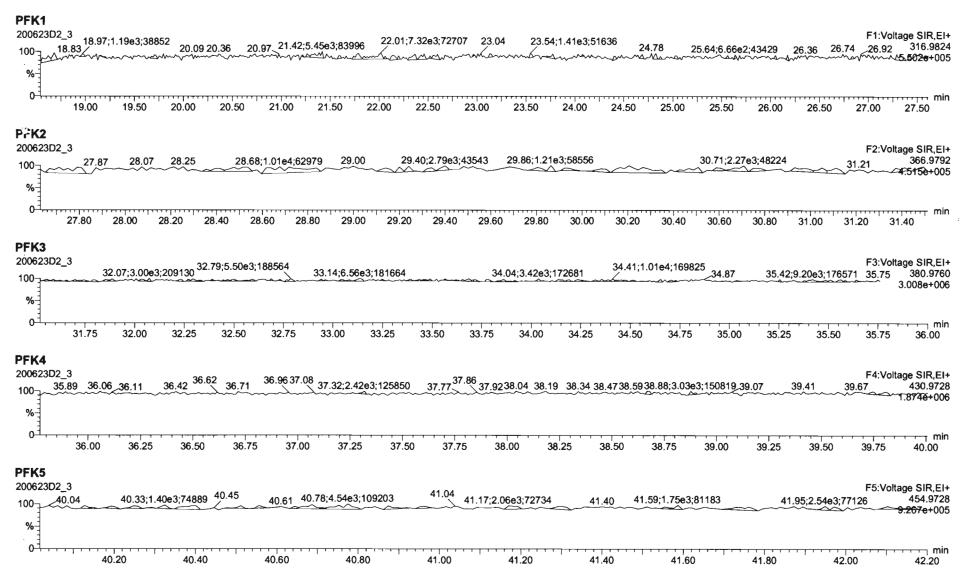




Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

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

-	nple Summary Report MassLynx 4.1 SCN815 al Laboratory		Page 1
Dataset:	U:\VG12.PRO\Results\200626R3\200623R3-12.qld		
Last Altered: Printed:	Tuesday, June 30, 2020 2:37:57 PM Pacific Daylight Time Tuesday, June 30, 2020 2:40:29 PM Pacific Daylight Time	GPA	3 06/30/20

GPB 06/30/2020

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: 200626R3 12, Date: 27-Jun-2020, Time: 06:07:20, ID: 2001132-01 PDI-172SC-A-03-04-200520 12.63, Description: PDI-172SC-A-03-04-200520

Ser and	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1 - A Contractor	1 2,3,7,8-TCDD			NO	0.888	10.010	26.516		1.001				0.0877	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.010	31.473		1.001				0.151	
3	3 1,2,3,4,7,8-HxCDD	9.89e2	1.30	NO	1.03	10.010	34.846	34.94	1.000	1.003	0.70002		0.135	0.700
4 2 3 4 3 3 3	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.010	34.943		1.000				0.136	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.010	35.241		1.000				0.156	
6	6 1,2,3,4,6,7,8-HpCDD	1.33e4	0.95	NO	0.864	10.010	38.799	38.80	1.000	1.000	13.308		0.448	13.3
7542 1 1	7 OCDD	2.71e5	0.87	NO	0.914	10.010	41.812	41.82	1.000	1.000	297.03	,	0.912	297
8	8 2,3,7,8-TCDF			NO	0.751	10.010	25.612		1.001				0.119	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.010	30.190		1.001				0.0830	
10 1 10 -	10 2,3,4,7,8-PeCDF	8.06e2	1.58	NO	0.935	10.010	31.177	31.19	1.001	1.001	0.30132		0.0766	0.301
11	11 1,2,3,4,7,8-HxCDF	3.17e2	1.29	NO	0.884	10.010	33.963	34.01	1.000	1.001	0.20557		0.131	0.206
12	12 1,2,3,6,7,8-HxCDF	5.66e2	1.27	NO	0.889	10.010	34.100	34.10	1.000	1.000	0.30650		0.126	0.306
13	13 2,3,4,6,7,8-HxCDF	4.07e2	1.37	NO	0.934	10.010	34.711	34.69	1.001	1.000	0.22899		0.131	0.229
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.010	35.592		1.000				0.215	
15	15 1,2,3,4,6,7,8-HpCDF	3.32e3	1.02	NO	0.873	10.010	37.408	37.38	1.001	1.000	2.9209		0.170	2.92
16	16 1,2,3,4,7,8,9-HpCDF	.*		NO	1.01	10.010	39.341		1.000				0.217	
17	17 OCDF	2.08e3	0.76	NO	0.806	10.010	41.993	42.01	1.000	1.001	2.3407		0.211	2.34
18	18 13C-2,3,7,8-TCDD	5.05e5	0.78	NO	1.16	10.010	26.507	26.48	1.026	1.026	159.52	79.8	0.299	
19	19 13C-1,2,3,7,8-PeCDD	4.22e5	0.62	NO	0.849	10.010	31.692	31.45	1.227	1.218	181.57	90.9	0.456	
20	20 13C-1,2,3,4,7,8-HxCDD	2.73e5	1.27	NO	0.779	10.010	34.841	34.84	1.014	1.014	173.36	86.8	0.755	
21	21 13C-1,2,3,6,7,8-HxCDD	3.87 e 5	1.34	NO	1.02	10.010	34.955	34.94	1.017	1.017	188.06	94.1	0.578	
22	22 13C-1,2,3,7,8,9-HxCDD	3. 44e 5	1.32	NO	0.903	10.010	35.226	35.23	1.025	1.025	188.27	94.2	0.651	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.31e5	1.05	NO	0.689	10.010	38.751	38.79	1.128	1.129	165.49	82.8	0.827	
24	24 13C-OCDD	3.99e5	0.87	NO	0.652	10.010	41.775	41.81	1.216	1.217	302.68	75.7	0.756	
25	25 13C-2,3,7,8-TCDF	5.90e5	0.77	NO	1.06	10.010	25.549	25.59	0.989	0.991	141.82	71.0	0.349	
26	26 13C-1,2,3,7,8-PeCDF	5.79e5	1.58	NO	0.838	10.010	30.076	30.17	1.165	1.168	175.71	87.9	0.883	
27	27 13C-2,3,4,7,8-PeCDF	5.72e5	1.58	NO	0.817	10.010	31.029	31.15	1.202	1.206	178.17	89.2	0.906	
28	28 13C-1,2,3,4,7,8-HxCDF	3.48e5	0.50	NO	1.01	10.010	33.972	33.96	0.989	0.989	170.78	85.5	0.903	
29	29 13C-1,2,3,6,7,8-HxCDF	4.15e5	0.50	NO	1.17	10.010	34.096	34.09	0.992	0.992	175.58	87.9	0.780	
30	30 13C-2,3,4,6,7,8-HxCDF	3.80e5	0.47	NO	1.02	10.010	34.670	34.68	1.009	1.009	183.97	92.1	0.891	
31	31 13C-1,2,3,7,8,9-HxCDF	3.06e5	0.49	NO	0.860	10.010	35.570	35.59	1.035	1.036	175.94	88.1	1.06	

. .

1 of 2

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

Page 2 of 2

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-12.qld

Last Altered:	Tuesday, June 30, 2020 2:37:57 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 2:40:29 PM Pacific Daylight Time

Name: 200626R3_12, Date: 27-Jun-2020, Time: 06:07:20, ID: 2001132-01 PDI-172SC-A-03-04-200520 12.63, Description: PDI-172SC-A-03-04-200520

- Alleren	# 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	2.60e5	0.42	NO	0.774	10.010	37.319	37.37	1.086	1.088	166.17	83.2	0.656	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.68e5	0.42	NO	0.521	10.010	39.349	39.34	1.145	1.145	159.54	79.9	0.975	
34	34 13C-OCDF	4.40e5	0.87	NO	0.746	10.010	41.946	41.99	1.221	1.222	291.35	72.9	0.581	1
35	35 37CI-2,3,7,8-TCDD	1.98e5			1.04	10.010	26.538	26.50	1.028	1.026	69.743	87.3	0.0980	
36	36 13C-1,2,3,4-TCDD	5.47e5	0.79	NO	1.00	10.010	25.890	25.83	1.000	1.000	199.80	100	0.346	
37	37 13C-1,2,3,4-TCDF	7.85e5	0.79	NO	1.00	10.010	24.360	24.13	1.000	1.000	199.80	100	0.370	
38	38 13C-1,2,3,4,6,9-HxCDF	4.04e5	0.51	NO	1.00	10.010	34.420	34.36	1.000	1.000	199.80	100	0.910	
39	39 Total Tetra-Dioxins				0.888	10.010	24.620		0.000				0.0527	ļ
40	40 Total Penta-Dioxins				0.908	10.010	29.960		0.000		0.75580		0.151	0.756
41	41 Total Hexa-Dioxins				0.892	10.010	33.635		0.000		6.6230		0.148	6.62
42	42 Total Hepta-Dioxins				0.864	10.010	37.640		0.000		38.115		0.448	38.1
13	43 Total Tetra-Furans				0.751	10.010	23.610		0.000		1.7546		0.119	1.99
44	44 1st Func. Penta-Furans				0.893	10.010	27.580		0.000		4.1898		0.0391	4.19
45	45 Total Penta-Furans				0.893	10.010	29.275		0.000		1.9952		0.0816	2.00
46	46 Total Hexa-Furans				0.934	10.010	33.555		0.000		5.5385		0.141	5.54
47	47 Total Hepta-Furans	_			0.873	10.010	37.835	_	0.000		6.9778		0.202	6.98

Quantify Totals Report MassLynx 4.1 SCN815

Vista Analytical Laboratory

U:\VG12.PRO\Results\200626R3\200623R3-12.qld Dataset:

Last Altered:	Tuesday, June 30, 2020 2:37:57 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 2:40:29 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: 200626R3_12, Date: 27-Jun-2020, Time: 06:07:20, ID: 2001132-01 PDI-172SC-A-03-04-200520 12.63, Description: PDI-172SC-A-03-04-200520

Tetra-Dioxins

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

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1日1日日午日四日	Total Penta-Dioxins	29.24	4.699e3	6.925e3	3.155e2	4.395e2	0.72	NO	7.549e2	0.39365	0.39365	0.151
2	Total Penta-Dioxins	29.73	2.852e3	3.509e3	1.089e2	1.928e2	0.56	NO	3.017e2	0.15730	0.15730	0.151
3	Total Penta-Dioxins	30.21	3.159e3	5.658e3	1.467e2	2.462e2	0.60	NO	3.929e2	0.20485	0.20485	0.151

Hexa-Dioxins

Name	RT	mi Height	m2 Height	1	mi Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hexa-Dioxins	33.35	4.712e4	4.630e4		2.559e3	2.159e3	1.19	NO	4.717e3	3.1563	3.1563	0.148
2 Total Hexa-Dioxins	33.90	4.875e3	4.170e3		2.928e2	2.436e2	1.20	NO	5.363e2	0.35888	0.35888	0.148
3 Total Hexa-Dioxins	34.17	3.150e4	2.319e4		2.050e3	1.549e3	1.32	NO	3.598e3	2.4078	2.4078	0.148
4 1,2,3,4,7,8-HxCDD	34.94	9.267e3	9.384e3		5.586e2	4.307e2	1.30	NO	9.893e2	0.70002	0.70002	0.135

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxins	37.79	1.505e5	1.498e5	1.258e4	1.217e4	1.03	NO	2.475e4	24.807	24.807	0.448
2 1,2,3,4,6,7,8-HpCDD	38.80	8.657e4	9.151e4	6.45 4e 3	6.825e3	0.95	NO	1.328e4	13.308	13.308	0:448

Page 1 of 3

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-12.qld

Last Altered:	Tuesday, June 30, 2020 2:37:57 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 2:40:29 PM Pacific Daylight Time

Name: 200626R3_12, Date: 27-Jun-2020, Time: 06:07:20, ID: 2001132-01 PDI-172SC-A-03-04-200520 12.63, Description: PDI-172SC-A-03-04-200520

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Flesp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Tetra-Furans	20.87	5.986e3	3.991e3	2.056e2	2.430e2	0.85	NO	4.485e2	0.20212	0.20212	0.119
2 Total Tetra-Furans	21.48	7.946e3	1.171e4	8.371e2	1.217e3	0.69	NO	2.054e3	0.92550	0.92550	0.119
3 Total Tetra-Furans	22.47	3.048e3	3.913e3	2.744e2	3.823e2	0.72	NO	6.567e2	0.29595	0.29595	0.119
4 Total Tetra-Furans	22.94	3.556e3	4.543e3	3.133e2	4.212e2	0.74	NO	7.345e2	0.33100	0.33100	0.119
5 Total Tetra-Furans	27.59	4.769e3	4.708e3	2.595e2	2.900e2	0.89	YES	0.000e0	0.00000	0.23135	0.119

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 1st Func. Penta-Furans	27.61	1.044e5	6.249e4	6.461e3	4.307e3	1.50	NO	1.077e4	4.1898	4.1898	0.0391

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Penta-Furans	29.18	2.133e4	1.179e4	1.808e3	1.134e3	1.59	NO	2.942e3	1.1449	1.1449	0.0816
2 Total Penta-Furans	29.79	1.406e4	7.746e3	6.942e2	4.289e2	1.62	NO	1.123e3	0.43698	0.43698	0.0816
3 2,3,4,7,8-PeCDF	31.19	1.139e4	6.587e3	4.941e2	3.121e2	1.58	NO	8.062e2	0.30132	0.30132	0.0766
4 Total Penta-Furans	31.21	9.749e3	4.774e3	1.707e2	1.171e2	1.46	NO	2.878e2	0.11199	0.11199	0.0816

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.79	1.024 c4	8.251e3	5.515e2	4.704e2	1.17	NO	1.022e3	0.60339	0.60339	0.141
2	Total Hexa-Furans	32.96	4.464e4	3.256e4	2.056e3	1.661e3	1.24	NO	3.718e3	2.1950	2.1950	0.141
3	Total Hexa-Furans	33.52	3.804e4	2.779 c4	1.916e3	1.470e3	1.30	NO	3.386e3	1.9991	1.9991	0.141
	1,2,3,4,7,8-HxCDF	34.01	3.588e3	2.335e3	1.786e2	1.382e2	1.29	NO	3.168e2	0.20557	0.20557	0.131
5 34 200	1,2,3,6,7,8-HxCDF	34.10	5.832e3	4.460e3	3.162e2	2.493e2	1.27	NO	5.655e2	0.30650	0.30650	0.126
6	2,3,4,6,7,8-HxCDF	34.69	3.710e3	2.873e3	2.352e2	1.721e2	1.37	NO	4.072e2	0.22899	0.22899	0.131

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-12.qld

Last Altered: Tuesday, June 30, 2020 2:37:57 PM Pacific Daylight Time Tuesday, June 30, 2020 2:40:29 PM Pacific Daylight Time

Name: 200626R3_12, Date: 27-Jun-2020, Time: 06:07:20, ID: 2001132-01 PDI-172SC-A-03-04-200520 12.63, Description: PDI-172SC-A-03-04-200520

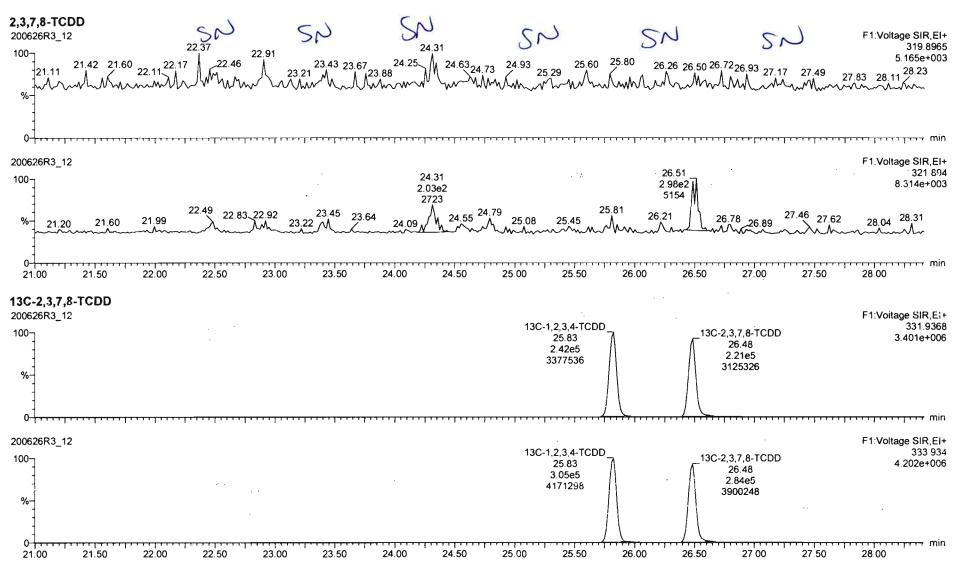
Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 1,2,3,4,6,7,8-HpCDF	37.38	1.936e4	2.067e4	1.679e3	1.646e3	1.02	NO	3.325e3	2.9209	2.9209	0.170
2 Total Hepta-Furans	38.01	2.692e4	2.585e4	1.955e3	1.845e3	1.06	NO	3.800e3	4.0569	4.0569	0.202

.

Quantify Sam Vista Analytica	• •	MassLynx 4.1 SCN815
Dataset:	Untitled	
Last Altered: Printed:		8, 2020 9:00:45 AM Pacific Daylight Time 8, 2020 9:00:57 AM Pacific Daylight Time

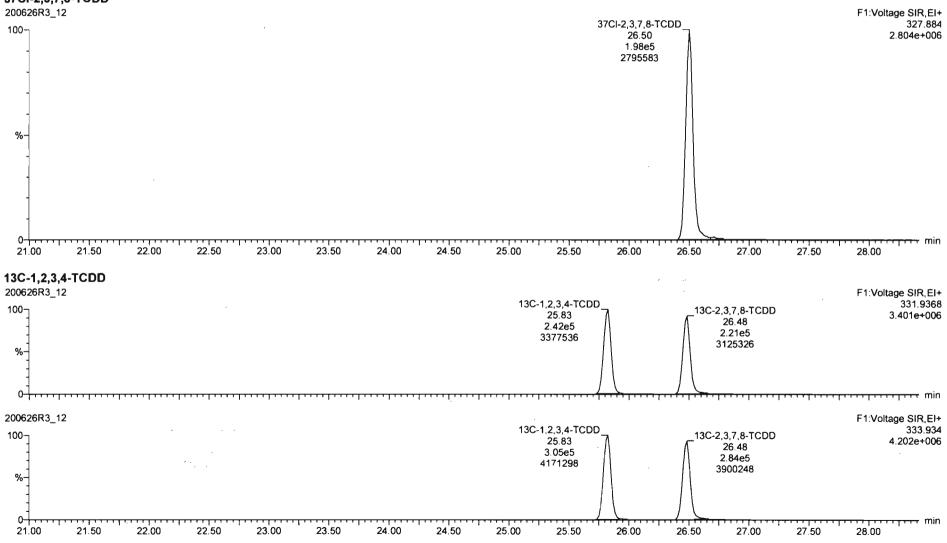
Name: 200626R3_12, Date: 27-Jun-2020, Time: 06:07:20, ID: 2001132-01 PDI-172SC-A-03-04-200520 12.63, Description: PDI-172SC-A-03-04-200520



Page 105 of 169

Quantify San Vista Analytica		Page 106 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	

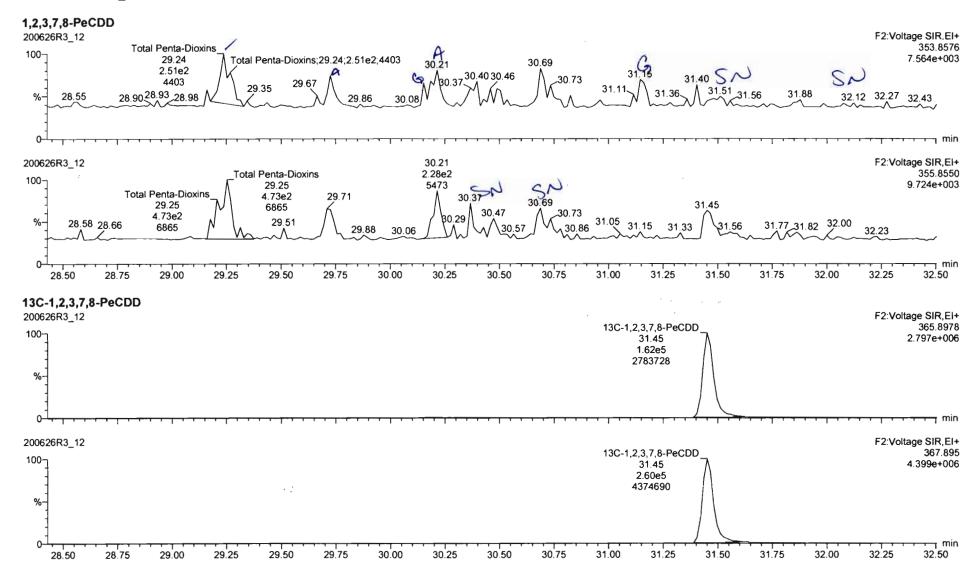
Name: 200626R3_12, Date: 27-Jun-2020, Time: 06:07:20, ID: 2001132-01 PDI-172SC-A-03-04-200520 12.63, Description: PDI-172SC-A-03-04-200520



37CI-2,3,7,8-TCDD

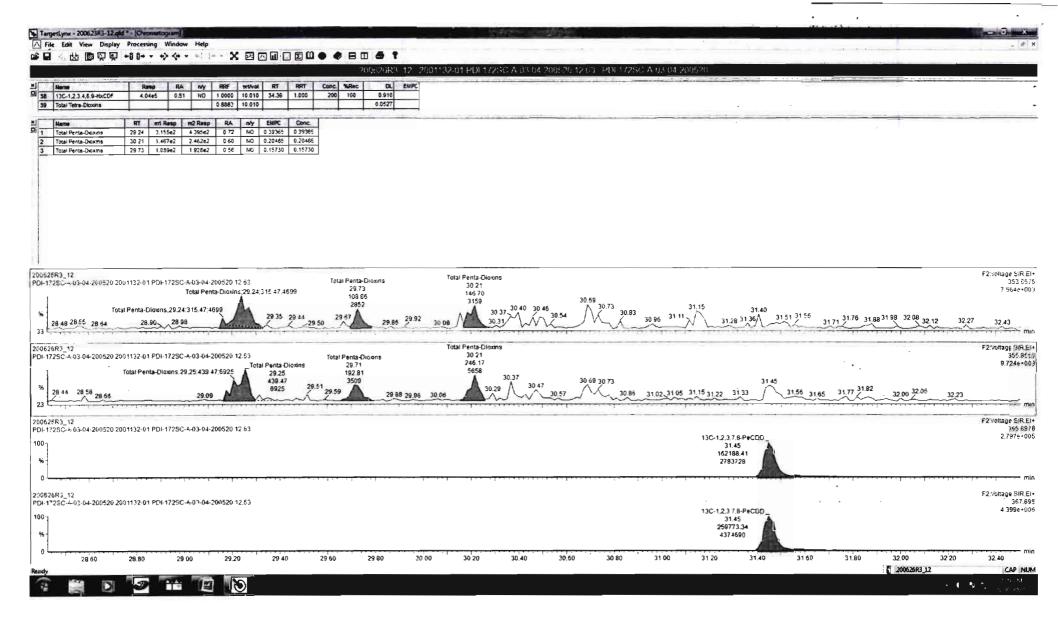
Quantify Sam Vista Analytica		MassLynx 4.1 SCN815	Page 107 of 169
Dataset:	Untitied		

Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



Last Altered:

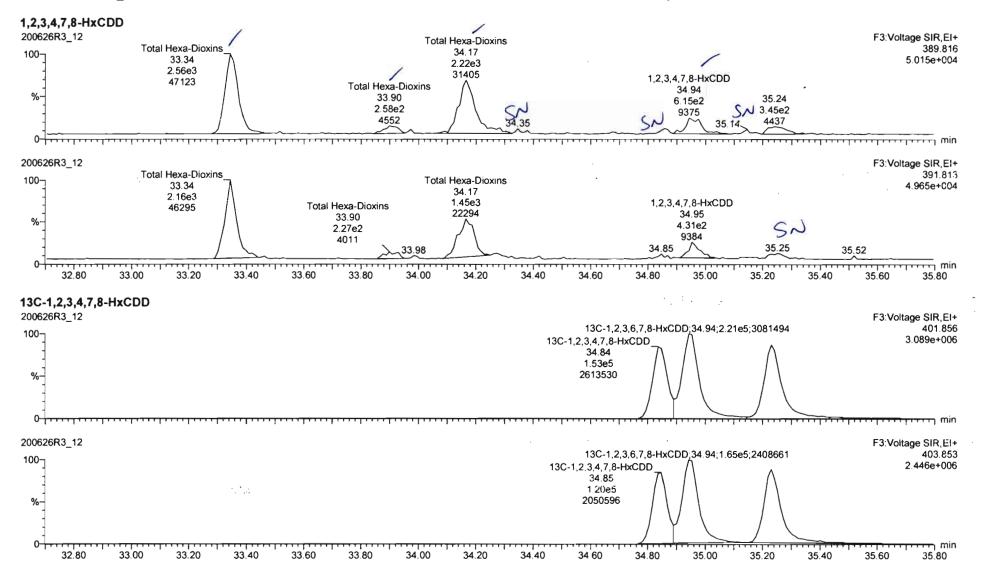
Printed:

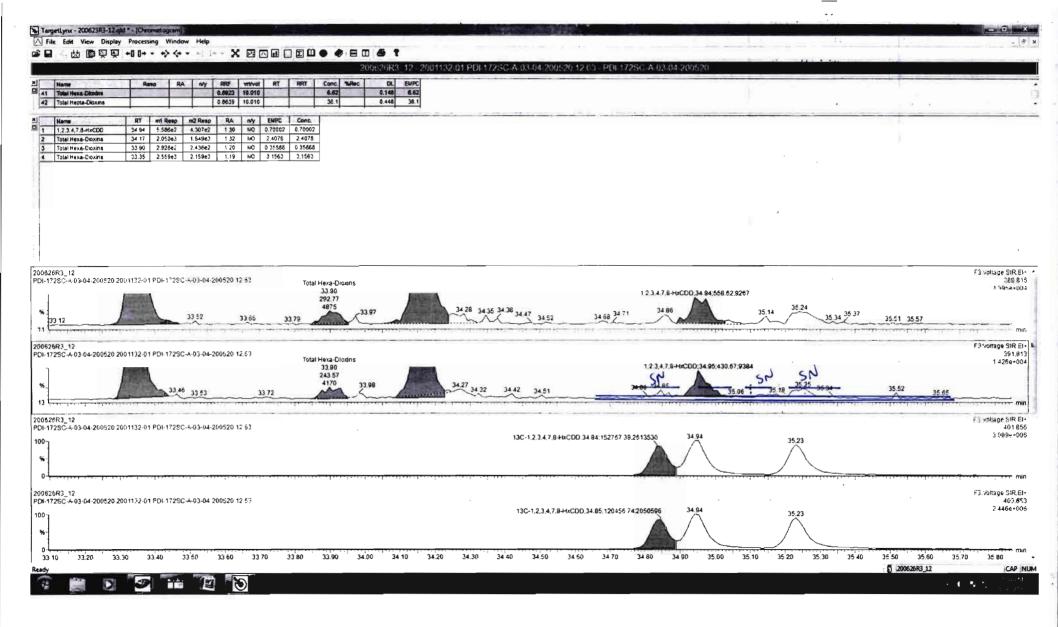


Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

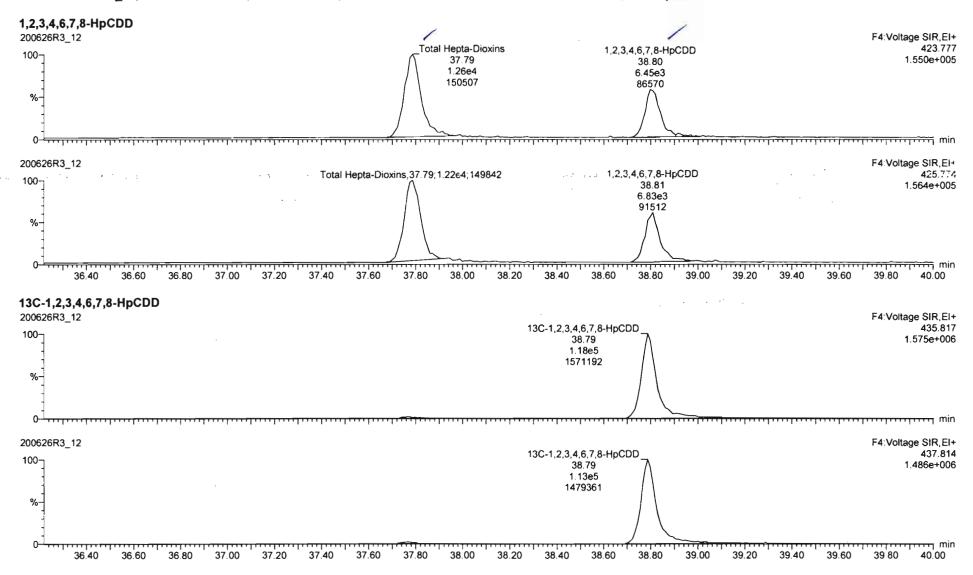
Dataset: Untitled

Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time

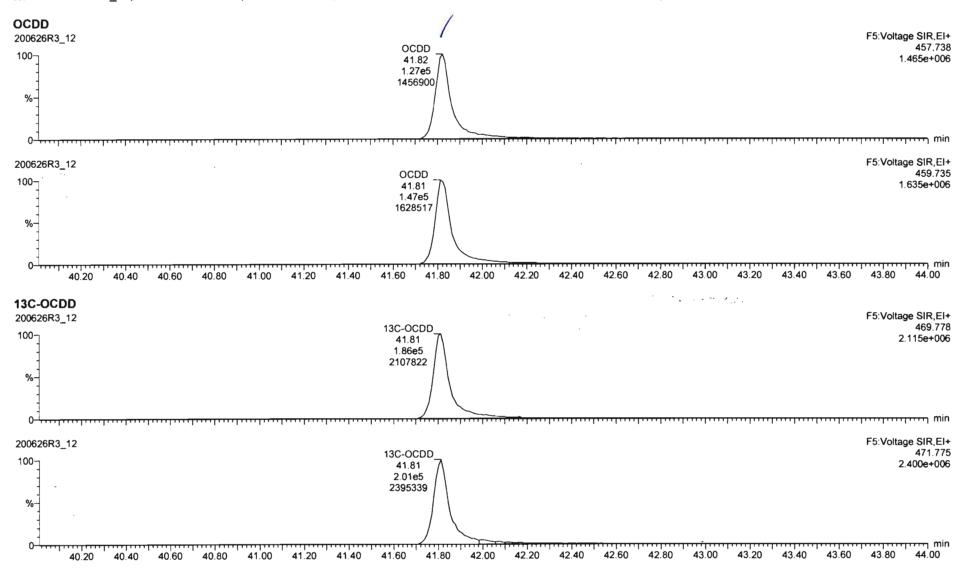




Quantify Sam Vista Analytica		Page 109 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	



Quantify San Vista Analytica		k 4.1 SCN815	Page 110 of 169
Dataset:	Untitled		
Last Altered: Printed:		0:45 AM Pacific Daylight Time 0:57 AM Pacific Daylight Time	



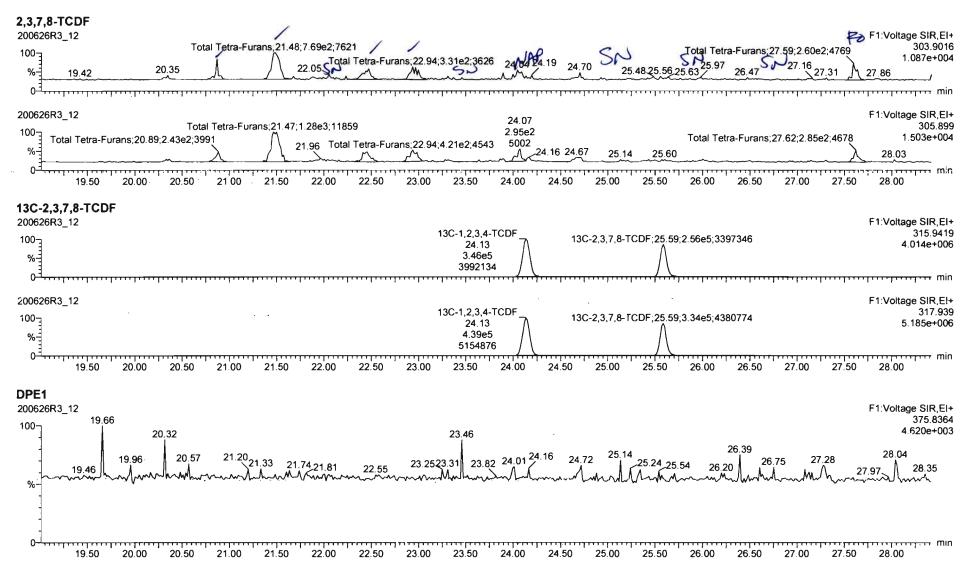
argetiyns - 200623R3-12.qbd *- [Chromatogram]	
A File Edit View Display Processing Window Help □ 日 □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	- // ×
209626R3 12 2001132-01 PDE1/2SC-A 03-04 200520 12.63 PDE1/2SC A 03-04 20	662 0
× Narros Reso BA DV RBF w/vol RT RBF [Conc %RBc DL EMPC	
7 OCDD 2.71e5 0.87 NO 0.9135 19.010 41.82 1.000 297 0.912 297	ł.
XI Name RT #1 Resp #2 Resp RA NY EMPC Conc.	
200626R3_12	F5:volage SIR El+
PDF172SC++03-04-200520 200 1132-01 PDF172SC++03-04-200520 12.63 CCDD;41 82.125686 91 1455466	457 733 1 4650+005
*	
0	
200626R3_12	F5:Voltage SIR,EI+
PDI-172SC-A-03-04-200520 2001132-01 PDI-172SC-A-03-04-200520 12.63 OCDD.41.81.145321.80/1629002	459.735 16356+005
%	
	עען עריידער איז אין אריין אין אין אין אין אין אין אין אין אין
200622R3_12 · · · · · · · · · · · · · · · · · · ·	► F5:voltage SIR EI+ 469 778
13C-OCDD.41.81;186089.20;2107822	- 2.115±+005
	· · · · · · · · · · · · · · · · · · ·
	F5:vonage SIR.EI+
200620R3_12 PDI 172SC-#-03-04-200520 2001132-01 PDI-172SC-#-03-04-200520 12:63	471.775 2.400e+005
100 1 13C-OCDD 41 81/213254 89.2395920	2.4008 1009
*	
40.20 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 Ready	43'40 43.60 43'80 44'00 44'20 14,40 44'60 44'80 45.00

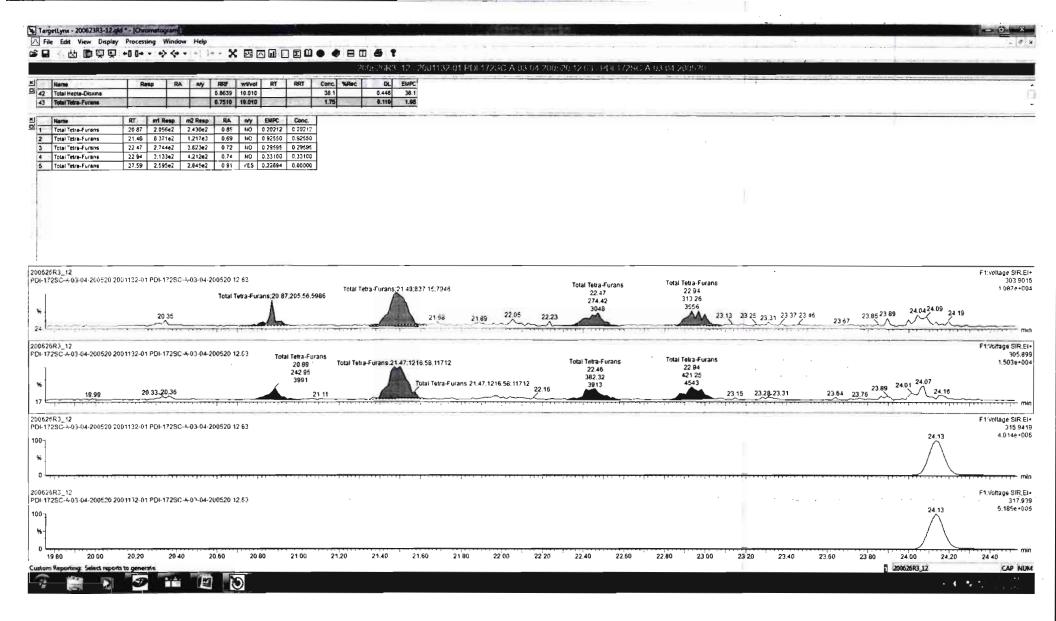
.

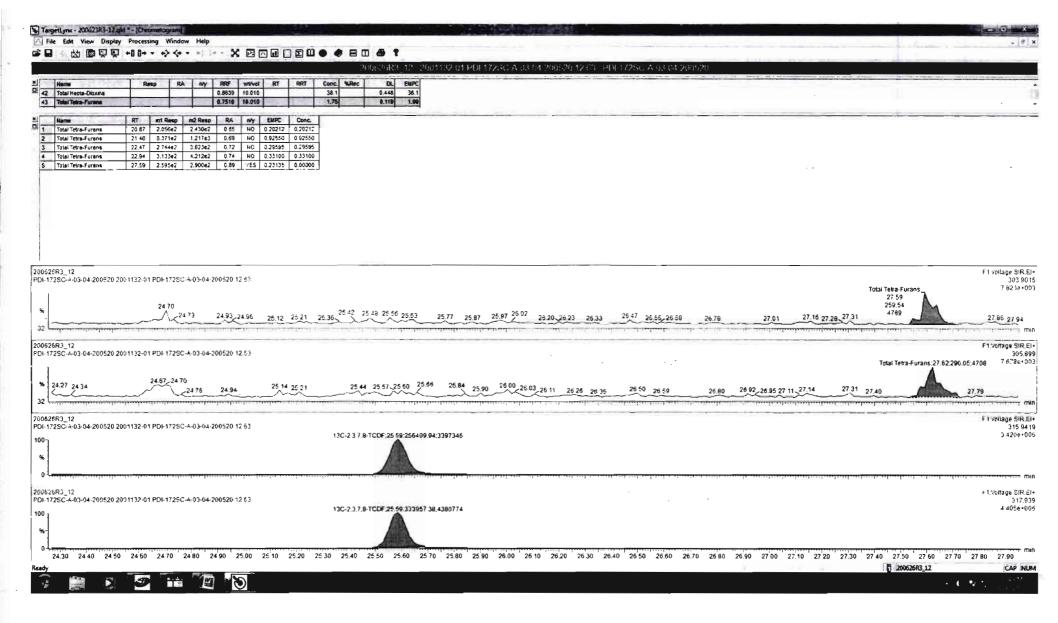
Quantify Sample ReportMassLynx 4.1 SCN815Vista Analytical Laboratory

Dataset: Untitled

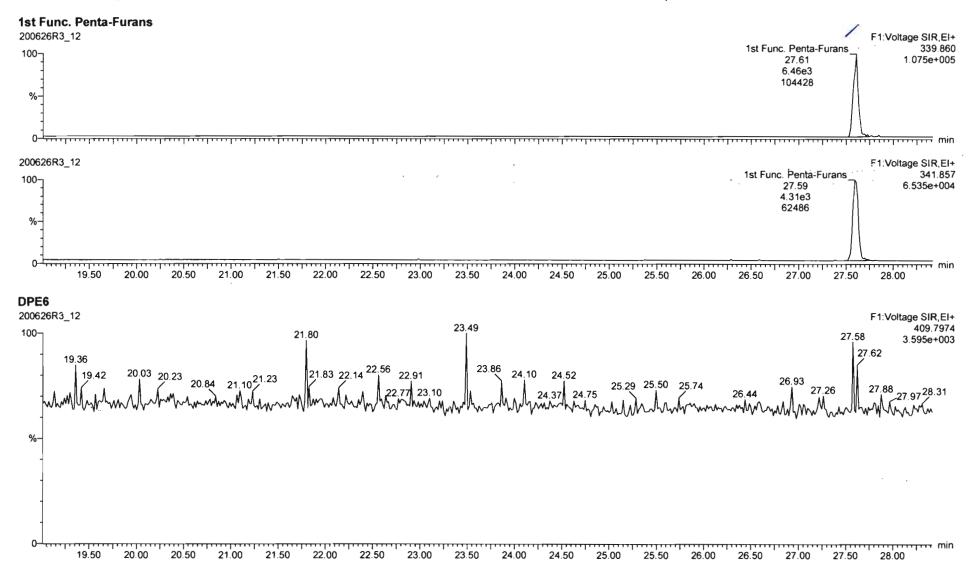
Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time







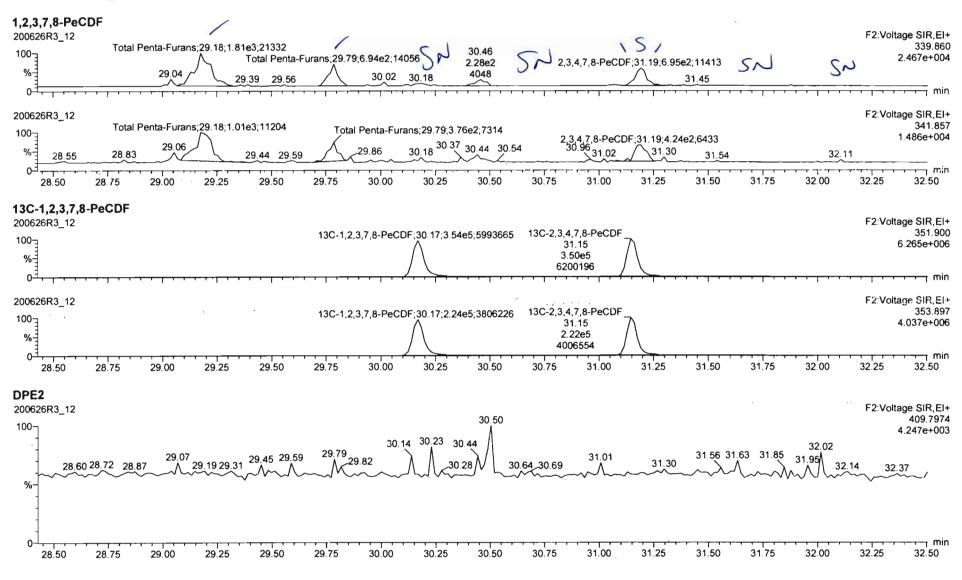
Quantify Sample Report Vista Analytical Laboratory		MassLynx 4.1 SCN815	Page 112 of 169
Dataset:	Untitled		
Last Altered: Printed:		28, 2020 9:00:45 AM Pacific Daylight Time 28, 2020 9:00:57 AM Pacific Daylight Time	

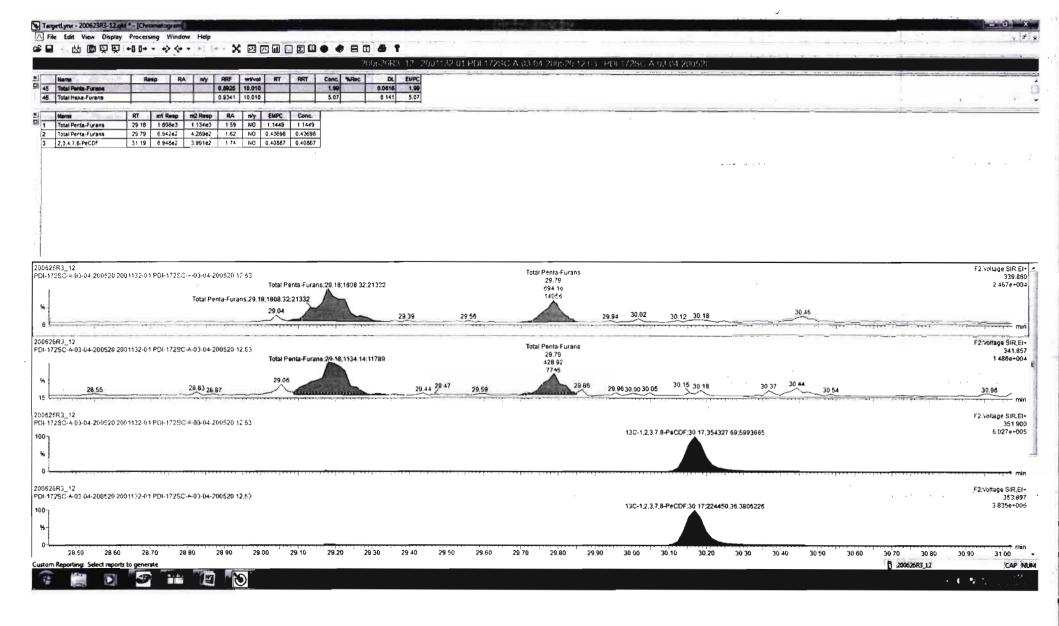


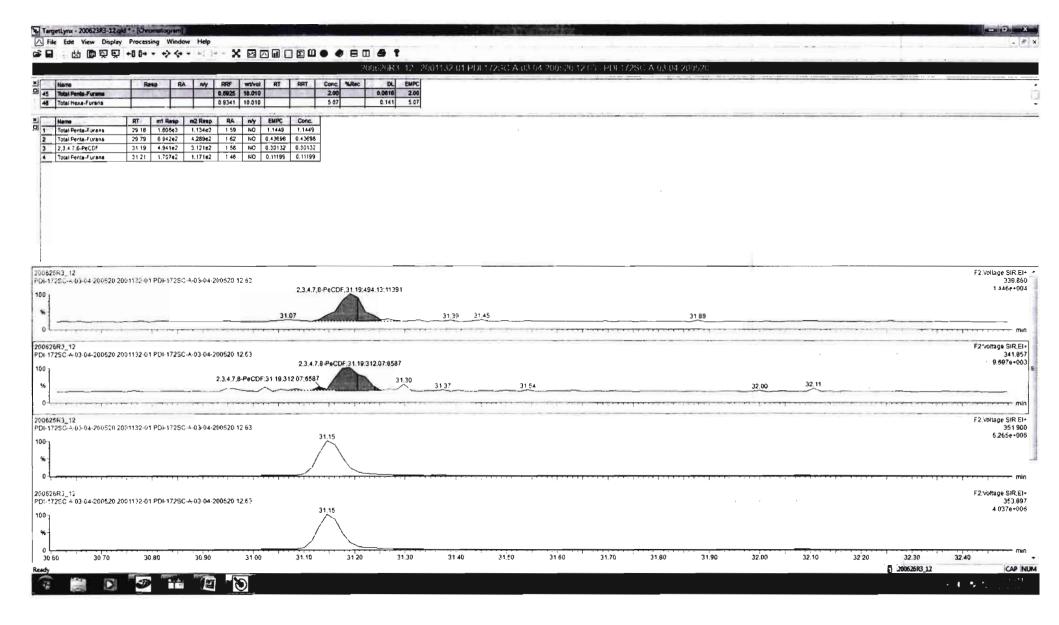
Quantify Sample ReportMassLynx 4.1 SCN815Vista Analytical Laboratory

Dataset: Untitled

Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



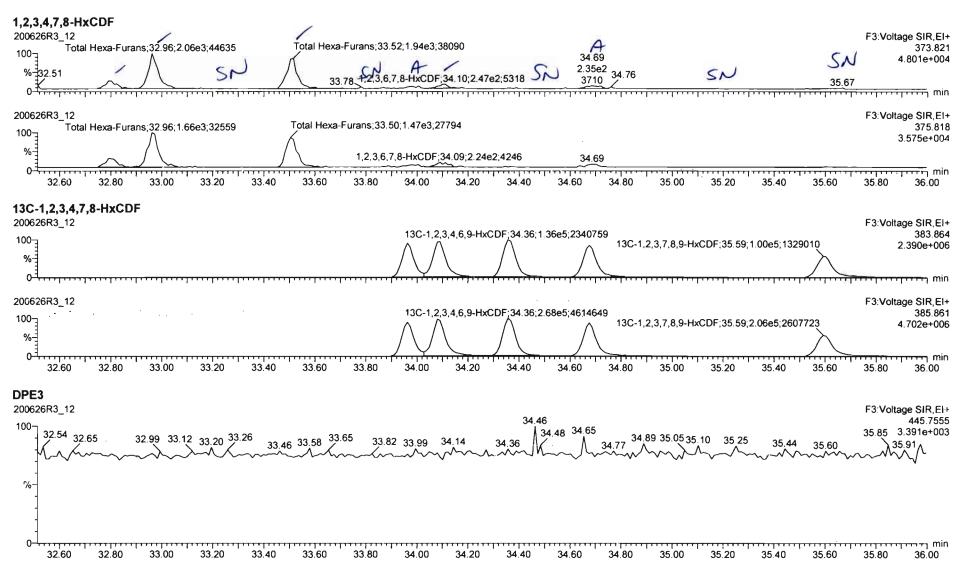


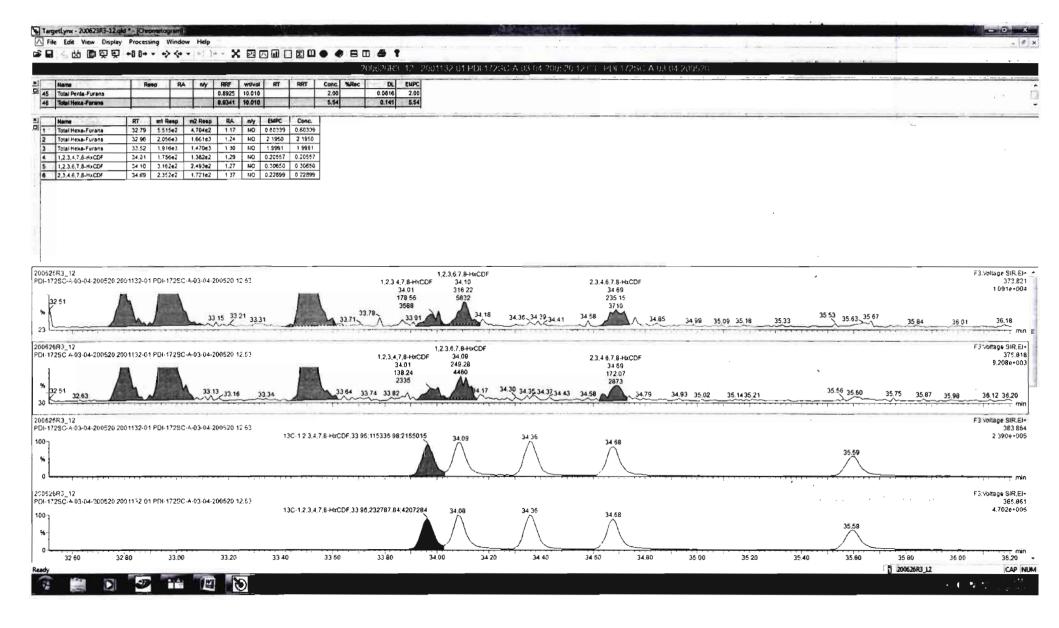


Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

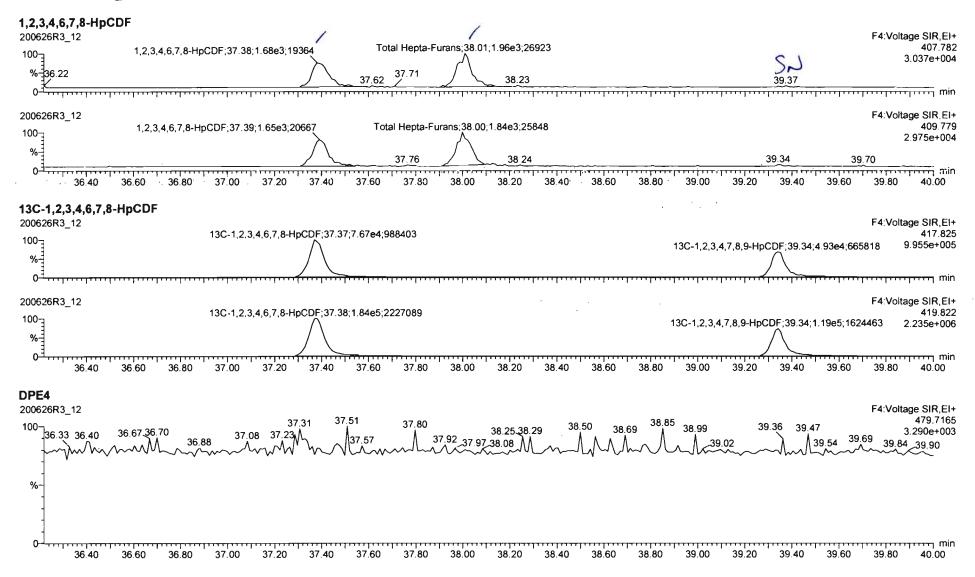
Dataset: Untitled

Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time

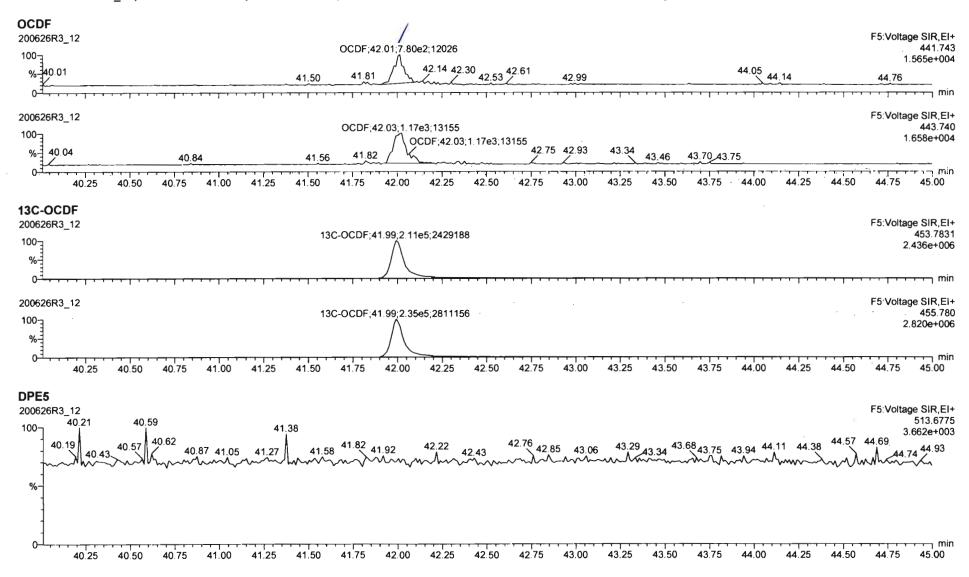




Quantify San Vista Analytica		Page 115 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	



Quantify Sam Vista Analytica		Page 116 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	



	nty R	RF wt		RT	RRT	Conc. %Re	ю	DL E	MPC															
		5065 10. 1563 10.			1.001	2.34		9.211 0.299	2.34															
010	NU [1.	1963 10.		20 40	1.020	160 78.	•	4.230																
mi Resp m2	Resp	RA n	NY E	MPC	Conc.																			
																		•						
							•																	
POF1728C + 0)3-04-200	520 12 63	2																•				F5.volta	ge SiR. 4417
								00	OF.42 01.897.	44 12567													1	565e+(
									A															
						41.50		41.81	4183	42 14 42 17	12 3U	42 53 42.6	1	42.99					44 05	44 14			44.76	
		11-11			-1-+++++		1			9-9-9-9	1		-					1			1			
																				10000			F5.Volta	ae SIR
PDI-1725C-A-0	03-04-200	520 12.63	3					~	DF:42 03;117	0.00 10040													1	443. 658e+
									1												·			1.006-0
								418		OCDF:42.03.11			40.75					70 43.75						
	46 84					41.5	<u> </u>		~	42.26		2.47	42.75	42.93		43.34 43.4	6							·
					2012		114311		CTARGE ALICE.	0.0000	C-SCH-		off a set of the			202201202	Contract of the	1.0.01.0.0			- ALCONDOLO	and the second		n
PDF 172SC A-0	13-04-200	520 12 63	3																				F5 Volta	je SIR i
			-					13C-OCC	F:41.99:20479	4 00:2429634								• ·					2	453 78 436e+0
										5														
									-	· · · · · · · · · · · · · · · · · · ·		*******			· ; · · · · · ; · · ·									n
									•									• •			۰.		F5:Volta	ne SiR I
PDI-1725C-A-0	13-04-200	520 12 53	3														•					• •	F5:Volta	455.7
								130-000	F.41.99.23474	1 91,2811156													2	820e+(
40 60	40.80	41 00)	41.20	414	0 4	1 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
																					200626R			CAP N
		3	(er - 1)																					17 E 14

PDF172SC A 03/04/20

.

TargetLynx - 200623R3-12.qld * - [Chromotogram]

200626R3_12 PDI-172SC-+ 03-04-200520 2001132-01 PDI-172SC + 03-04-200520 12 63

200626R3_12 PDI-172SC-A-03-04-200520 2001132-01 PDI-172SC-A-03-04-200520 12.63

200626R3_12 PDI-172SC-A-03-04-200520 2001132-01 PDI-172SC A-03-04-200520 12 53

200626R3_12 PDI-172SC-4-00-04-200520 2001132-01 PDI-172SC-4-03-04-200520 12 &3

Ð

40 40

C

R

100 % 40 01 οť

100 1 55 40.04

0-

100-1 % 01

1

40.20

Custom Reporting: Select reports to generate E

A Hame

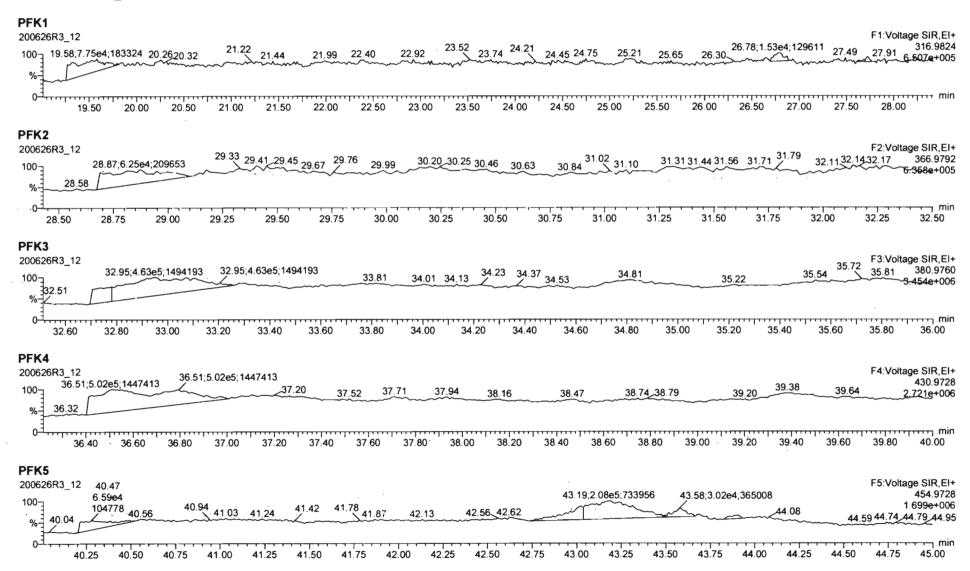
18 13C-2,3.7.8-TCDD

Name

5.05e5 0.78 NO 1.1563 10.010 RT m1 Resp m2 Resp RA n/y 2005/26R3 12

A 03 64

Quantify Sam Vista Analytica	•	Page 117 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	



Quantify Sam Vista Analytica	ple Summary Report I Laboratory	MassLynx 4.1 SCN815	· · · · · · · · · · · · · · · · · · ·	
Dataset:	U:\VG12.PRO\Results\200	626R3\200623R3-11B.qld	÷ * •	
Last Altered: Printed:		23:12 PM Pacific Da y light Time 23:55 PM Pacific Daylight Time		

BPB 06/30/2020 C7 07/02/2020

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: 200626R3_11, Date: 27-Jun-2020, Time: 05:21:06, ID: B0F0086-DUP3 Duplicate 12.72, Description: Duplicate

ST. \$500.15/63 15	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1.500 1.500 1	2,3,7,8-TCDD			NO	0.888	10.082	26.501		1.001				0.114	100
2 2	1,2,3,7,8-PeCDD	3.52e2	0.54	NO	0.908	10.082	31.457	31. 47	1.001	1.001	0.19462		0.175	0.195
3 3	1,2.3,4,7,8-HxCDD			NO	1.03	10.082	34.835		1.000				0.238	
4 10 10 10 4	1,2,3,6,7,8-HxCDD	7.31e2	1.20	NO	0.892	10.082	34.932	34.95	1.000	1.001	0.51241		0.242	0.512
5 5	1,2,3,7,8,9-HxCDD			NO	0.887	10.082	35.230		1.000				0.287	
6 6	1,2,3,4,6,7,8-HpCDD	8.72e3	1.05	NO	0.864	10.082	38.778	38.78	1.000	1.000	9.7720		0.508	9.77
7.99.91 7 7	OCDD	1.73e5	0.87	NO	0.914	10.082	41.780	41.79	1.000	1.000	235.02		1.16	235
8 8	2,3,7,8-TCDF			NO	0.751	10.082	25.596		1.001				0.116	
9 9	1,2,3,7,8-PeCDF			NO	0.893	10.082	30.175		1.001				0.183	
10 10 10	2,3,4,7,8-PeCDF	6.23e2	1.26	YES	0.935	10.082	31.161	31.18	1.001	1.001	0.24120		0.175	0.221
11 2 50 16 11	1,2,3,4,7,8-HxCDF	3.66e2	1.22	NO	0.884	10.082	33.952	33.96	1.000	1.000	0.25200		0.110	0.252
12 12	1,2,3,6,7.8-HxCDF	3.93e2	1.15	NO	0.889	10.082	34.079	34.10	1.000	1.001	0.23644		0.103	0.236
13 13	2,3,4,6,7,8-HxCDF	4.22e2	0.97	YES	0.934	10.082	34.700	34.69	1.001	1.001	0.27497		0,112	0.245
14 14	1,2,3,7,8,9-HxCDF			NO	0.871	10.082	35.581		1.000				0.194	
15 15	1,2,3,4,6,7.8-HpCDF	2.08e3	0.89	NO	0.873	10.082	37.386	37.38	1.001	1.001	1.9624		0.228	1.96
16 16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.082	39.320		1.000				0.300	
17 17	OCDF	1.31e3	0.85	NO	0.806	10.082	41.972	41.98	1.000	1.000	1.7863		0.332	1.79
18 18	13C-2,3,7,8-TCDD	5.01e5	0.78	NO	1.16	10.082	26.491	26.47	1.026	1.026	177.21	89.3	0.353	
19 19	13C-1,2,3,7,8-PeCDD	3.96e5	0.62	NO	0.849	10.082	31.674	31.43	1.227	1.218	190.58	96.1	0.489	
20 20	13C-1,2,3,4,7,8-HxCDD	2.45e5	1.26	NO	0.779	10.082	34.830	34.83	1.014	1.014	167.61	84.5	0.752	
21 21	13C-1,2,3,6,7,8-HxCDD	3.17e5	1.26	NO	1.02	10.082	34.944	34.93	1.017	1.017	166.05	83.7	0.576	
22 22	13C-1,2,3,7,8,9-HxCDD	2.87e5	1.23	NO	0.903	10.082	35.215	35.22	1.025	1.025	169.17	85.3	0.649	
23 23	13C-1,2,3,4,6,7,8-HpCDD	2.05e5	1.08	NO	0.689	10.082	38.739	38.77	1.128	1.129	158.24	79.8	0.885	
24 24	13C-OCDD	3.19e5	0.89	NO	0.652	10.082	4 1. 7 61	41.78	1.216	1.216	260.30	65.6	0.710	
25 25	13C-2,3.7,8-TCDF	5.52e5	0.77	NO	1.06	10.082	25.534	25.57	0.989	0.991	146.29	73.7	0.389	
26 26	13C-1,2,3,7,8-PeCDF	5.33e5	1 60	NO	0.838	10.082	30.058	30.15	1.165	1.168	178.69	90.1	1.05	
27 27	13C-2,3,4,7,8-PeCDF	5.48e5	1.69	NO	0.817	10.082	31.011	31.13	1.202	1.206	188.60	95.1	1.07	
28 28	13C-1,2,3,4,7,8-HxCDF	3.26e5	0.49	NO	1.01	10.082	33.961	33.95	0.989	0.989	172.08	86.7	1.02	
29 29	13C-1,2,3,6,7,8-HxCDF	3.71e5	0.49	NO	1.17	10.082	34.085	34.07	0.992	0.992	169.05	85.2	0.881	
30 30	13C-2,3,4,6,7,8-HxCDF	3.26e5	0.48	NO	1.02	10.082	34.659	34.67	1.009	1.009	169.73	85.6	1.01	
31 31	13C-1,2,3,7,8,9 HxCDF	2.66e5	0.49	NO	0.860	10.082	35.558	35.58	1.035	1.036	164.48	82.9	1.20	

Page 1 of 2

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

Page 2 of 2

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-11B.qld

Last Altered:	Tuesday, June 30, 2020 2:23:12 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 2:23:55 PM Pacific Daylight Time

1. 1. 1. 1.	# 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	2.40e5	0.40	NO	0.774	10.082	37.307	37.35	1.086	1.087	165.10	83.2	0.818	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.41e5	0.43	NO	0.521	10.082	39.336	39.32	1.145	1.145	144.04	72.6	1.22	
34	34 13C-OCDF	3.62e5	0.86	NO	0.746	10.082	41.933	41.97	1.221	1.222	258.19	65.1	0.692	
35	35 37CI-2,3,7,8-TCDD	2.00e5			1.04	10.082	26.522	26.48	1.028	1.026	78.752	99.2	0.0784	
36	36 13C-1,2,3,4-TCDD	4.85e5	0.79	NO	1.00	10.082	25.890	25.81	1.000	1.000	198.38	100	. 0.409	
37	37 13C-1,2,3,4-TCDF	7.06e5	0.78	NO	1.00	10.082	24.360	24.12	1.000	1.000	198.38	100	0.411	
38	38 13C-1,2,3,4,6,9-HxCDF	3.73e5	0.51	NO	1.00	10.082	34.420	34.35	1.000	1.000	198.38	100	1.03	
39	39 Total Tetra-Dioxins				0.888	10.082	24.620		0.000				0.0653	
40	40 Total Penta-Dioxins				0.908	10.082	29.960		0.000		0.91813		0.175	1.05
41	41 Total Hexa-Dioxins				0.892	10.082	33.635		0.000		5.2793		0.267	5.28
42	42 Total Hepta-Dioxins				0.864	10.082	37.640		0.000		30.995		0.508	31.0
43	43 Total Tetra-Furans				0.751	10.082	23.610		0.000		1.3652		0.116	1.95
44	44 1st Func. Penta-Furans				0.893	10.082	27.580		0.000		3.6147		0.0492	3.61
45	45 Total Penta-Furans				0.893	10.082	29.275		0.000		1.4336		0.183	1.76
46	46 Total Hexa-Furans				0.934	10.082	33.555		0.000		4.2977	· ·	0.120	4.54
47	47 Total Hepta-Furans	_			0.873	10.082	37.835		0.000		4.9496		0.273	4.95

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset:	U:\VG12.PRO\Results\200626R3\200623R3-11B.qld
----------	---

Last Altered:	Tuesday, June 30, 2020 2:23:12 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 2:23:55 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: 200626R3_11, Date: 27-Jun-2020, Time: 05:21:06, ID: B0F0086-DUP3 Duplicate 12.72, Description: Duplicate

Tetra-Dioxins

Name	RT	m1 Height m2 Height	m1 Resp m2 Resp	RA n/y	Resp Conc.	EMPC DL
1.000000000000						

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Penta-Dioxins	29.24	3.540e3	6.751e3	2.557e2	4.527e2	0.56	NO	7.084e2	0.39112	0.39112	0.175
2 Total Penta-Dioxins	29.70	1.834e3	2.874e3	1.222e2	2.144e2	0.57	NO	3.366e2	0.18585	0.18585	0.175
3 Total Penta-Dioxins	30.21	3.389e3	3.751e3	1.978e2	1.448e2	1.37	YES	0.000e0	0.00000	0.13035	0.175
4 Total Penta-Dioxins	30.40	3.015e3	4.233e3	1.013e2	1.641e2	0.62	NO	2.654e2	0.14655	0.14655	0.175
5 1,2,3,7,8-PeCDD	31.47	2.259e3	5.203e3	1.230e2	2.295e2	0.54	NO	3.525e2	0.19462	0.19462	0.175

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hexa-Dioxins	33.33	3.735e4	3.289e4	2.003e3	1.666e3	1.20	NO	3.669e3	2.8800	2.8800	0.267
2 Total Hexa-Dioxins	34.15	1.806e4	1.614e4	1.291e3	1.113e3	1.16	NO	2.404e3	1.8869	1.8869	0.267
3 1,2,3,6,7,8-HxCDD	34.95	6.049e3	4.658e3	3.983e2	3.331e2	1.20	NO	7.31 4e 2	0.51241	0.51241	0.242

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hepta-Dioxins	37.76	1.113e5	1.119e5	9.635e3	9.311e3	1.03	NO	1.895e4	21.223	21.223	0.508
2 1,2,3,4,6,7,8-HpCDD	38.78	5.857e4	5.731e4	4.475e3	4.248e3	1.05	NO	8.723e3	9.7720	9.7720	0.508

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-11B.qld

Last Altered:	Tuesday, June 30, 2020 2:23:12 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 2:23:55 PM Pacific Daylight Time

Name: 200626R3_11, Date: 27-Jun-2020, Time: 05:21:06, ID: B0F0086-DUP3 Duplicate 12.72, Description: Duplicate

Tetra-Furans

1	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.83	1.752e3	2.720e3	1.311e2	1.913e2	0.69	NO	3.224e2	0.15439	0.15439	0.116
2	Total Tetra-Furans	21.49	9.066e3	9.650e3	6.718e2	8.796e2	0.76	NO	1.551e3	0.74285	0.74285	0.116
3	Total Tetra-Furans	22.43	2.323e3	2.973e3	2.110e2	2.627e2	0.80	NO	4.737e2	0.22681	0.22681	0.116
4	Total Tetra-Furans	22.95	3.818e3	5.380e3	3.212e2	4.745e2	0.68	NO	0.000e0	0.00000	0.38099	0.116
5	Total Tetra-Furans	24.03	2.782e3	3.430e3	2.287e2	2.748e2	0.83	NO	5.035e2	0.24110	0.24110	0.116
6	Total Tetra-Furans	27.61	3.423e3	4.388e3	1.693e2	2.544e2	0.67	NO	0.000e0	0.00000	0.20286	0.116

Penta-Furans function 1

STREET, STREET	Name	RT	m1 Height m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL'
A PARTY COMPANY	1st Func. Penta-Furans		8.254e4 5.154e4						3.6147		

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL.
1 Total Penta-Furans	29.18	1.887e4	1.316e4	1.431e3	1.054e3	1.36	NO	2.485e3	1.0214	1.0214	0.183
2 Total Penta-Furans	29.77	8.485e3	1.031e4	5.742e2	4.289e2	1.34	NO	1.003e3	0.41227	0.41227	0.183
3 2,3,4,7,8-PeCDF	31.18	7.776e3	6.101e3	3.479e2	2.754e2	1.26	YES	6.233e2	0.00000	0.22149	0.175
4 Total Penta-Furans	31.19	5.990e3	4.961e3	1.512e2	1.442e2	1.05	YES	0.000e0	0.00000	0.10226	0.183

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa	Furans 32.79	5.847e3	6.479e3	3.154e2	2.814e2	1.12	NO	5.968e2	0.39343	0.39343	0.120
2 Total Hexa	-Furans 32.95	2.653e4	2.175e4	1.440e3	1.244e3	1.16	NO	2.683e3	1.7690	1.7690	0.120
3 Total Hexa	-Furans 33.49	2.628e4	1.987 e4	1.411e3	1.086e3	1.30	NO	2.498e3	1.6468	1.6468	0.120
4 1,2,3,4,7,8	HxCDF 33.96	3.745e3	3.290e3	2.009e2	1.652e2	1.22	NO	3.661e2	0.25200	0.25200	0.110
5 1,2,3,6,7,8	HxCDF 34.10	3.778e3	3.002e3	2.104e2	1.826e2	1.15	NO	3.930e2	0.23644	0.23644	0.103
6 2,3,4,6,7,8	HxCDF 34.69	4.559e3	4.458e3	2.083e2	2.138e2	0.97	YES	4.221e2	0.00000	0.24507	0.112

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

۰.

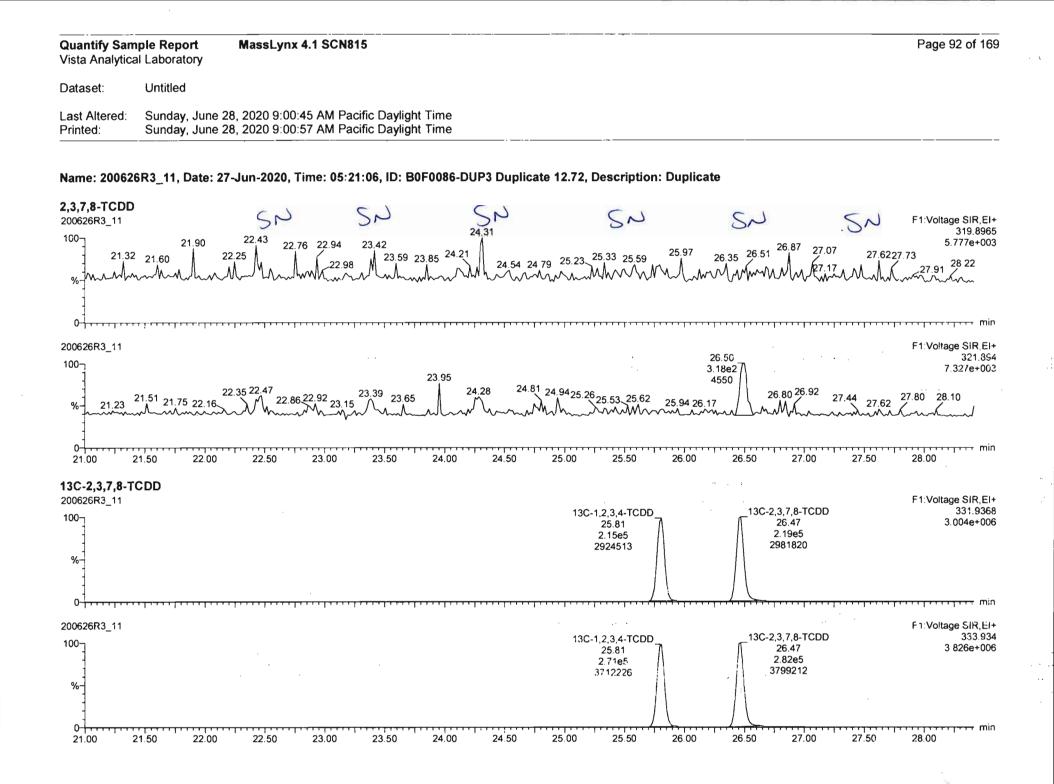
Dataset: U:\VG12.PRO\Results\200626R3\200623R3-11B.qld

Last Altered:	Tuesday, June 30, 2020 2:23:12 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 2:23:55 PM Pacific Daylight Time

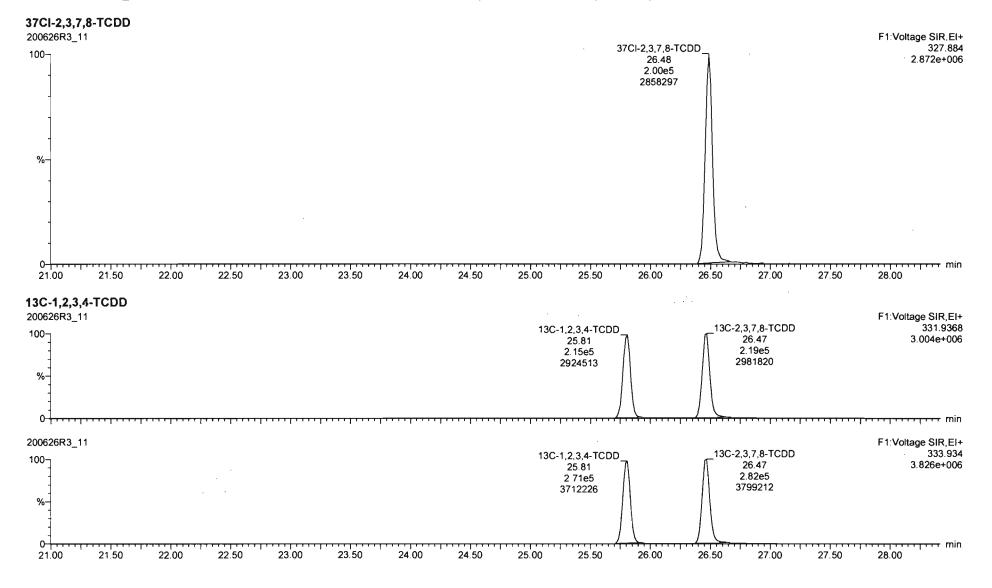
Name: 200626R3_11, Date: 27-Jun-2020, Time: 05:21:06, ID: B0F0086-DUP3 Duplicate 12.72, Description: Duplicate

Hepta-Furans

Name	RT	m1 Height	m2 Height	뛰는	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 1,2,3,4,6,7,8-HpCDF	37.38	1.274e4	1.360e4		9.773e2	1.099e3	0.89	NO	2.077e3	1.9624	1.9624	0.228
2 Total Hepta-Furans	37.99	1.346e4	1.894e4		1.179e3	1.329e3	0.89	NO	2.508e3	2.9872	2.9872	0.273



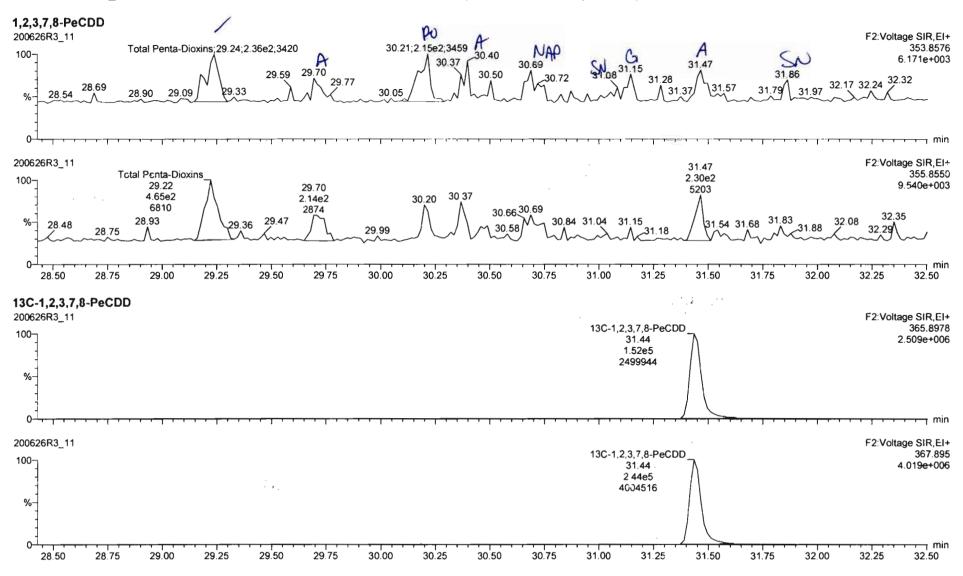
Quantify San Vista Analytic		ussLynx 4.1 SCN815	Page 93 of 169
Dataset:	Untitled		
Last Altered: Printed:		020 9:00:45 AM Pacific Daylight Time 020 9:00:57 AM Pacific Daylight Time	

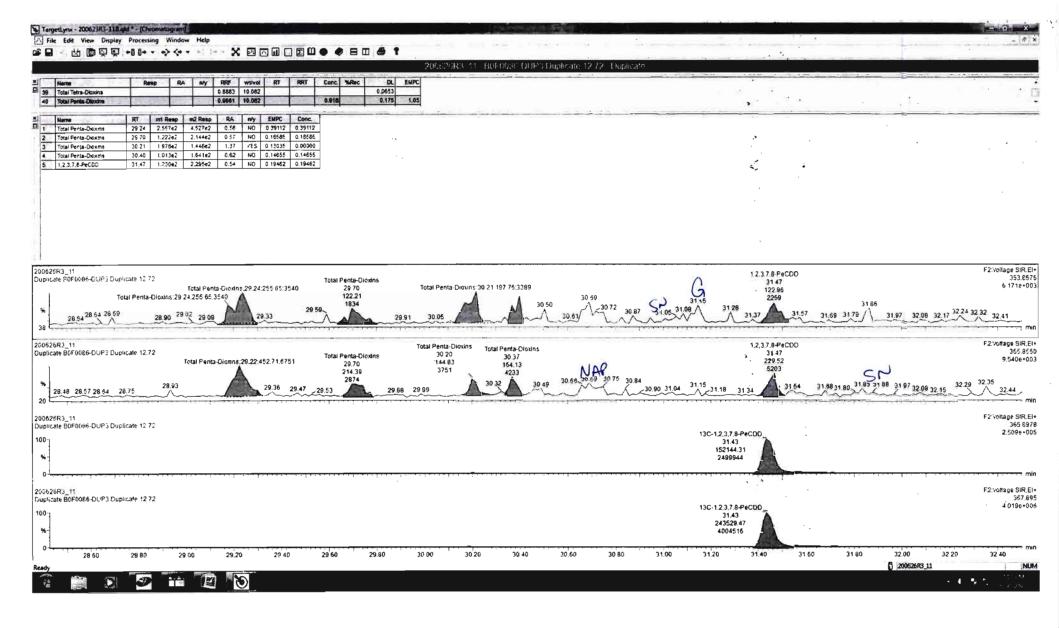


Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory MassLynx 4.1 SCN815

Dataset: Untitled

Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



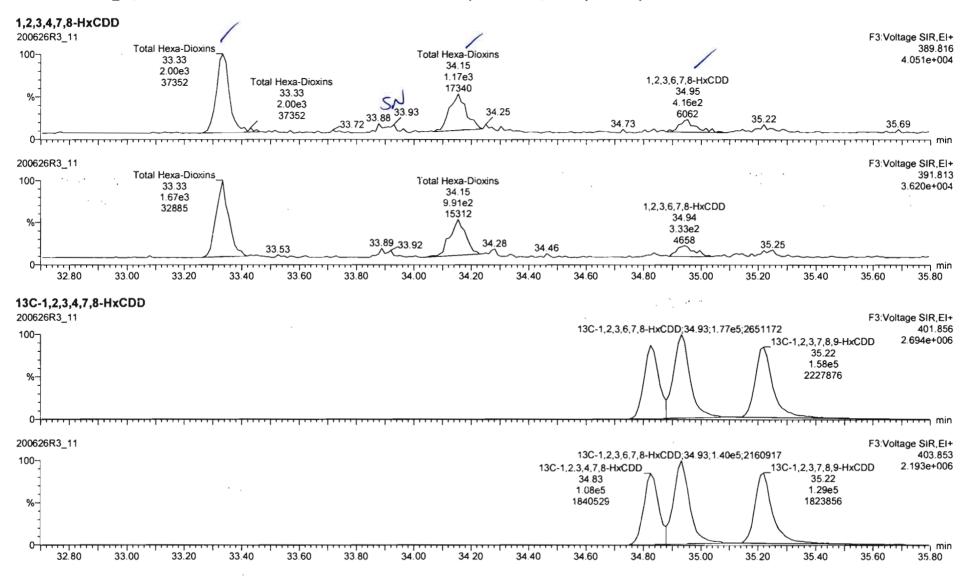


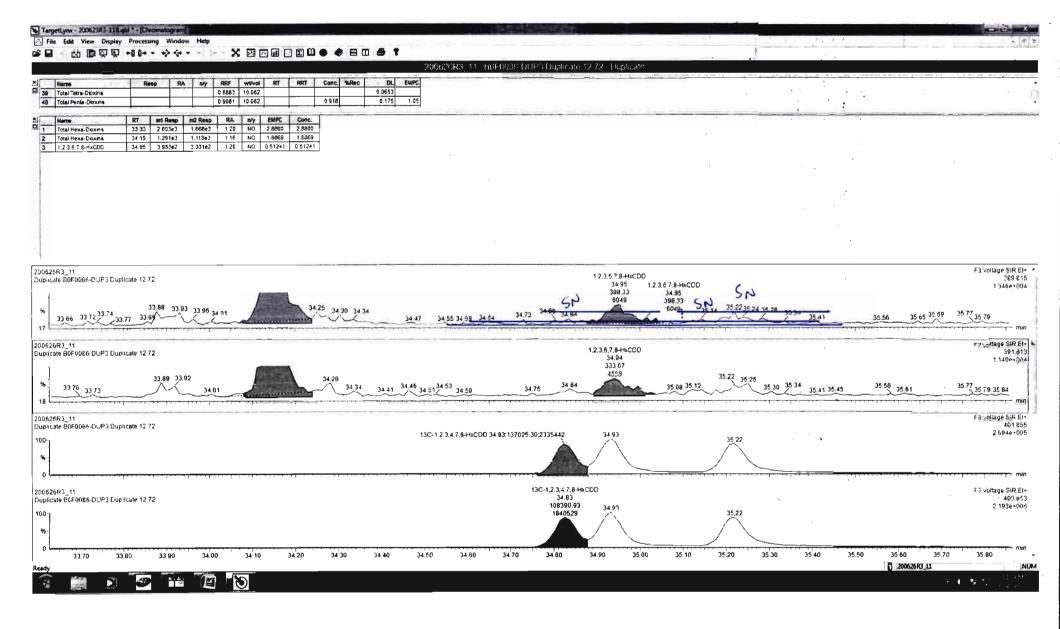
Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory MassLynx 4.1 SCN815

Page 95 of 169

Dataset: Untitled

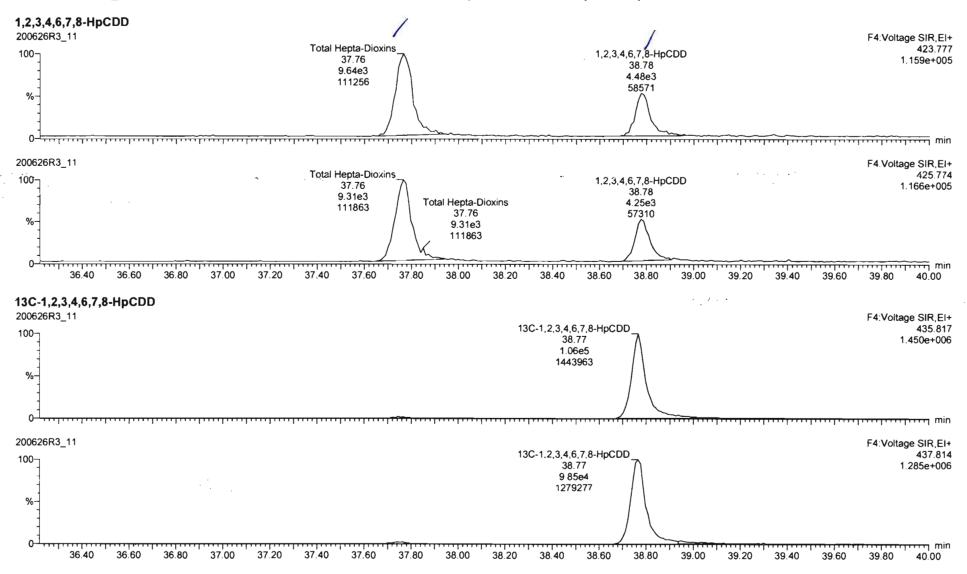
Last Altered: Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Printed: Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time





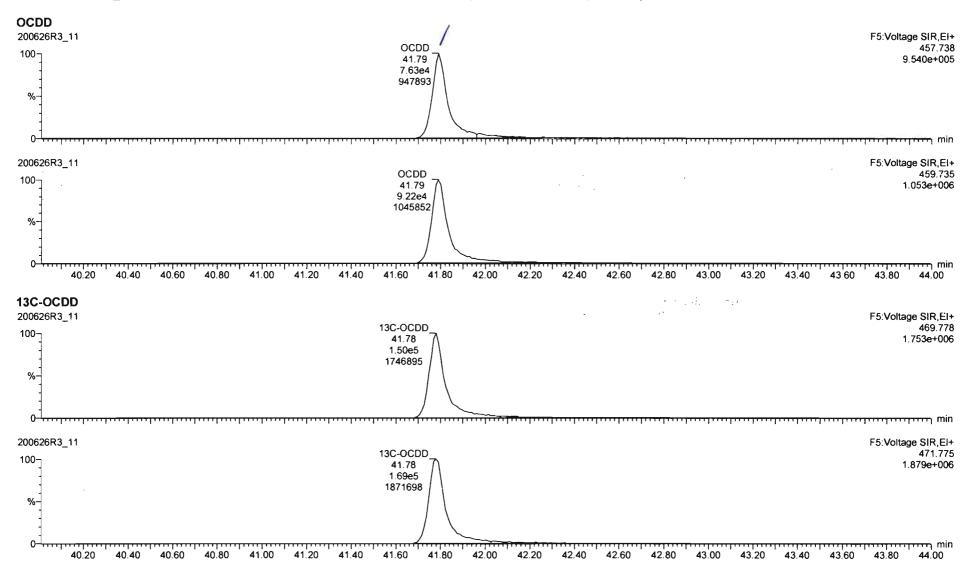
Work Order 2001132

Quantify Sam Vista Analytica		Page 96 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	



Quantify San Vista Analytica		Page 97 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylig Sunday, June 28, 2020 9:00:57 AM Pacific Daylig	

Name: 200626R3_11, Date: 27-Jun-2020, Time: 05:21:06, ID: B0F0086-DUP3 Duplicate 12.72, Description: Duplicate

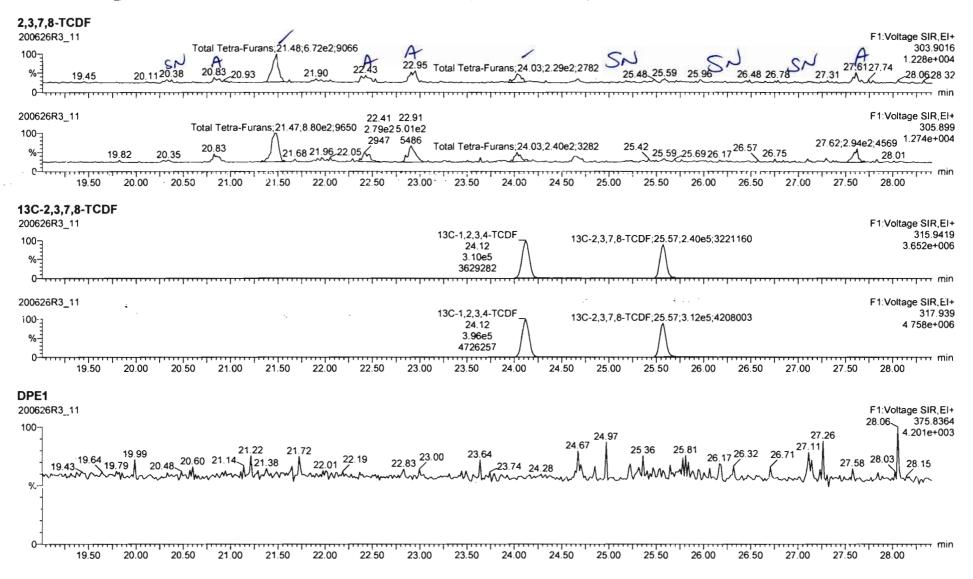


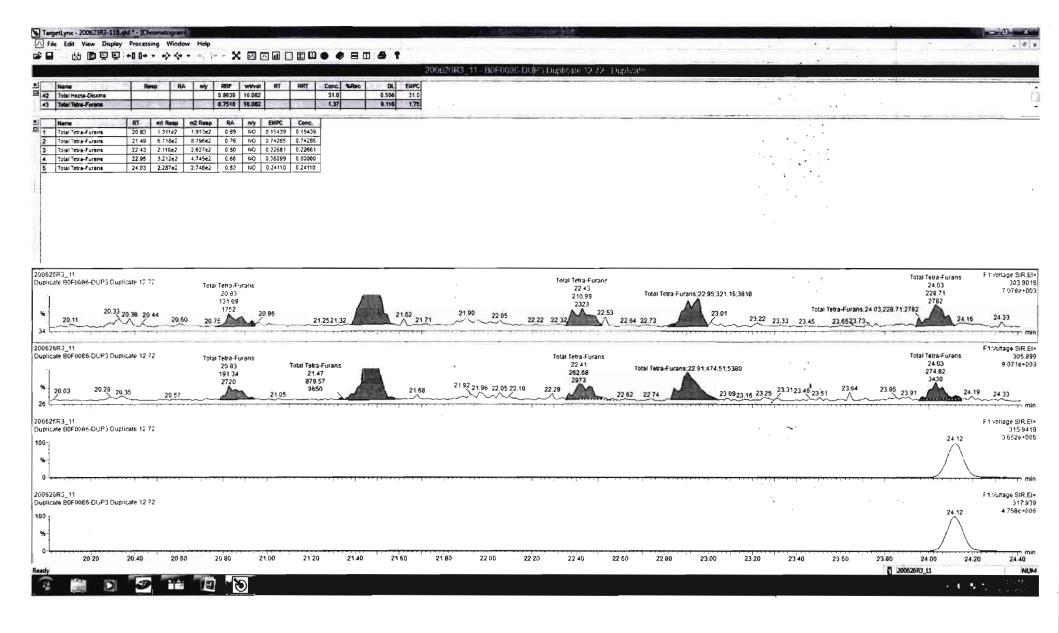
۰.,

■ △ 盐 圖與果 +1 0+ • ◆ ◆ • • □ - • Ⅹ 図区	20062683_11_B0F0036 DUP5 Dupica	të 1272 : Duplicate		
Name Rasp RA ory RHF wrthvol OCDD 1.73e5 0.67 NO 0.9136 18.082 2.3.7.6.TCDF NO 0.7510 10.082	RT RRT Conc. %Rec DL EMPC 41.79 1.000 236 1.16 236 0.116 0.116 0.000 0.000	and a second of the second		
Name RT mt Rasp m2 Rasp RA n/y	EMPC Conc.			
		• • •		
526R3_11 hcate 90F0066-DUP3 Duplicate 12 72	OCDD 41.79:80470 63.947935			F5.Vollage Sif 457 9 540e
926R3_11 licate B0F0086-DUP3 Dupticate 12.72	DCDD:41 /9;92206.34:1045852			F5:Voltage Sil 459 1.053e
622R3_11 II.cate E0F0006-DUP3 Duplicate 12 72	13C-OCDO.41 78:150223.11:1746895			F5 Vollage Sil 465 1.753e
1626R3_11 #Cate B0F0086-DUP3 Duplicate 12.72	13C-OCDD.41.78.168853.95.1871698	, , , , , , , , , , , , , , , , , , ,	·····	F5:voltage SI 47 1.879e

_

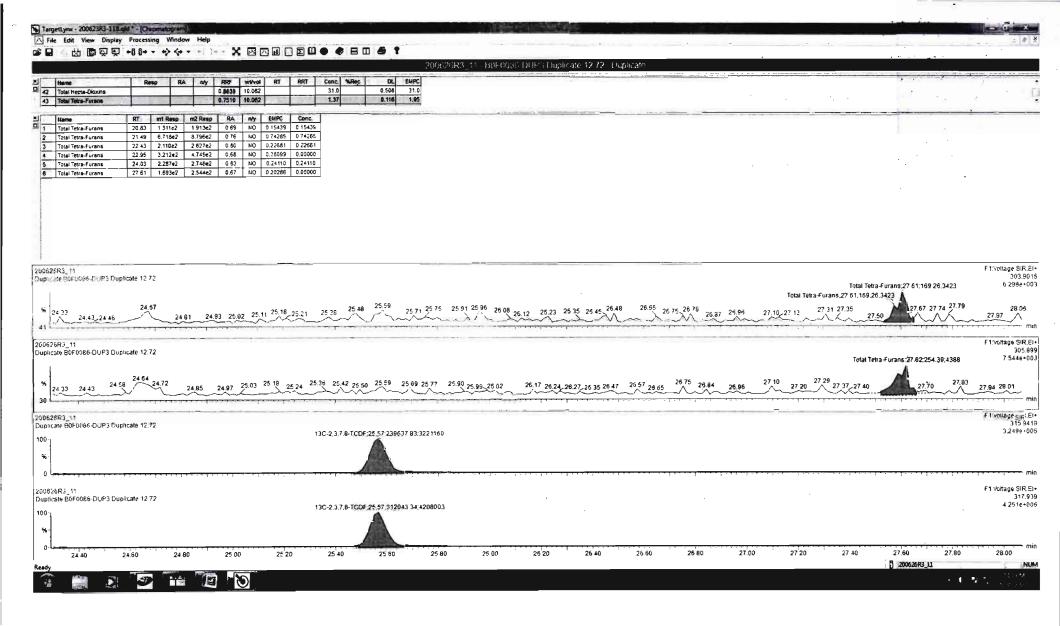
Quantify San Vista Analytica	• •	MassLynx 4.1 SCN815	Page 98 of 169
Dataset:	Untitled		
Last Altered: Printed:		28, 2020 9:00:45 AM Pacific Daylight Time 28, 2020 9:00:57 AM Pacific Daylight Time	



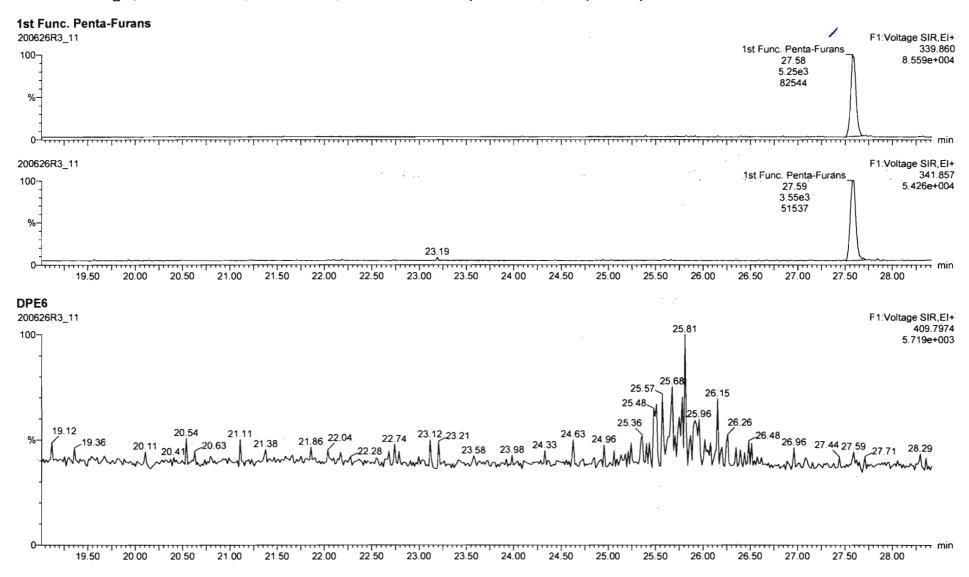


3 - 1

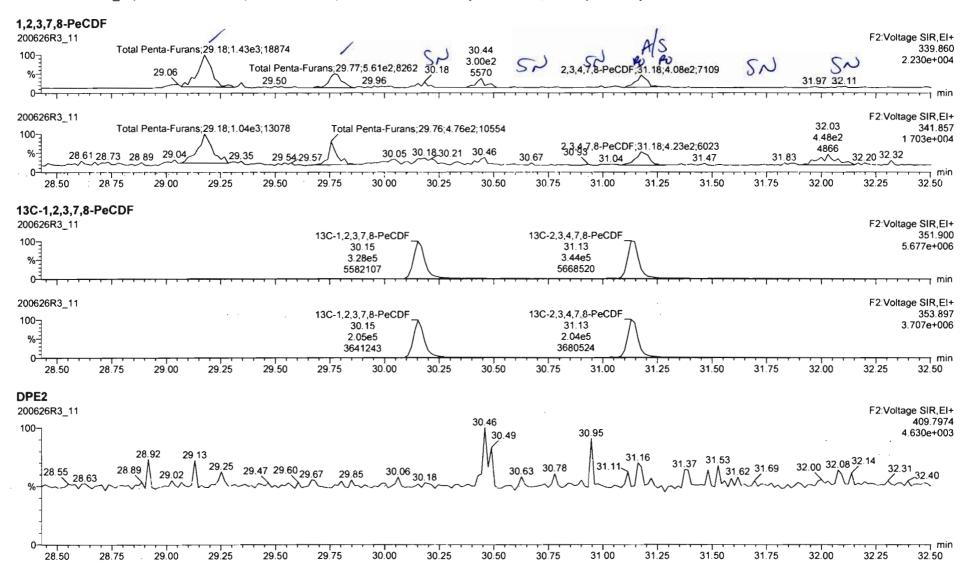
.

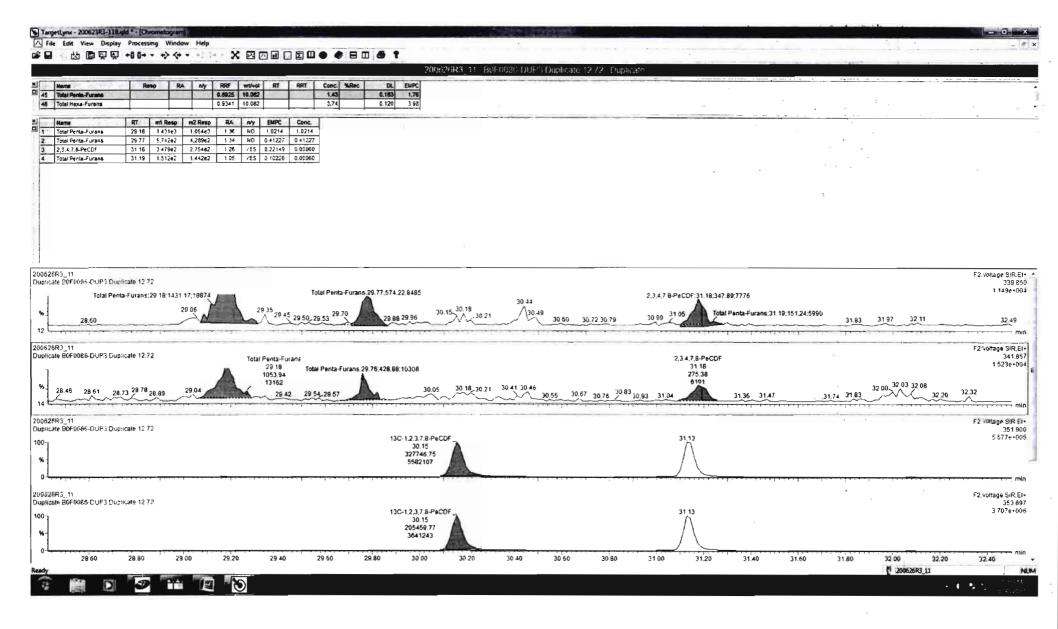


Quantify San Vista Analytica		Page 99 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	

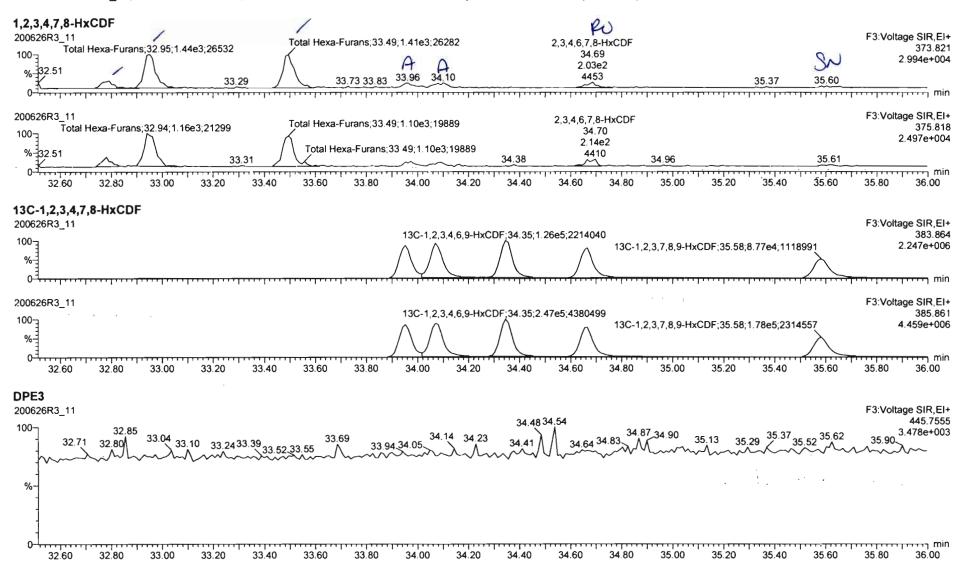


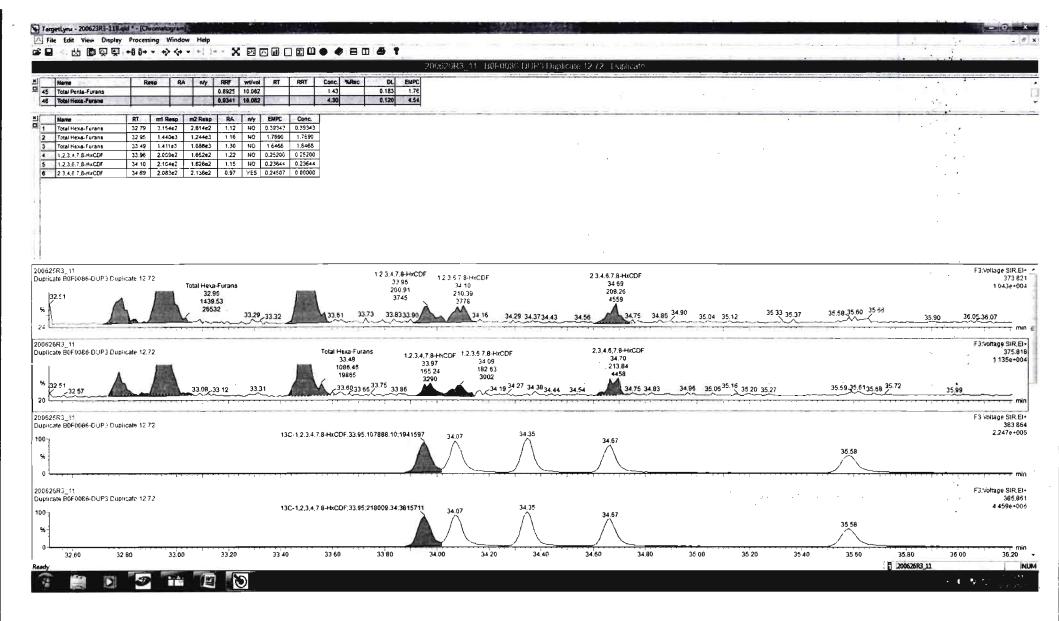
Quantify San Vista Analytica		Page 100 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	



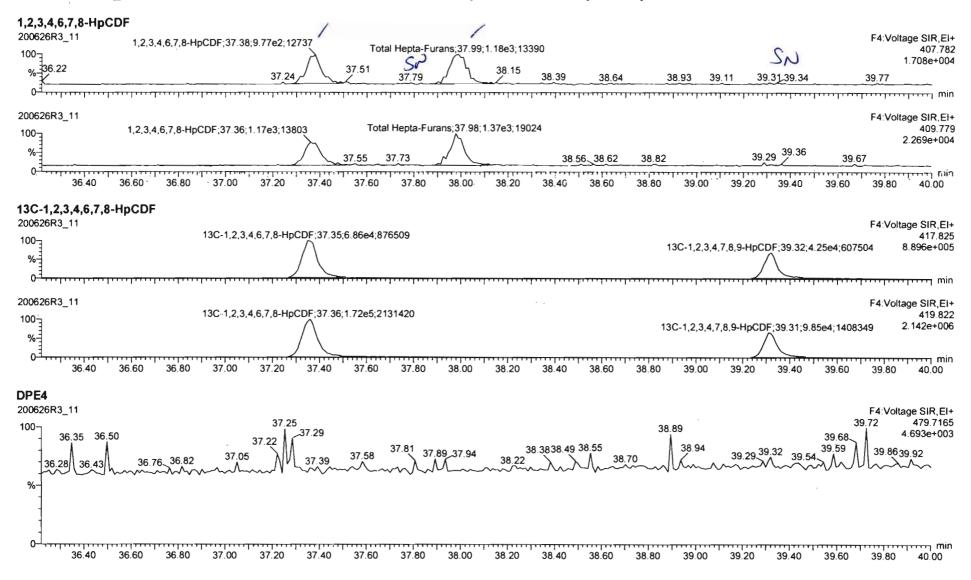


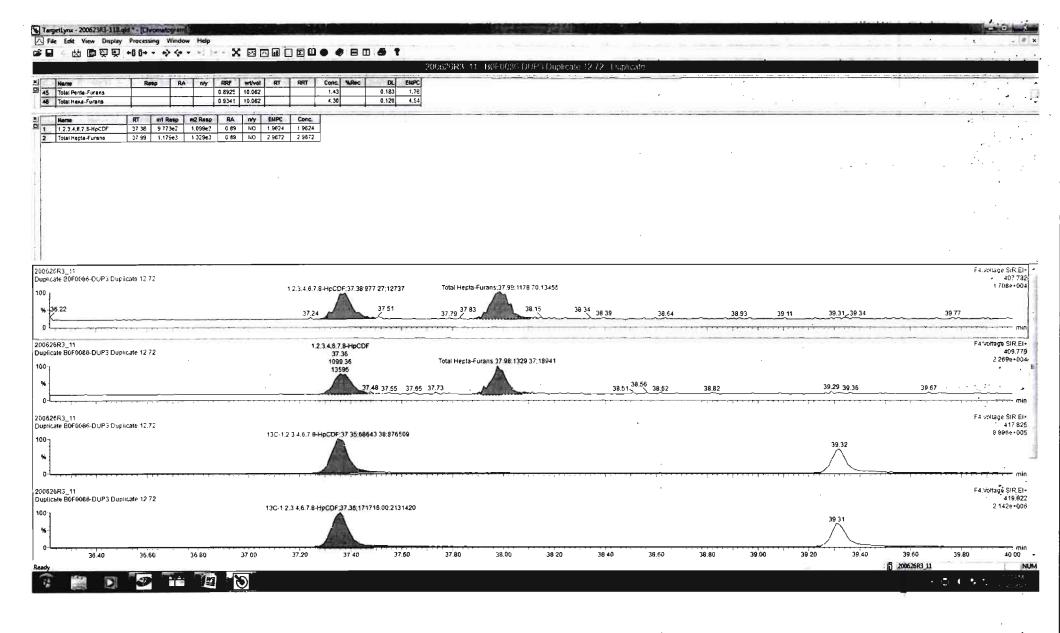
Quantify San Vista Analytica	• •	MassLynx 4.1 SCN815	Page 101 of 169
Dataset:	Untitled		
Last Altered: Printed:		8, 2020 9:00:45 AM Pacific Daylight Time 8, 2020 9:00:57 AM Pacific Daylight Time	



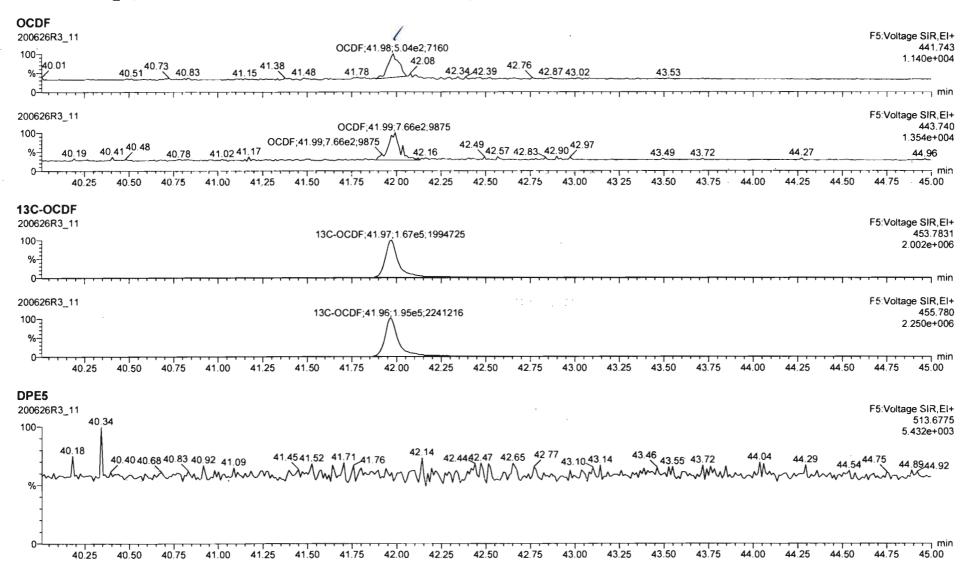


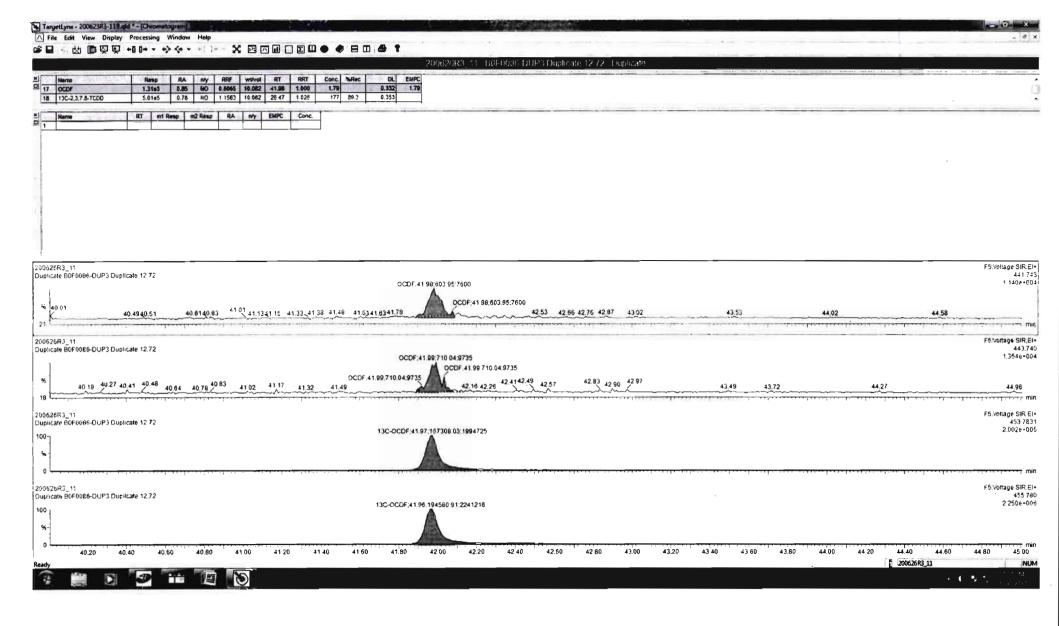
Quantify San Vista Analytica		Page 102 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	





Quantify San Vista Analytica		MassLynx 4.1 SCN815	Page 103 of 169
Dataset:	Untitled		
Last Altered: Printed:		28, 2020 9:00:45 AM Pacific Daylight Time 28, 2020 9:00:57 AM Pacific Daylight Time	

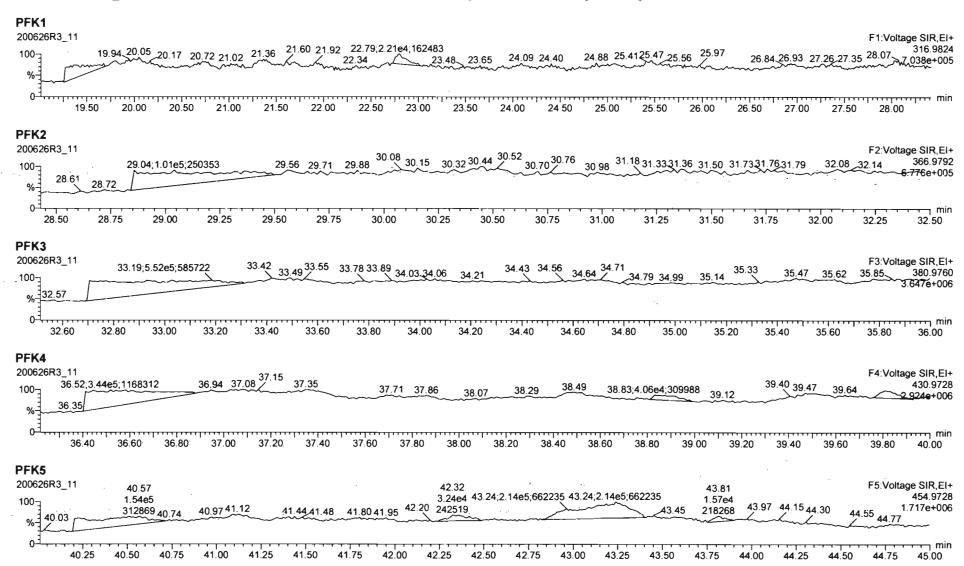




Quantify Sample Report	MassLynx 4.1 SCN815
Vista Analytical Laboratory	

Dataset: Untitled

Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



Quantify San Vista Analytica	aple Summary Report al Laboratory	MassLynx 4.1 SCN815	· · · ·	1	Page 1 of 2
Dataset:	U:\VG12.PRO\Results\20	0626R3\200623R3-13.qld			
Last Altered: Printed:		2:54:57 PM Pacific Daylight Time 2:55:48 PM Pacific Daylight Time			GPB 06/30/2020

6PB 06/30/2020 C7 07/02/2020

,..**1**

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

Signal O	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1 - Constant of the	1 2,3,7,8-TCDD			NO	0.888	10.021	26.501		1.001				0.0969	
2	2 1,2,3.7,8-PeCDD			NO	0.908	10.021	31.473		1.001				0.112	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.021	34.835		1.000				0.138	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.021	34.932		1.000				0.133	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.021	35.230		1.000				0.165	
6	6 1,2,3,4,6,7,8-HpCDD	5.87e2	1.12	NO	0.864	10.021	38.767	38.78	1.000	1.001	0.64892		0.360	0.649
7	7 OCDD	5.85e3	0.85	NO	0.914	10.021	41.748	41.77	1.000	1.001	7.7681		0.465	7.77
8	8 2,3,7,8-TCDF			NO	0.751	10.021	25.596		1.001				0.0710	
9 TOTAL	9 1,2,3,7,8-PeCDF		•	NO	0.893	10.021	30.190		1.001				0.0880	1
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.021	31.176		1.001				0.0767	
11 Martin Law Street	11 1,2,3.4,7,8-HxCDF			NO	0.884	10.021	33.952		1.000				0.0884	
12	12 1,2.3,6,7,8-HxCDF			NO	0.889	10.021	34.079		1.000				0.0816	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.021	34.690		1.001				0.0895	
14 4 4 4 4 4 4	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.021	35.581		1.000				0.144	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.021	37.397		1.001				0.131	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.021	39.309		1.000				0.156	
17	17 OCDF			NO	0.806	10.021	41.939		1.000				0.132	
18	18 13C-2,3,7,8-TCDD	5.12e5	0.79	NO	1.16	10.021	26.491	26.47	1.026	1.026	181.81	91.1	0.318	
19	19 13C-1,2,3,7,8-PeCDD	4.10e5	0.62	NO	0.849	10.021	31.674	31.45	1.227	1.219	198.13	99.3	0.642	
20	20 13C-1,2,3,4,7,8-HxCDD	2.52e5	1.24	NO	0.779	10.021	34.830	34.83	1.014	1.014	178.42	89.4	1.07	
21	21 13C-1,2,3,6,7,8-HxCDD	3.40e5	1.25	NO	1.02	10.021	34.944	34.93	1.017	1.017	184.48	92.4	0.816	
22	22 13C-1,2,3,7,8,9-HxCDD	2.98e5	1.22	NO	0.903	10.021	35.215	35.22	1.025	1.025	182.07	91.2	0.919	l
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.09e5	1.06	NO	0.689	10.021	38.739	38.76	1.128	1.128	167.15	83.8	0.738	
24	24 13C-OCDD	3.29e5	0.89	NO	0.652	10.021	41.761	41.75	1.216	1.216	278.35	69.7	0.854	
25	25 13C-2,3,7,8-TCDF	5.53e5	0.77	NO	1.06	10.021	25.534	25.57	0.989	0.991	150.67	75.5	0.384	
26	26 13C-1,2,3,7,8-PeCDF	5.65e5	1.63	NO	0.838	10.021	30.058	30.17	1.165	1.169	194.24	97.3	0.933	
27	27 13C-2,3,4,7,8-PeCDF	5.42e5	1.57	NO	0.817	10.021	31.011	31.15	1.202	1.207	191.36	95.9	0.957	
28	28 13C-1,2,3,4,7,8-HxCDF	3.24e5	0.50	NO	1.01	10.021	33.961	33.95	0.989	0.989	177.50	88.9	0.959	
29	29 13C-1,2,3,6,7,8-HxCDF	3.84e5	0.51	NO	1.17	10.021	34.085	34.07	0.992	0.992	181.62	91.0	0.828	
30	30 13C-2,3,4,6,7,8-HxCDF	3.43e5	0.49	NO	1.02	10.021	34.659	34.65	1.009	1.009	185.30	92.8	0.946	
31	31 13C-1,2,3,7,8,9-HxCDF	2.69e5	0.51	NO	0.860	10.021	35.558	35.58	1.035	1.036	172.45	86.4	1.12	

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

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-13.qld

Last Altered:	Tuesday, June 30, 2020 2:54:57 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 2:55:48 PM 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	2.37e5	0.42	NO	0.774	10.021	37.307	37.36	1.086	1.088	169.00	84.7	0.955	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.53e5	0.42	NO	0.521	10.021	39.336	39.31	1.145	1.145	162.32	81.3	1.42	
34	34 13C-OCDF	4.07e5	0.88	NO	0.746	10.021	41.933	41.94	1.221	1.221	301.01	75.4	0.955	
35	35 37CI-2,3,7,8-TCDD	1.89e5			1.04	10.021	26.522	26.50	1.028	1.027	74.710	93.6	0.144	
36	36 13C-1,2,3,4-TCDD	4.86e5	0.79	NO	1.00	10.021	25.890	25.81	1.000	1.000	199.5 8	100	0.368	
37	37 13C-1,2,3,4-TCDF	6.92e5	0.77	NO	1.00	10.021	24.360	24.13	1.000	1.000	199.58	100	0.406	
38	38 13C-1,2,3,4,6,9-HxCDF	3.62e5	0.50	NO	1.00	10.021	34.420	34.35	1.000	1.000	199.5 8	100	0.966	
39	39 Total Tetra-Dioxins				0.888	10.021	24.620		0.000				0.0559	
40	40 Total Penta-Dioxins				0.908	10.021	29.960		0.000				0.0546	
41	41 Total Hexa-Dioxins				0.89 2	10.021	3 3 .635		0.000		0.36107		0.151	0.361
42	42 Total Hepta-Dioxins				0.864	10.021	37.640		0.000		1.9119		0.360	1.91
43	43 Total Tetra-Furans				0.751	10.021	23.610		0.000				0.0330	
44 5 x 10	44 1st Func. Penta-Furans				0.893	10.021	27.580		0.000		0.098463		0.0233	0.0985
45	45 Total Penta-Furans				0.893	10.021	29.275		0.000				0.0386	
46	46 Total Hexa-Furans				0.934	10.021	33.555		0.000				0.0443	
47	47 Total Hepta-Furans				0.873	10.021	37.835	,	0.000				0.0637	

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-13.qld

Last Altered:Tuesday, June 30, 2020 2:54:57 PM Pacific Daylight TimePrinted:Tuesday, June 30, 2020 2:55:48 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: 200626R3_13, Date: 27-Jun-2020, Time: 06:53:35, ID: 2001132-02 PDI-172SC-A-04-05-200520 11.27, Description: PDI-172SC-A-04-05-200520

Tetra-Dioxins

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

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA n/y	Resp	Conc.	EMPC	DL
1 云 杨光佳 玉陵雪										

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	Star DL
•	1 Total Hexa-Dioxins	33.32	3.826e3	5.416e3	2.493e2	2.297e2	1.09	NO	4.790e2	0.36107	0.36107	0.151

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hepta-Dioxins	37.78	9.097e3	6.568e3	5.829e2	5.591e2	1.04	NO	1.142e3	1.2630	1.2630	0.360
2 1,2,3,4,6,7,8-HpCDD	38.78	3.991e3	3.416e3	3.094e2	2.774e2	1.12	NO	5.868e2	0.64892	0.64892	0.360

Tetra-Furans

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

Penta-Furans function 1

Name	RI	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 1st Func. Penta-Furans	27.59	2.404e3	1.346e3	1.421e2	1.015e2	1.40	NO	2.436e2	0.098463	0.098463	0.0233

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Page 2 of 2

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-13.qld

Last Altered: Tuesday, June 30, 2020 2:54:57 PM Pacific Daylight Time Printed: Tuesday, June 30, 2020 2:55:48 PM Pacific Daylight Time

Name: 200626R3_13, Date: 27-Jun-2020, Time: 06:53:35, ID: 2001132-02 PDI-172SC-A-04-05-200520 11.27, Description: PDI-172SC-A-04-05-200520

Penta-Furans

Name RT m1 Height m2 Height m1 Resp m2 Resp RA Ny Resp Conc. EMPC DL

Hexa-Furans

Name	RT	m1 Height m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
111100000000000000000000000000000000000										

Hepta-Furans

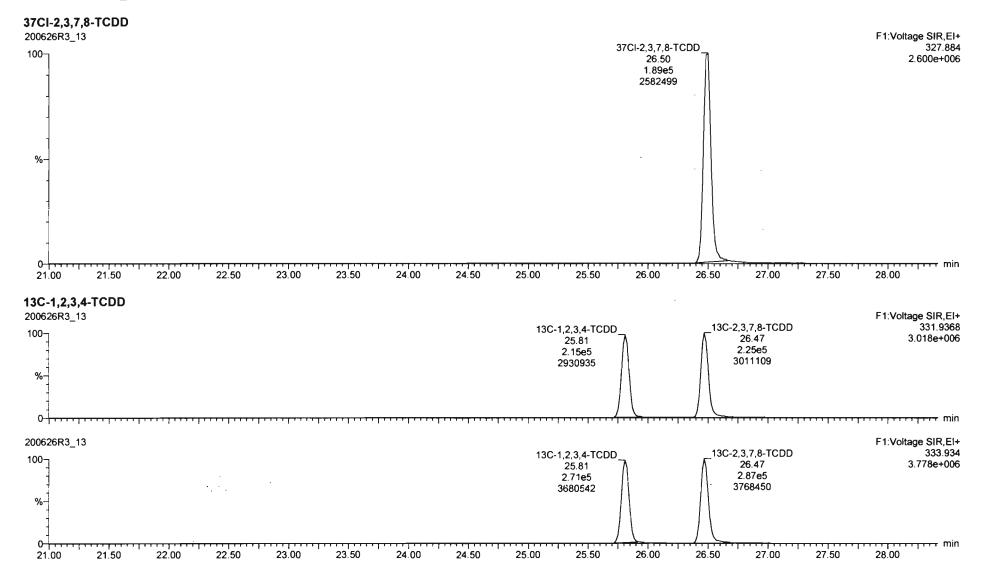
Name	m1 Height m2 Height	mi Resp m2 Resp	IRA n/y	Resp	Conc	EMPC	DL
1 Sting of State							

uantify Sam ista Analytica	n ple Report al Laboratory	MassLynx 4.1 SCN815)						Page 118 of 16
ataset:	Untitled								
ist Altered: inted:		8, 2020 9:00:45 AM Pacif 8, 2020 9:00:57 AM Pacif							
ame: 20062	6R3_13, Date: 27	'-Jun-2020, Time: 06:53:	35, ID: 2001132-02 F	PDI-172SC-A-0	4-05-200520 11.2	7, Descript	tion: PDI-172SC-/	A-04-05-20052	20
3,7,8-TCDD 10626R3_13		29 22.44 22.95 ^{23.06} 23.2	SN 24 8 23.71 24.00 24.25	50 130 124.36 24.52 24	25.57 97 25.27 mm M M	25.85 25.85	26.36 26.68 26.81 WMWWWWWW	26.98 27.47 ^{27.}	F1:Voltage SIR,E 319.89 5.762e+00 58 28.00 28.22 28.3 28.00 28.22
0-++++++++++++++++++++++++++++++++++++			••••	· • • • • • • • • • • • • • • • • • • •	┨┲ <u>┙┲┲┲┲</u> ┲┲┍┎┲				
0626R3_13						2	C E O		F1:Voltage SIR E
							6.50		321.8
			24.24 ²	4.34		5	07e2 503		9.164e+0
6-21.13 2 	21.48 21.72 22.10 21.50 22.00	22.28 22.76 22.92 23.2 22.50 23.00	24.24 ² 8 23.83 23.92 23.50 24.00	24.57 24.642	5.02 25.32 25.45 5 5.02 25.32 25.45 5 5.00 25.50	5	503	····	⁴ 27.85 28.10 28.34
C-21.13 2 C-21.00 C-2,3,7,8-T C-2,3,7,8-T	21.50 22.00	·····	8 23.83 23.92	24.57 24.642		5 25.84 26.05 26.05 26.00	26.60 _{26.92}	0 27.50	·····
6 21 .13 2 0 1 .00 2 C-2,3,7,8-T D626R3_13 0 0 0 0 1 .00	21.50 22.00	·····	8 23.83 23.92	24.57 24.642	5.00 25.50 13C-1,2,3,4-TCDD 25.81 2.15e5	5 25.84 26.05 26.05 26.00	26.50 27.00 13C-2,3,7,8-TC 26.47 2.25e5	0 27.50	427.85 28.10 28.34 28.00 F1:Voltage SIR,1 331.93 3.018e+0
0	21.50 22.00	·····	8 23.83 23.92	24.57 24.642	5.00 25.50 13C-1,2,3,4-TCDD 25.81 2.15e5	25.84 <u>26.05</u> 26.00	26.50 27.00 13C-2,3,7,8-TC 26.47 2.25e5		⁴ 27.85 28.10 28.34

1

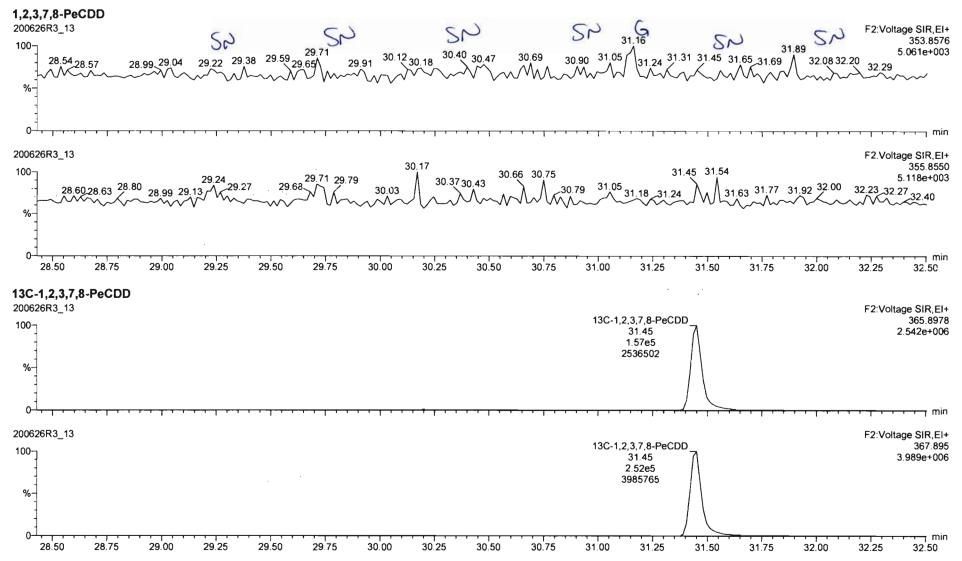
Quantify San Vista Analytica		SCN815	Page 119 of 169
Dataset:	Untitled		
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 / Sunday, June 28, 2020 9:00:57 /		

Name: 200626R3_13, Date: 27-Jun-2020, Time: 06:53:35, ID: 2001132-02 PDI-172SC-A-04-05-200520 11.27, Description: PDI-172SC-A-04-05-200520



Work Order 2001132

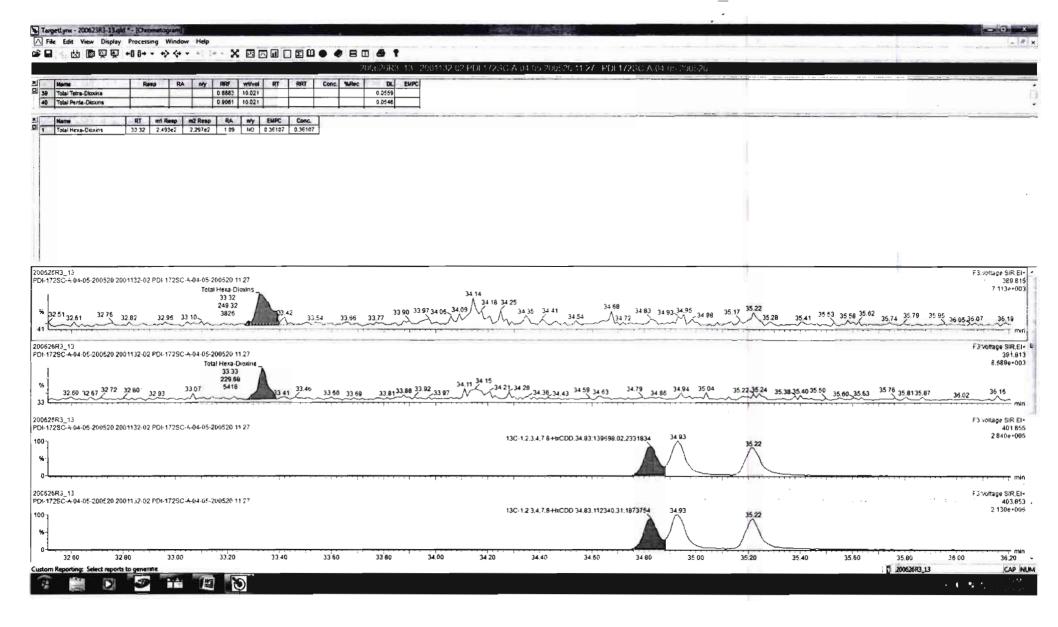
atory	Page 120 of 169
d	
e a	ratory ed ay, June 28, 2020 9:00:45 AM Pacific Daylight Time ay, June 28, 2020 9:00:57 AM Pacific Daylight Time



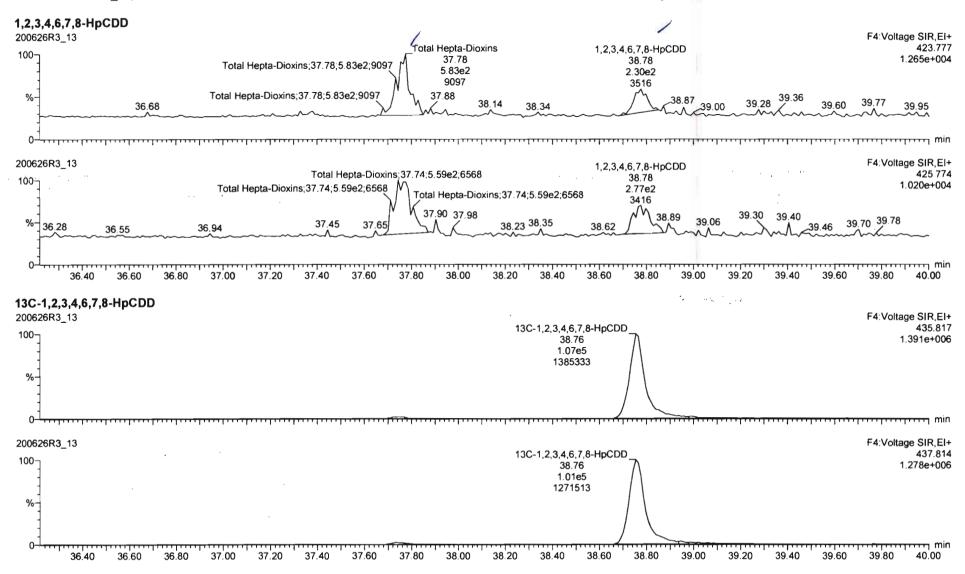
Quantify Sam /ista Analytica		MassLynx 4.1	SCN815										Page	121 of 16
Dataset:	Untitled													
ast Altered: Printed:	Sunday, June 28 Sunday, June 28									X				
lame: 200626	R3_13, Date: 27-	Jun-2020, Time	e: 06:53:3	5, ID: 2001	132-02 Pi	DI-172SC-4	\-04-05-20 ()520 11.27	', Descrip	otion: PDI-1	72SC-A-04	-05-20052	0	
,2,3,4,7,8-Hx 00626R3_13 00 32.82	Total Hexa-Di 33.32 2.57e2 3706	oxins	Hexa-Dioxins 33.32 2.57e2 3706	SP	3.97 ^{34.09}	34.14 34.18 34	^{4.25} 34.35	34.64	8 34.83	34.95 	35.22 3	J 5.28 35.41		Itage SIR, E 389.81 7.113e+00 5.62 35.74
0	Total Hexa-D	ioxins_	•••• • ••••	****	••••			• . • .			[]	•••••		rtrrrrn mi Itage SIR,E 391.81
32 72	33.33 2.30e2 5416 32.93 33	33.41	33.60	33.81 33.8	3.33.92	5 4.11 34.15 3 M M	4.28 	34.63	34.86	34.94 35.04	35.2235.24	35.40 3	5.60.35.63	8.689e+00
0 - 	33.00 33.2	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	
C-1,2,3,4,7, 0626R3_13	B-HxCDD										•		F3:Vo	ltage SIR,E
200 							13C-	13C-1,2,3 1,2,3,4,7,8-H 34,83 1.40e5 2331834		DD;34,93;1.89		-1,2,3,7,8,9-H 35,22 1.64e5 2245999	IxCDD	401.8; 2.840e+00
0- [] 0626R3_13			• • • • • • • • • • • • • • • • • • • •								, , , , , , , , , , , , , , , , , , , 		F3:Va	Itage SIR,E
00 								13C-1,2,:	3,6,7,8-HxC	DD;34.93;1.51	e5;2118652			403.8 2.130e+00
32.80	33.00 33.2	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	m 35.80

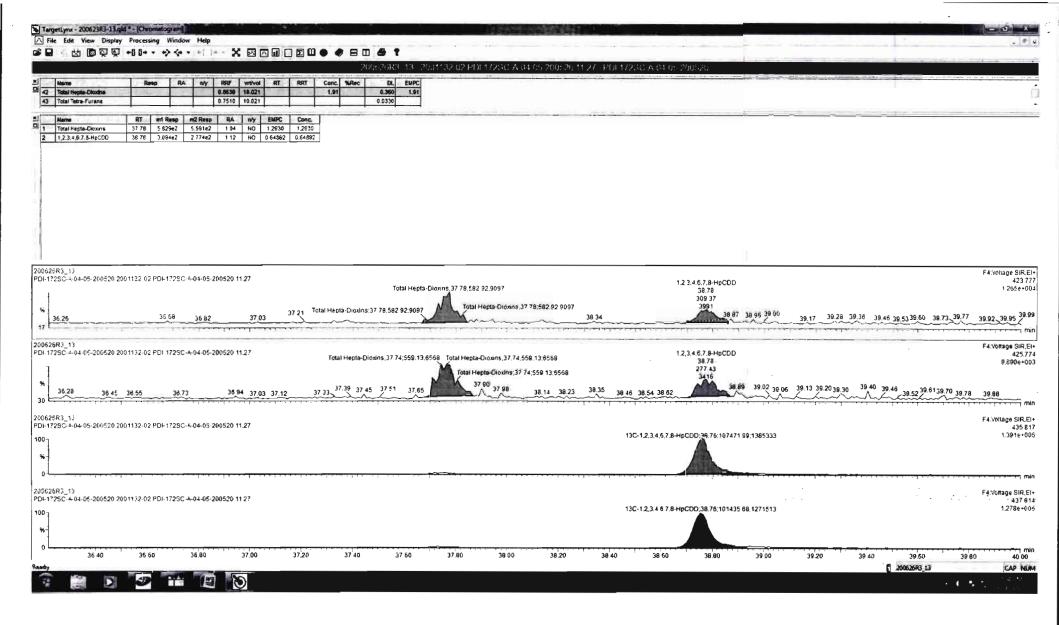
Work Order 2001132

.



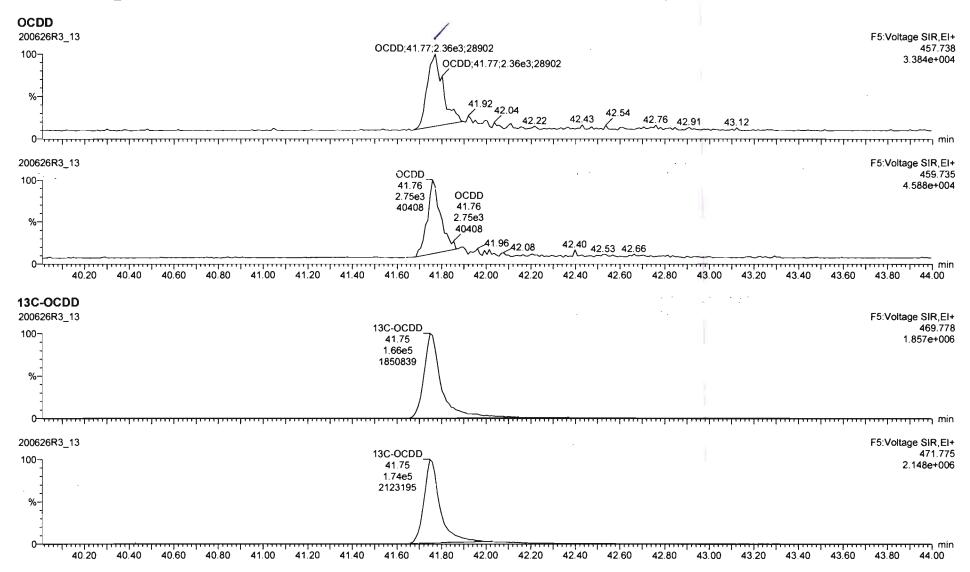
Quantify Sam Vista Analytica	• •	MassLynx 4.1 SCN815	Page 122 of 169
Dataset:	Untitled		
Last Altered: Printed:	Sunday, June 2 Sunday, June 2	8, 2020 9:00:45 AM Pacific Daylight Time 8, 2020 9:00:57 AM Pacific Daylight Time	





Quantify San Vista Analytic	mple Report MassLynx 4.1 SCN815 cal Laboratory	Page 123 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	

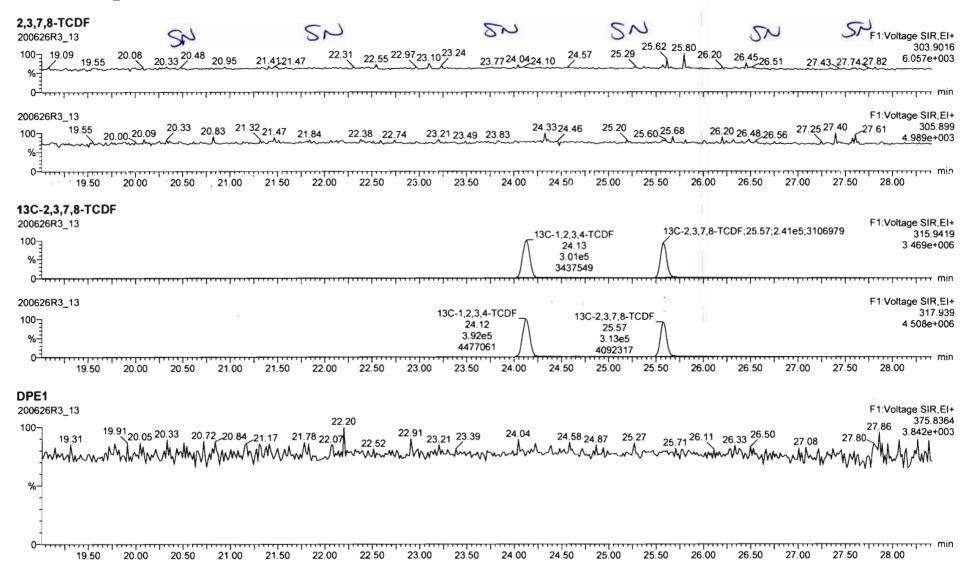
Name: 200626R3_13, Date: 27-Jun-2020, Time: 06:53:35, ID: 2001132-02 PDI-172SC-A-04-05-200520 11.27, Description: PDI-172SC-A-04-05-200520



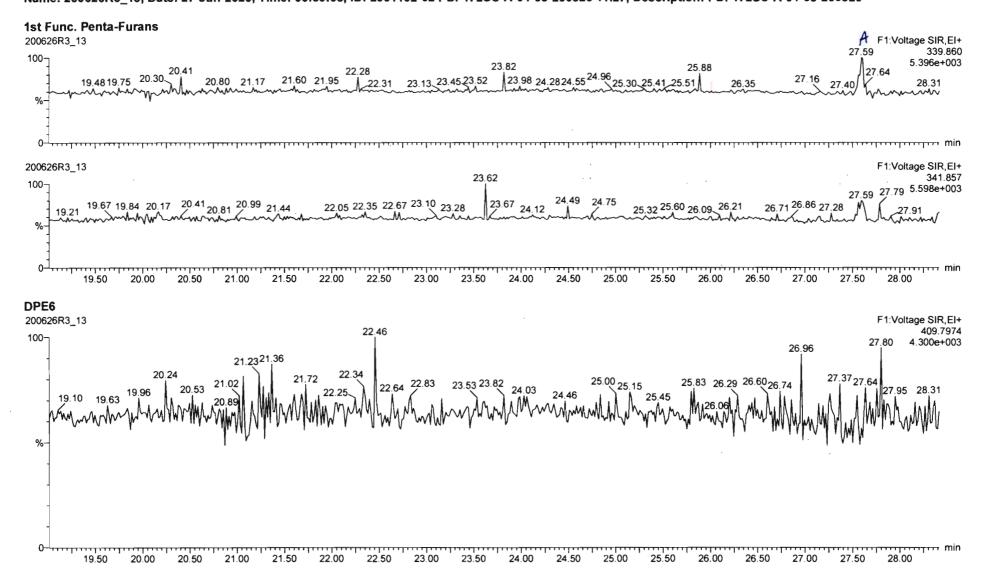
								and the literature			101			00626	R3_13	2001132	-02 PDF1	1250-	A-04-0	a-20052	9.011,27	- FDL	nzse.	A 04-05	20052	20												
Image: State in the s	× K	lame	-Y-Y																												10000							
Image: Second			~	5	.85e3	0.85					1.001	7.77	1			4																						1.1
All F5 Sinky 66 Ch All All All All <td< td=""><td>0 2</td><td>.3.7.0-10</td><td>ur .</td><td>-</td><td></td><td>-</td><td>NU</td><td>0.7510</td><td>10.02</td><td>1</td><td>-</td><td>AC</td><td></td><td>0.071</td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></td<>	0 2	.3.7.0-10	ur .	-		-	NU	0.7510	10.02	1	-	AC		0.071		-																						-
Second No. 10 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 2001 12 7 Prov 1720 - 4 446 2001 12 20 Prov 1720 - 4 446 20 Prov 12 Prov 1720 - 4 446 20 Prov 12 Prov 1720 - 4 446 20 Prov 1	×	lame	1949	सा	ent Re	-	m2 Reep	RA	nly	EMPC	Conc.	T													and the second se					NY TANDAR POT NOT						and a state of the state of		
1000 10000 1000	R 1																																					
1000 10000 1000																																						
1/2 1																																						
1/2 1																																						
1/2 1																																						
1457 738 1457 738 1457 738 13844-004 100 120 02 01 172 002 00 112 02 PDH 17250 - 40-405 200520 1127 0CDD 41 77 7862 01 30253 31844-004 2008/2002,02 120 02 PDH 17250 - 40-405 200520 1127 0CDD 41 78 3170 52.42133 0CD																																						
1000 10000 1000	- 1																																					
1000 10000 1000																																						
1000 10000 1000																																						
1000 10000 1000																																						
1/2 1																																						
1/2 1																																						
1457 738 1457 738 1457 738 13844-004 100 120 02 01 172 002 00 112 02 PDH 17250 - 40-405 200520 1127 0CDD 41 77 7862 01 30253 31844-004 2008/2002,02 120 02 PDH 17250 - 40-405 200520 1127 0CDD 41 78 3170 52.42133 0CD	-											~												_														
0 CDC 4.172 762 01 302 53 3 384+004 0 CDC 4.172 762 01 302 53 3 24 4276 4291 43.12 0 CDC 4.172 762 01 32 02 PDL 1728C - A04 65 200520 1127 0 CDC 4.178 3170 52 42133 0 CDC 4.178 3170 52 4213 0 CDC 4.178 3170 52 582 12115 0 CDC 4.178 440 440 440 440 440 440 440 440 440 44			05-200520 2	001132 (02 PDI-17	28C-4	-04-05-	200520	11.27																											F5:	Vollage S 45	R.EJ+
110 110 120 1	1												OCDO	0 41.77.2	2682 01 3	0253																					3 3844	2+004
2 42 42 42 42 42 42 42 42 42 42 42 42 42	100													1	1.																							
0	50													E	1																							
1 2000-7401_1/2 2000-7401_2/2 2000-74178_31/0 52_42133 2000-74178_31/0 52_42133 2000-74178_31/0 52_42133 2000-74178_31/0 52_42133 42.40 2000-74178_31/0 52_42133 42.40 40.40 40.40 40.50 40														- Aug		~21195	2 11 42.22		12.43 42	54	42.76	42.91		3.12								~ ~						
439.715 4458-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 45976 100 0000 4176 3170 52.42133 42.40 42.40 42.40 42.40 42.40 42.40 42.40 42.40 42.40 42.50 42.50 42.50 42.50 42.50 42.50 42.50 43.60 43.70 4.5776 4.	0	11.0							1.11				1.11.24.22					1.000		****				44.0014	A		العدمدا	***			121127				1			min
439.715 4458-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 4588-004 45976 100 0000 4176 3170 52.42133 42.40 42.40 42.40 42.40 42.40 42.40 42.40 42.40 42.40 42.50 42.50 42.50 42.50 42.50 42.50 42.50 43.60 43.70 4.5776 4.	200626R	3 13				-	_	_						-																						E5	Voltage S	R.EI+
100 100 100 100 100 100 100 100	PDI-1729	5C-A-04	05-200520 2	001132-0	02 PDI-17	29C-A	-04-05-	-200520	11.27																												45	9.735
42.40 42.53 42.66 10 10 10 10 10 10 10 10 10 10	100 .												OCDD	0.41 76:3	170.52.43	133																					4,5886	3+004
42.40 42.53 42.66 42.40 42.53 42.66 F5 Votage Siz F2 13C-OCDD(41 75:154811 25:1837689 4367 F3 13C-OCDD(41 75:154811 25:1837689 40.20 40.40 40.50 40.80 41.00 41.20 41.40 41.60 41.60 42.00 42.20 42.40 42.60 42.80 43.00 43.20 43.40 43.60 43.80 44.00 44.20 44.60 44.80 45.00 F5 Votage Siz F2 13C-OCDD(41 75:154811 25:1837689 13C-OCDD(41 75:174352 59:2123195 13C-OCDD(41 75:174352 59:2123105 13C-OCDD(41 75:174352 59:2123105 13C-OCDD(41 75:174352 59:2123105 13C-OCDD(41 75:174352 59:2123105 13C-OCDD(41 75:174352 59:2123105 13C-OCDD(41 75:174352 59:2123105 13C-OCDD(41 75:1														1	1																							
0 13 13 10 10 10 10 10 10 10 10 10 10	5													1	00	DD 41 76 31	70 52:42133	3	40 .0																			- 1
210622692,15 PDI-17250-4-04-05-200520 700-1132-02 PDI-17250-4-04-05-200520 11.27 13C-OCDD: 41 75-154811 25-1837689 1357e-005 13C-OCDD: 41 75-154811 25-1837689 1357e-005 13C-OCDD: 41 75-154811 25-1837689 1357e-005 13C-OCDD: 41 75-154811 25-1837689 1357e-005 13C-OCDD: 41 75-154811 25-1837689 13C-OCDD: 41 75-174352 58:2123195 13C-OCDD: 41 75-174352 58:2123	0													Am	and a second	min			42	53 42.0																		
13C-OCDD: 41 75: 154811 25: 1837689 1.857e-005 1.857			1.0.2.1.2.0							11. 11											1.11.1.			1														
13C-OCDD: 41 75: 154811 25: 1837689 1.857e-005 1.857	200626R	13_13																																		F5	Voltage S	R EI+
100 50 50 50 50 50 50 50 50 50	PDI-1725	51204	05-200520 2	001132-0	02 PDF 17	2SC-4	-04-05-	200520	11.27			13			4011 26	1037600																					46	9778
0 2005/2673_13 PDI-1723C-4-04-05-2005/20 2001132-02 PDI-1723C-4-04-05-2005/20 11 27 13C-OCDD,41.75-174352 59:2123195 100 40.20 40.20 40.40 40.60 40.80 41.00 41.00 41.00 41.00 41.60 41.60 41.60 41.60 41.60 41.60 41.60 41.60 42.00 42.20 42.40 42.60 42.60 42.80 43.00 43.20 43.40 43.60 40.60 40	100											12	30-0000.	A 175,15	401123.	03/009																					1.0073	
0 2005/2673_13 PDI-1723C-4-04-05-2005/20 2001132-02 PDI-1723C-4-04-05-2005/20 11 27 13C-OCDD,41.75-174352 59:2123195 100 40.20 40.20 40.40 40.60 40.80 41.00 41.00 41.00 41.00 41.00 41.00 41.60 41.60 41.60 41.60 41.60 41.60 42.00 42.20 42.40 42.60 42.60 42.60 42.60 42.60 42.60 42.60 42.60 43.60 40.60 40.60 40.60 40														- All	Δ.																							
PDI-1725C 4 04-05-200520 2001132-02 PDI-1725C 4-04 05 200520 11 27 100 40-20 40 40 50 40'80 4100 4120 4140 4160 41 60 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 Ready	~																																					
PDI-1725C 4 04-05-200520 2001132-02 PDI-1725C 4-04 05 200520 11 27 100 40-20 40 40 50 40'80 4100 4120 4140 4160 41 60 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 Ready	0							····						- Colore		1	· · · · · · · · · · · · · · · · · · ·		· · · · · ·	,	• • • • • • • • •						,							-	,			r min
PDI-1725C 4 04-05-200520 2001132-02 PDI-1725C 4-04 05 200520 11 27 100 40-20 40 40 50 40'80 4100 4120 4140 4160 41 60 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 Ready																																						
100 100 100 100 100 100 100 100	PDI-1725	(3_13 5C 4 04	05-200520.2	001132-0	02 PDI-1?	230-4	-04-05	200520	11 27																											P 0.	vonage Si 47	1.775
%- 0												13	COCDD:	41.75.17	4352 59:	2123195																					2 1486	+005
0 40.20 40.40 40.60 40.80 41.00 41.20 41.40 41.60 41.60 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 Ready	1001																									•												
40.20 40.40 40 60 40.80 41.00 41.20 41.40 41.60 41.60 42.00 42.20 42.40 42.50 42.80 43.00 43.20 43.40 43.60 43.80 44.00 44.20 44.40 44.60 44.80 45.00	*-													A11																								
40.20 40.40 40 60 40.80 41.00 41.20 41.40 41.60 41.60 42.00 42.20 42.40 42.50 42.80 43.00 43.20 43.40 43.60 43.80 44.00 44.20 44.40 44.60 44.80 45.00														10																								
[200625R3_13 (CAP INUM	0	4	20	0 40	40 60)	40,80	4	\$1 00	41.2	0 .	41 40	41,60	0 4	41 60	42 00	42,20	42	40	42 50	42.8	0	43.00	43,20		43 40	43 60		43 80	44.00	44	20	44.40	44	.60	44.80	45	nin Dù
	Ready	-	-	-															-							-	- ••											
		AD:	1070					1																							_	<u></u>	40002		_			
		100				194	1		\odot																										• (× .		

- # ×

Quantify San Vista Analytica		Page 124 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	



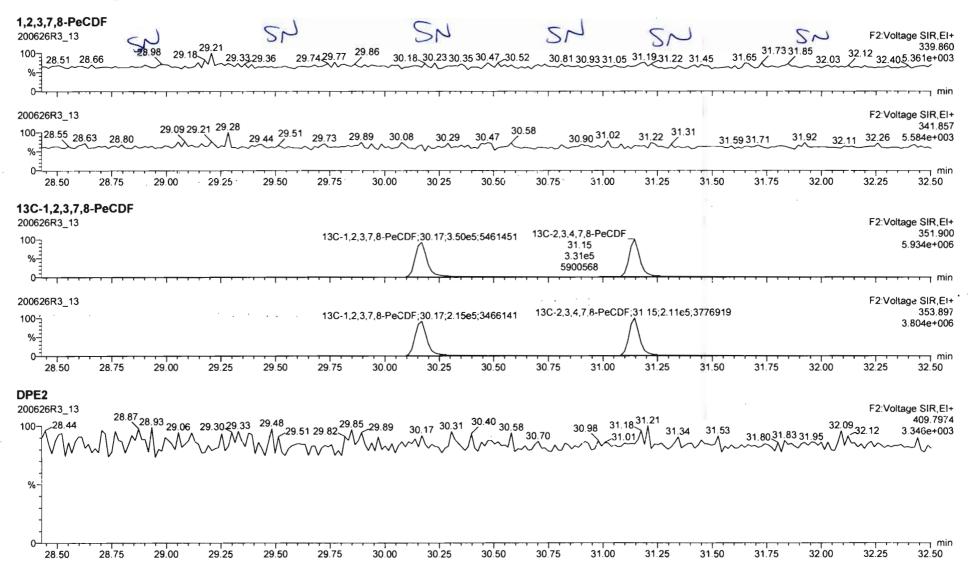
Quantify San Vista Analytic	• •	MassLynx 4.1 SCN815	Page 125 of 169
Dataset:	Untitled		
Last Altered: Printed:		28, 2020 9:00:45 AM Pacific Daylight Time 28, 2020 9:00:57 AM Pacific Daylight Time	



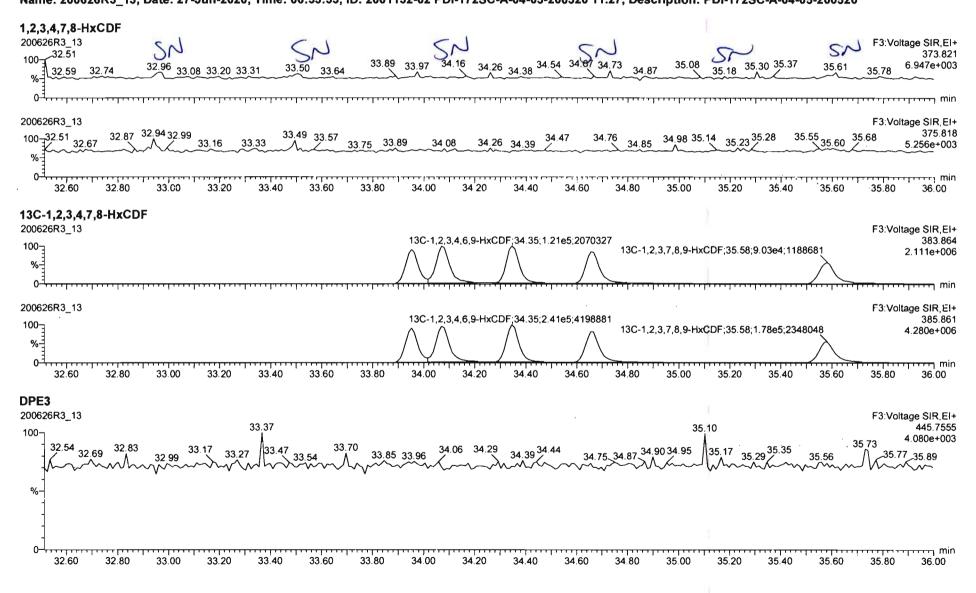
S)TargetLynx - 20062383-13 qkl * - [Chrometogram] ○ File Edit View Display Processing Window Help ☞ 문 · 战 國 突 实 +8 8 → · · · · · · · · · · · · · · · · ·			
	A 04 65 200529 11 27 FDF 1728C A 04 05 200520		
200626R3_13 PDI-172SC-4-04-05-200520 2001132-02 PDI-172SC-4-04-05-200520 11 27 Ist Func. Penta-Furans:27.59.142 14 2404 25.88 48 48			F1 voltage SIR Et+ * 339 850 5 396+003
200626R3_13 PDI-1725C-4-04-05-200520 2001132-02 PDI-1725C-4-04-05-200520 11 27 Ist Func. Penta-Furane: 27.50:101 50.1346 * 26.00 26.09 ^{26.21} 26.41 26.48 26.71 26.86 27.04 ²⁷ 15 ²⁷ .28 27.04 ²⁷ 15 ²⁷ .28 27.04 ²⁷ 15 ²⁷ .28 27.04 ²⁷ 15 ²⁷ .28			F1*voftage SiR,EI+ 341,857 4 443e+003 E
64	13C-1.2.3.7 8-PeCDF 30.17 349647.78 5461461	· 31.15	F2 voltage SIR.EI- 351 900 5 934e+005
0	13C-12.3.7.8-PeCDF 30.17 214945 16 3466141	31.15	F2:voftage SIR,EI+ 365.897 3 804e+005
0 25.80 26.00 26.20 26.40 26.60 26.80 27.00 27.20 27.40 27.60 27.80 28.00 28.20 28.40 28.60 28.80 29.0 Ready	0 29 20 29 40 29 60 29 80 30 00 30 20 30		31.80 32.00 32.20 32.40 min 200626R3_13 CAP NUM

•

Quantify San Vista Analytica		nx 4.1 SCN815		Page 126 of 169
Dataset:	Untitled			
Last Altered: Printed:		00:45 AM Pacific Daylight Time 00:57 AM Pacific Daylight Time	 	



Quantify San Vista Analytica		Page 127 of
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	
Name: 20062	6R3 13 Date: 27-Jun-2020 Time: 06:53:35 JD: 2001132-02 PDI-172SC-A-04-05-2005	20 11 27 Description: DDI 1725C A 04 05 200520



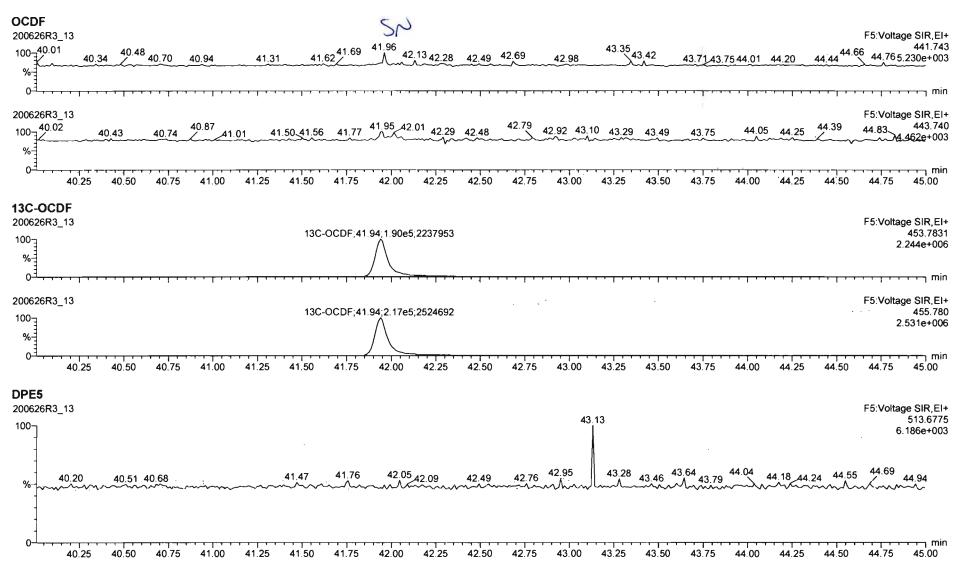
Quantify Sam /ista Analytica		MassLynx 4.1 S	CN815						Pa	ge 128 of 16
Dataset:	Untitled									
ast Altered: mnted:	Sunday, June 2 Sunday, June 2	28, 2020 9:00:45 AN 28, 2020 9:00:57 AN	1 Pacific Daylight Time 1 Pacific Daylight Time							
										*
lame: 200620	6R3_13, Date: 2	7Jun-2020, Time:	06:53:35, ID: 2001132-	02 PDI-172SC-A	-04-05-20052	0 11.27, De	scription: P	DI-172SC-A-04	-05-200520	
,2,3,4,6,7,8-H	IpCDF			52						
00626R3_13 100	.39 36.52	36.92 37.2137.3	37.48 37.62	37.90 37.99 38.04	38.31_38.36	.38.48 38.72	38,93 3	9.07 39.17 SA	9	Voltage SIR,EI 407.78
%-1 %-1		30.92 37.2137.3		- Andrew		<u></u>		huhut		<u>4-580e</u> +00
. 1							.1			mi
00626R3_13			07.00	27.05.29.01						Voltage SIR,E 409.77
provide	6 36.48 36.70 36.7	⁸ 36.83 ^{37.02} 37.2	37.36 37.39 37.67 ³	7.88 37.95 38.01	38.24 38.38	38.58	38.87	39.14 39.17 39	40 39 44 39.61 39.7	4.956e+00
%-										
0 ⁻¹) 36.60 36.3	50 37.00 37.20	37.40 37.60 37.	80 38.00 38	.20 38.40		8.80 39.00	39.20 39.4	40 39.60 39	80 40.00
3C-1,2,3,4,6,	7,8-HpCDF							· ·		
00626R3_13	•	13C-1 2 3 4 6 7 8-I	lpCDF;37.36;7.02e4;868367						F4:	Voltage SIR,EI 417.82
00- 		·····	\bigwedge				13C-1,2,3	,4,7,8,9-HpCDF;39.	31;4.55e4;633944	8.734e+00
0	····	····					· · · · · · · · · · · · · · · · · · ·			m r
00626R3_13					•				F4:	Voltage SIR,E
00 [.] <u> </u>		13C-1,2,3,4,6,7,8-H	pCDF;37.36;1.67e5;2077486	•			13C-1,2,3,	4,7,8,9-HpCDF;39.3	31;1.08e5;1490402	419.82 2.083e+00
%								\wedge		
0 ⁻¹) 36.60 36.1	B0 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.	40 39.60 39	.80 40.00
PE4										
0626R3_13			27.50						F4:	Voltage SIR,E 479.710
00]	36.73	36.83 37.08	37.59 37.65	38,02			29.01	20.01		4.273e+0
. <u>36.32</u> 36.	35 36.55	Kamanan	7.30 37.57 37.81	37.91	38.2538.36 38.	38.63	38.83 36.91	39.04 39.31 39.22 3	9.5239.63 39.68 3	9.83
%						••••	• • •	• • • • • •		
70-										
-										
0										m
36.4	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.	40 39.60 39	.80 40.00

• •

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

Dataset: Untitled

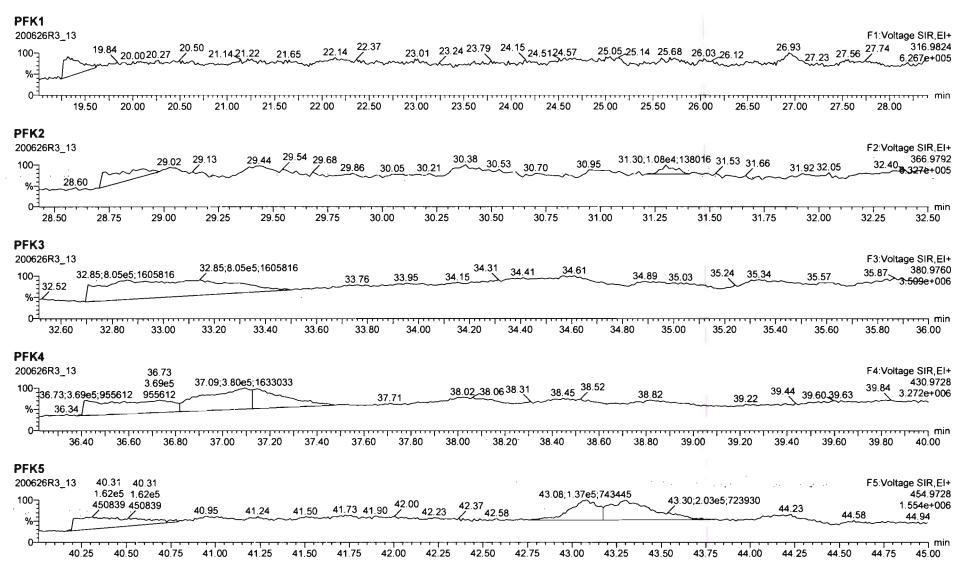
Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



Quantify Sample Report	MassLynx 4.1 SCN815
Vista Analytical Laboratory	

Dataset: Untitled

Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



Quantify San Vista Analytica	al Laboratory MassLynx 4.1 SCN815		Page 1 of 2
Dataset:	U:\VG12.PR0\Results\200628R1\200628R1-7.qld		
Last Altered: Printed:	Tuesday, June 30, 2020 3:02:31 PM Pacific Daylight Time Tuesday, June 30, 2020 3:04:31 PM Pacific Daylight Time	GRB	06/30/2020

C7 07/02/2020

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_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10.96, Description: PDI-172SC-A-05-06-200520

State State	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
10100 2000	1 2,3,7,8-TCDD			NO	0.888	10.041	26.501		1.001				0.143	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.041	31.473		1.001				0.100	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.041	34.835		1.000				0.161	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.041	34.932		1.000				0.150	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.041	35.230		1.000				0.187	
6	6 1,2,3,4,6,7,8-HpCDD	6.57e2	1.18	NO	0.864	10.041	38.767	38.78	1.000	1.001	0.61384		0.240	0.614
7 5 - 17 5 -	7 OCDD	5.30e3	0.87	NO	0.914	10.041	41.748	41.78	1.000	1.001	5.6630		0.315	5.66
8	8 2,3,7,8-TCDF			NO	0.751	10.041	25.612		1.001				0.0593	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.041	30.190		1.001				0.0642	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.041	31.177		1.001				0.0581	
11/20/00/07/1	11 1,2,3,4,7.8-HxCDF			NO	0.884	10.041	33.952		1.000		•		0.0707	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.041	34.079		1.000				0.0609	
13	13 2,3.4,6,7,8-HxCDF			NO	0.934	10.041	34.690		1.001				0.0681	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.041	35.581		1.000				0.119	
15	15 1.2,3,4,6,7,8-HpCDF			NO	0.873	10.041	37.397		1.001				0.0949	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.041	39.309		1.000				0.118	
17	17 OCDF			NO	0.806	10.041	41.940		1.000				0.235	
18	18 13C-2,3,7,8-TCDD	5.07e5	0.82	NO	1.16	10.041	26.507	26.47	1.026	1.025	160.03	80.3	0.345	
19	19 13C-1,2,3,7,8-PeCDD	4.17e5	0.63	NO	0.849	10.041	31.692	31.45	1.227	1.218	178.93	89.8	0.555	
20	20 13C-1,2,3,4,7,8-HxCDD	2.81e5	1.28	NO	0.779	10.041	34.830	34.83	1.014	1.014	146.89	73.7	0.964	
21	21 13C-1,2,3,6,7,8-HxCDD	4.16e5	1.22	NO	1.02	10.041	34.944	34.93	1.017	1.017	166.34	83.5	0.739	
22	22 13C-1,2,3,7,8,9-HxCDD	3.67e5	1.15	NO	0.903	10.041	35.215	35.22	1.025	1.025	165.37	83.0	0.832	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.47e5	1.06	NO	0.689	10.041	38.739	38.76	1.128	1.128	145.75	73.2	0.698	
24	24 13C-OCDD	4.08e5	0.90	NO	0.652	10.041	41.761	41.75	1.216	1.216	254.80	64.0	0.902	
25	25 13C-2,3,7,8-TCDF	6.21e5	0.78	NO	1.06	10.041	25.549	25.59	0.989	0.991	143.99	72.3	0.481	
26	26 13C-1,2,3,7,8-PeCDF	6.26e5	1.62	NO	0.838	10.041	30.076	30.17	1.165	1.168	183.34	92.0	0.742	
27.5	27 13C-2.3,4,7,8-PeCDF	5.86e5	1.59	NO	0.817	10. 04 1	31.029	31.15	1.202	1.206	176.05	88.4	0.761	
28	28 13C-1,2,3,4,7,8-HxCDF	3.77e5	0.50	NO	1.01	10.041	33.961	33.95	0.989	0.989	152.35	76.5	0.717	
29	29 13C-1,2,3,6,7,8-HxCDF	4.88e5	0.47	NO	1.17	10.041	34.085	34.07	0.992	0.992	170.11	85.4	0.619	
30	30 13C-2,3,4,6,7,8-HxCDF	4.32e5	0.46	NO	1.02	10.041	34.659	34.65	1.009	1.009	172.04	86.4	0.707	
31	31 13C-1,2,3,7,8,9-HxCDF	3.33e5	0.51	NO	0.860	10.041	35.558	35.58	1.035	1.036	157.69	79.2	0.840	

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

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-7.qld

Last Altered:	Tuesday, June 30, 2020 3:02:31 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 3:04:31 PM Pacific Daylight Time

Name: 200628R1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10.96, Description: PDI-172SC-A-05-06-200520

	# 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	3.00e5	0.43	NO	0.774	10.041	37.307	37.36	1.086	1.088	157.75	79.2	0.951	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.89e5	0.40	NO	0.521	10.041	39.336	39.31	1.145	1.145	147.69	74.2	1.41	
34	34 13C-OCDF	4.97e5	0.86	NO	0.746	10.041	41.933	41.94	1.221	1.221	271.04	68.0	0.810	
35	35 37CI-2,3,7,8-TCDD	2.15e5			1.04	10.041	26.538	26.50	1.028	1.026	75.534	94.8	0.0832	
36	36 13C-1,2,3,4-TCDD	5.46e5	0.78	NO	1.00	10.041	25.890	25.83	1.000	1.000	199.18	100	0.399	
37	37 13C-1,2,3,4-TCDF	8.11e5	0.79	NO	1.00	10.041	24.360	24.13	1.000	1.000	199.18	100	0.509	
38	38 13C-1,2,3,4,6,9-HxCDF	4.89e5	0.44	NO	1.00	10.041	34.420	34.35	1.000	1.000	199.18	100	0.722	
39	39 Total Tetra-Dioxins				0.888	10.041	24.620		0.000				0.0942	
40	40 Total Penta-Dioxins				0.908	10.041	29.960		0.000				0.0463	
41	41 Total Hexa-Dioxins				0.892	10.041	33.635		0.000		0.52495		0.172	0.525
42	42 Total Hepta-Dioxins				0.864	10.041	37.640		0.000		1.8349		0.240	1.83
43	43 Total Tetra-Furans				0.751	10.041	23.610		0.000				0.0220	
44	44 1st Func. Penta-Furans				0.893	10.041	27.580		0.000				0.0181	
45	45 Total Penta-Furans				0.893	10.041	29.275		0.000				0.0293	
46	46 Total Hexa-Furans				0.934	10.041	33.555		0.000				0.0393	
47	47 Total Hepta-Furans				0.873	10.041	37.835		0.000				0.0597	

Page 2 of 2

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-7.qld

Last Altered:	Tuesday, June 30, 2020 3:02:31 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 3:04:31 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_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10.96, Description: PDI-172SC-A-05-06-200520

Tetra-Dioxins

Name	RT	m1 Height m2 Height	m1 Resp	m2 Resp	RA n/y	Resp	Conc.	EMPC	DL
1 NO VUERVIE									

Penta-Dioxins

Name	m1 Height m2 Height	m1 Resp m2 Resp	RA n/y R	lesp Conc.	EMPC DL
A manual statements					

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	100	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hexa-Dioxins	33.32	4.803e3	4.553e3		2.744e2	2.178e2	1.26	NO	4.923e2	0.30996	0.30996	0.172
2 Total Hexa-Dioxins	34.15	3.549e3	2.481e3		1.896e2	1.518e2	1.25	NO	3.414e2	0.21499	0.21499	0.172

Hepta-Dioxins

Name Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hepta-Dioxins	37.78	7.940e3	6.731e3	6.435e2	6.638e2	0.97	NO	1.307e3	1.2211	1.2211	0.240
2 1,2,3,4,6,7,8-HpCDD	38.78	6.384e3	4.255e3	3.557e2	3.015e2	1.18	NO	6.571e2	0.61384	0.61384	0.240

Tetra-Furans

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

Penta-Furans function 1

Name	m1 Height m2 Height	m1 Resp m2 Resp	RA n/y	Resp Cor	C. EMPC	DL

Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200628R1\200628R1-7.qld

Last Altered: Tuesday, June 30, 2020 3:02:31 PM Pacific Daylight Time Printed: Tuesday, June 30, 2020 3:04:31 PM Pacific Daylight Time

Name: 200628R1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10.96, Description: PDI-172SC-A-05-06-200520

Penta-Furans

Name	RT	m1 Height m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
A REPORT OF THE REPORT OF				1						

Hexa-Furans

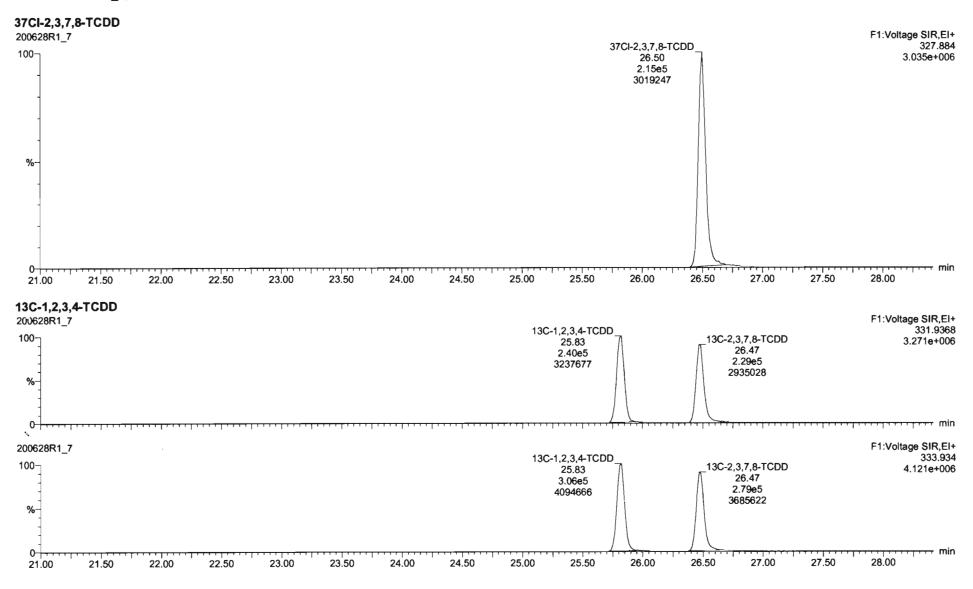
Name	RT	rn1 Height m2 Height	m1 Resp	m2 Resp	RA n/y	Resp	Conc.	EMPC DL	
1 and the second se									

Hepta-Furans

Name	m1 Height m2 Height	m1 Resp m2 Resp R	RA n/y Resp	Conc. EMPC DL
and the second se				

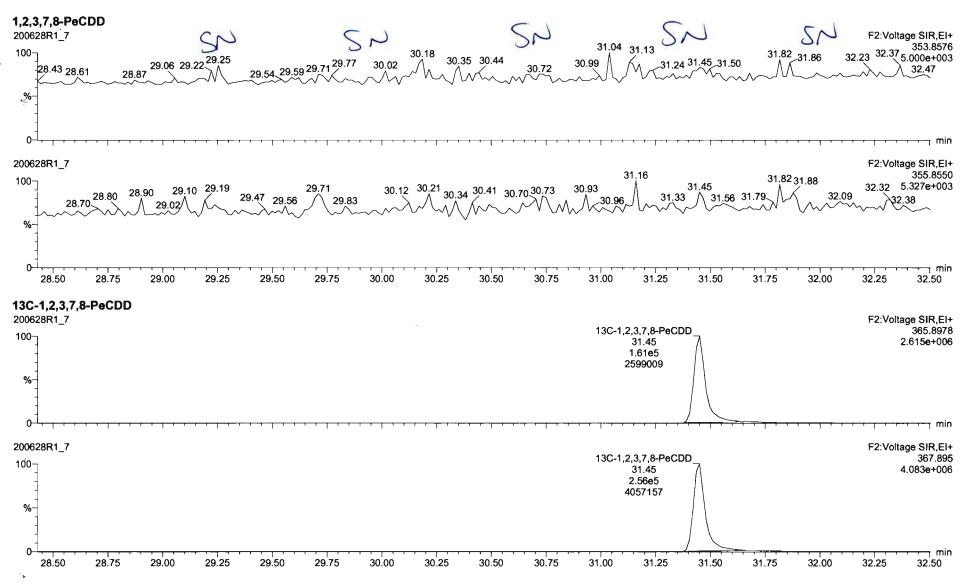
Quantify Sam Vista Analytica		SCN815			Page 66 of 182
Dataset:	Untitled				
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Monday, June 29, 2020 06:58:35				
Name: 20062	8R1_7, Date: 28~Jun-2020, Time:	15:02:41, ID: 2001132-03 PDI-172S	C-A-05-06-200520 10.96, Desc	ription: PDI-172SC-A-05-06-2005	20
2,3,7,8-TCDD 200628R1_7 100 21.13 21.16 %	\sim	SN 8.03 23.36 23.64 23.79 24.18 24.36 Mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm	5N 25.68 50 24.82 25.02 25.59 26.5 MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	N 5N 26.27 26.36 26.86 26.93 27.46 MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	F1:Voltage SIR,EI- 28.17 319.896 5.058e+003 27.82 27.89 28.29
0-			********		F1:Voltage SIR,EI
100 21.25 21.3 %		24.30 88 23.25 23.68 23.82 24.09 24.67 24.67 24.67 24.67 24.67 24.67 24.67 24.50	24.73 24.9425.0525.36 25.45 25.71	26.50 2.65e2 3617 26.39 26.39 27.07 27.462 0 26.50 27.00 27.50	321.894 6.942e+003 27.67 28.17 28.29
3C-2,3,7,8-T		20.00 20.00 24.00 24.00	20.00 20.00 20.0	0 20.00 21.00 21.00	20.00
200628R1_7			13C-1,2,3,4-TCDD_ 25.83 2.40e5	13C-2,3,7,8-TCDD 26,47 2.29e5	F1:Voltage SIR,EI+ 331.9368 3.271e+006
%			3237677	2935028	
200628R1_7					F1:Voltage SIR,E
100			13C-1,2,3,4-TCDD 25.83 3.06e5	_13C-2,3,7,8-TCDD ∬ 26.47	333.934 4.121e+006

Quantify San Vista Analytica		Page 67 of 182
Dataset:	Untitled	
Last Altered:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	

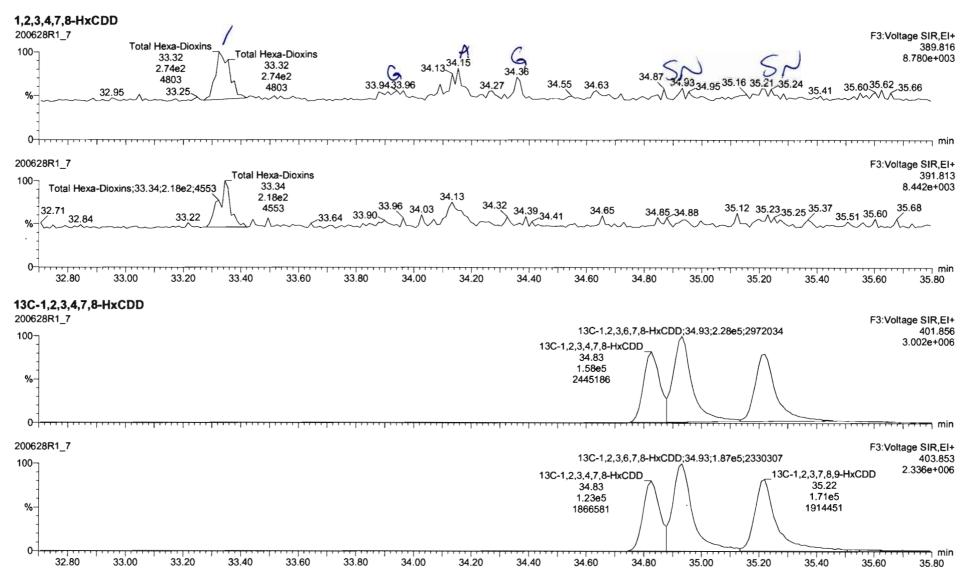


~

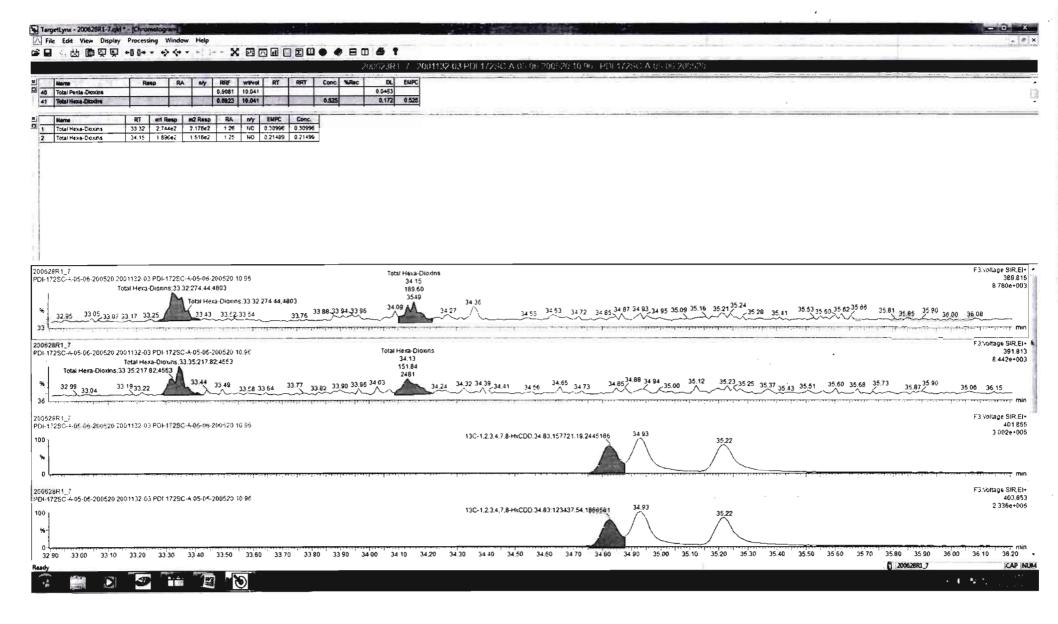
Quantify Sam Vista Analytica		Page 68 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	



Quantify Samp Vista Analytical		Page 69 of 182
Dataset:	Untitled	
	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	

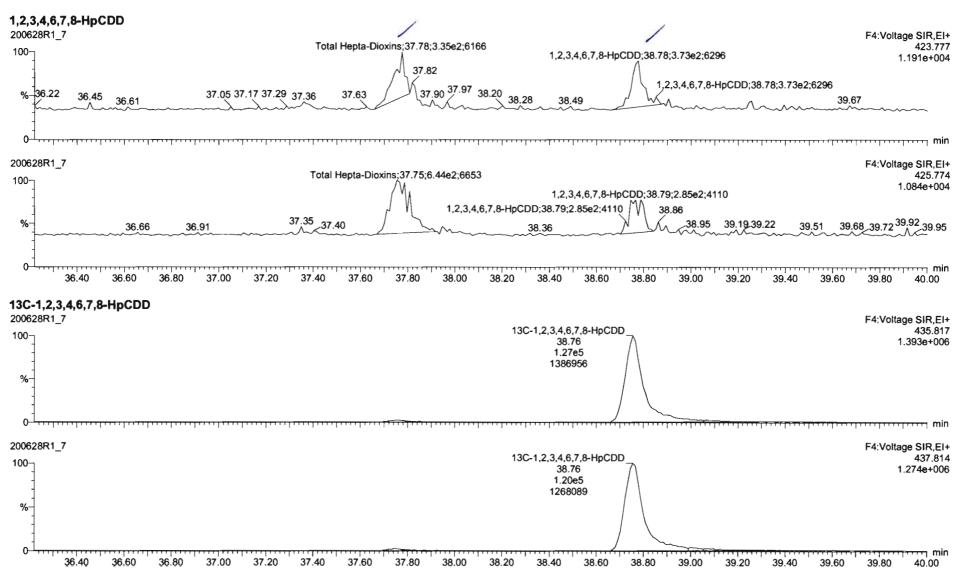


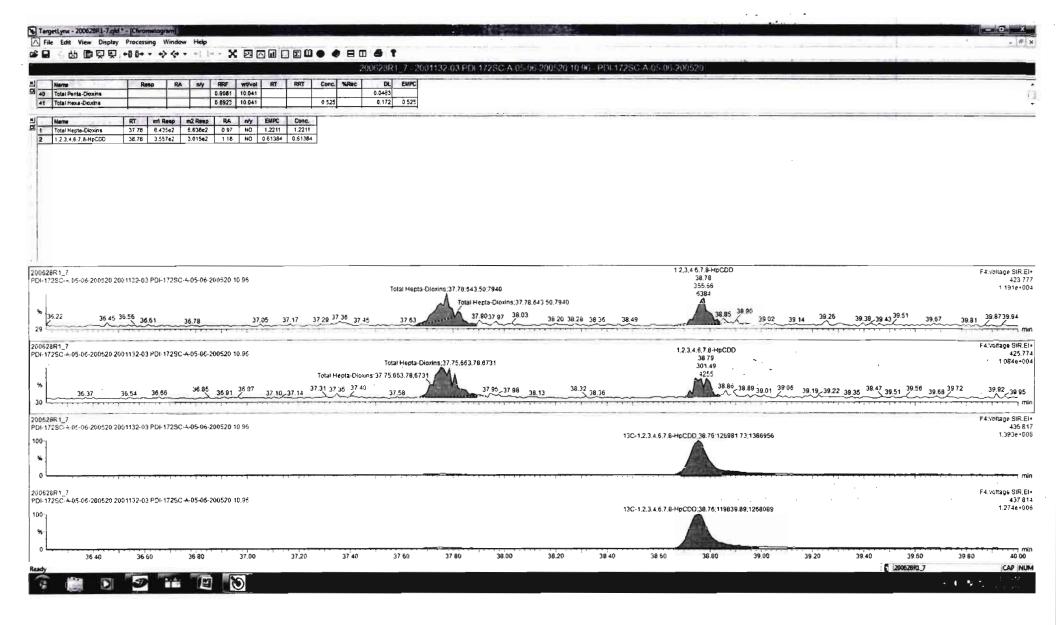
~



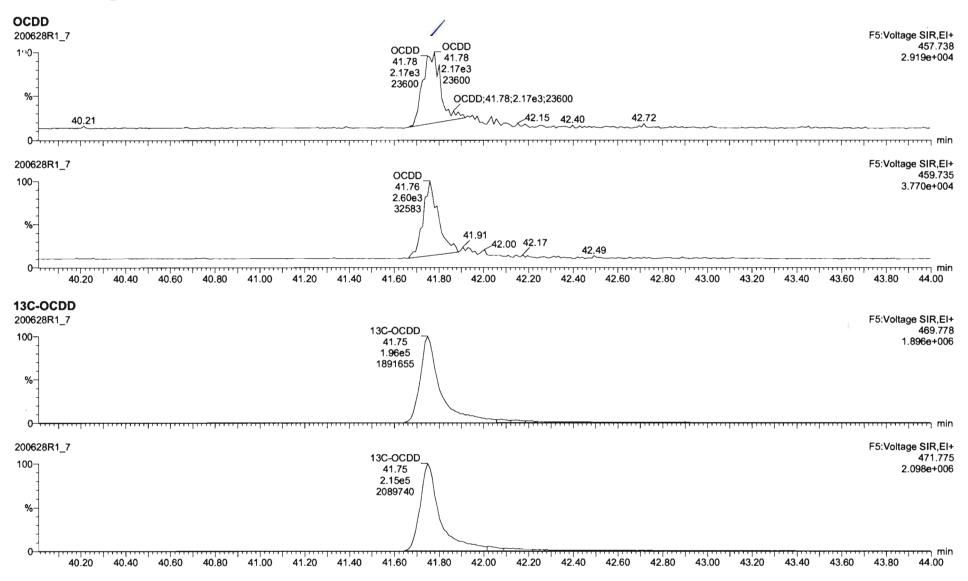
Work Order 2001132

Quantify San Vista Analytica		Page 70 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	



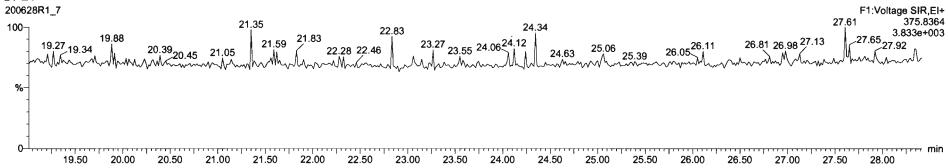


Quantify Sam Vista Analytica		Page 71 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	

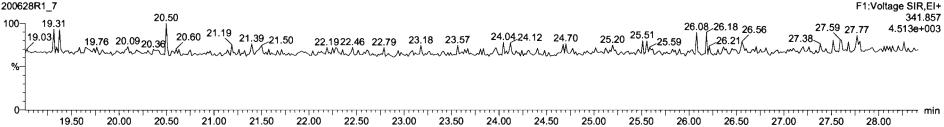


TargetLynx - 20062581-72pt *- [Chrometogram] A File Edit View Display Processing Window Help	
全日 《 故 國 突 및 +1 0+ ◇ ↔ × 図 四 0 □ 2 0 ● ◆ 日 0 - ● ↑ 20062381 / - 2001132 03 PDI 1/28C A 05 05 200520 10	01 DD147202 & 01 00-000
2010/27K (F 2001-22 US PDF 1/25G A 0.1-90-290-291-97 H Reme Resp RA My RRF w/wol RT RRT Conc, %Rec DL EMPC	
Hermit Control Hor Hor Hor Hor Hor Larry 7 OCDO 5.30e3 0.87 HO 0.9136 10.041 41.78 1.001 5.665 0.315 5.665 8 2.3.7.5-TCDF HO 0.7510 10.041 0.0593 0.0593	
U Name RT ent Rasp m2 Rasp RA n/y EMPC Conc.	
200628R1_7 2DE172SC-4-05-06/200520 2001132-03 PDE172SC-4-05-06-200520 10 95	F5:Voltage SIR.I 457 ?
000D 41 73;2471 86:24979 000D 41 73;2471 86:24979	2 919e+0
40.21 42.40 42.72	44.05
200628R1_7 PDI-172SC-4-05-06-200520 2001132-03 PDI-172SC-4-05-06-200520 10 96 000-1	F5:tot#age SIR.) 459.7 3 770e+0
% 41.91 42.00 42.17 42.49	·
0	F5 Voltage SIR.3
PDF172SC-A-05-06-200520 2001132-03 PDF172SC-A-05-06-200520 10 95 100-1 13C-OCDD:41 75:192944 42:1891460	4697 1896e-0
	• • • • • • • • • • • • • • • • • • •
200629R1_7	F5.Vonage SIR.
PDI-1725C-+-05-06-200620 200 1132-03 PDI-172SC-+-05-06-200520 10 ?? 100] 13C-OCDD,41.75,215332 42;2089740	471.7 2.098e+0
%-	\$1-1 ⁸⁰ \$
Ready	42 80 43 00 43 20 43 40 43 60 43 80 44 00 44 20 44 40 44 60 44 80 45 00 [] 20062881 7 CAP INI
	 Control of the second se

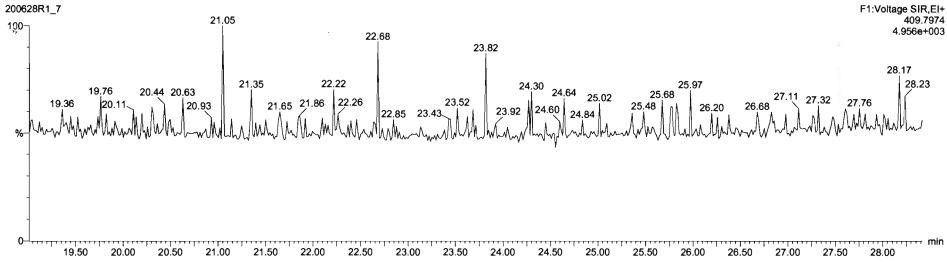
i ple Report al Laboratory	MassLynx	4.1 SCN8	15										Page 72 of 18
Untitled													
8R1_7, Date: 28-、	Jun-2020, Tir	me: 15:02	2:41, ID: 20	001132-03	PDI-172SC-	A-05-06-:	200520 10.	96, Descri	ption: PDI	-172SC-A	-05-06-200)520	
SN	20.96	SrJ 21.7	8 22.13	Sr 22.71	۲	23.92	24.48 24.7	0 25.26	25.63 25.83	26 53	S	N 11 070	F1:Voltage SIR,EI 303.901 527.79 5.531e+00
							····		~/~~ •••••	-^^-		·····	mi
19.69 20.33 20.45	20.77	21.51 21.75	5 21.98 22.26	22.56 22.67 ~M~~~~~	23.36 23.55 ₂	3.82 24.1	9 24.76	24.94 25.5 	7 25.83	26.51 26	.71 27.01	2.11 27.62	F1:Voltage SIR,El 27.80 305.89 5.259e+00
0 20.00 20.5	i0 21.00	21.50	22.00 2	2.50 23.0	0 23.50	24.00	24.50 2	5.00 25.	50 26.00	26.50	27.00	27.50	28.00 mi
CDF					24.13 3.59e	5	13C-2,	3,7,8-TCDF;	25.59;2.73e5;	3570485			F1:Voltage SIR,E 315.941 4.229e+00
					13C-1,2,3,4	-TCDF	120.2	3 7 8-TCDE:	25.59;3.48e5;	4450000			F1:Voltage SIR,E 317.93
	Untitled Monday, June 29 Monday, June 29 BR1_7, Date: 28-J 00 19.99.20.08.20.18 19.69 20.33 20.45 19.69 20.33 20.45	Untitled Monday, June 29, 2020 06:55 Monday, June 29, 2020 06:55 BR1_7, Date: 28-Jun-2020, Tit 00 19.99.20.08 20.18 20.86 21.36 20.86 21.36 19.69 20.33 20.45 20.77 2 20.00 20.50 21.00	Untitled Monday, June 29, 2020 06:52:07 Pacifi Monday, June 29, 2020 06:58:35 Pacifi BR1_7, Date: 28-Jun-2020, Time: 15:02 30 19.99.20.08 20.18 20.86 21.36 21.47 21.7 19.69 20.33 20.45 20.77 21.51 21.77 21.71 21.7	Untitled Monday, June 29, 2020 06:52:07 Pacific Daylight Monday, June 29, 2020 06:58:35 Pacific Daylight BR1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 20 30 19.99.20.08 20.18 20.86 21.36 21.47 21.78 22.13 19.69 20.33 20.45 20.77 21.51 21.75 19.69 20.33 20.45 20.77 21.51 21.98 22.26 21.51 21.98 22.26 21.51 21.98 22.26	Untitled Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time BR1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 $S_{00} 19.99.20.08.20.18 \ 20.86\ 21.36\ 21.47\ 21.78\ 22.13\ 22.71\ 2$	Untitled Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time BR1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC- 3019.99.20.08 20.18 20.86 21.36 21.47 21.78 22.13 22.71 23.15 23 19.69 20.33 20.45 20.77 21.51 21.75 21.98 22.26 22.56 22.67 23.36 23.552 19.69 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 CDF 13C-1.2.3.4 24.13 3.59et	Untitled Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time BR1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-2 SN SN SN SN SN SN SN SN	Untitled Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time BR1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10:9 3019.99.20.08.20.18 20.86 21.36 21.47 21.78 22.13 22.71 23.15 23.73 23.92 24.48 24.7 3019.99.20.08.20.18 20.86 21.36 21.47 21.78 22.13 22.71 23.15 23.73 23.92 24.48 24.7 19.69 20.33 20.45 20.77 21.51 21.75 21.98 22.26 22.56 22.67 23.36 23.55 23.82 24.19 24.76 19.69 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 2 CDF 13C-1.2.3.4+TCDF 13C-2.3.59e5	Untitled Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time BR1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10.96, Description 19:09:00:82:0.18 20:86 21:36 21:47 21:78 22:13 22:71 23:15 23:73 $\stackrel{23:92}{=}$ 24:48 $\stackrel{24:70}{=}$ 25:36 $\stackrel{50}{=}$ 20:38 20:86 21:36 21:47 $\stackrel{21:75}{=}$ 22:13 22:71 23:15 23:73 $\stackrel{23:92}{=}$ 24:48 $\stackrel{24:70}{=}$ 25:36 19:69 20:33 20:45 20:77 $\stackrel{21:51}{=}$ $\stackrel{21:75}{=}$ 21:98 22:26 22:56 22:67 $\stackrel{23:36}{=}$ 23:55 23:82 24:19 24:76 $\stackrel{24:94}{=}$ 25:5 $\stackrel{10}{=}$ 20:00 20:00 20:50 21:00 21:50 22:00 22:50 23:00 23:50 24:00 24:50 25:00 25. CDF $\stackrel{13C-1:2:3:4+TCDF}{=}$ 13C-2:37,8-TCDF;2	Untitled Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time BR1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10.96, Description: PDI 3019.99.20.08 20.18 20.86 21.36 21.47 21.78 22.13 22.71 23.15 23.73 23.92 24.48 24.70 25.83 25.83 25.83 25.83 20.19 20.08 20.18 20.86 21.36 21.47 21.78 22.13 22.71 23.15 23.73 23.92 24.48 24.70 25.36 $22.68 22.67 23.36 23.55 23.82 24.19 24.76 24.94 25.57 25.8319.69 20.33 20.45 20.77 21.51 21.75 22.06 22.56 22.67 23.36 23.55 23.82 24.19 24.76 24.94 25.57 25.83 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 20.50 20.00 25.50 26.00 25.50 25.00 25.50 26.00 25.50$	Untitled Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time 38R1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10.96, Description: PDI-172SC-A $30 19.99.20.08 20.18 20.86 21.36 21.47 21.78 22.13 22.71 23.15 23.73 23.92 24.48 24.70 25.36 25.63 25.83 26.55 22.67 23.36 23.55 23.82 24.19 24.76 24.94 25.57 25.83 26.51 26 20.00 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 26.50 CDF \begin{array}{c} 13C-1.2.3.4-TCDF \\ 24.13 \\ 3.5995 \end{array}$	Untitled Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:52:07 Pacific Daylight Time BR1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10.96, Description: PDI-172SC-A-05-06-200 30 19.99, 20.08, 20.18 20.86 21.36 21.47 21.78 22.13 22.71 23.15 23.73 23.92 24.48 24.70 25.85 25.83 26.53 26.93 27.7 19.69 20.33, 20.45 20.77 21.51 21.75 1.98 22.26 22.56 22.67 23.36 23.55 23.82 24.19 24.76 24.94 25.57 25.83 26.51 26.71 27.01 27.70 1.21.98 22.26 22.50 23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 CDF $13C-1.2.3.4-TCDF 24.13 3.59e5$	Untitled Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:52:07 Pacific Daylight Time BR1_7, Date: 28-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10.96, Description: PDI-172SC-A-05-06-200520 $N_{19,99,20,08,20,18} = 20.86_{21,36} \frac{21.47}{21.78} \frac{21.78}{22.13} = 22.71 \frac{23.15}{23.15} = 23.73 \frac{23.92}{24.48} \frac{24.70}{24.70} = 25.63 \frac{25.83}{25.83} = 26.53 \frac{26.93}{26.93} \frac{27.11}{27.61} \frac{27.69}{27.11} \frac{27.69}{27.00} \frac{27.50}{27.00} \frac{27.50}{27.00} \frac{27.50}{27.00} \frac{27.50}{27.50} \frac{27.50}{25.50} \frac{25.99}{25.97} \frac{25.99}{25.97} \frac{25.99}{25.97} \frac{25.99}{25.97} \frac{25.99}{25.97} \frac{27.99}{27.50} \frac{27.50}{27.50} $



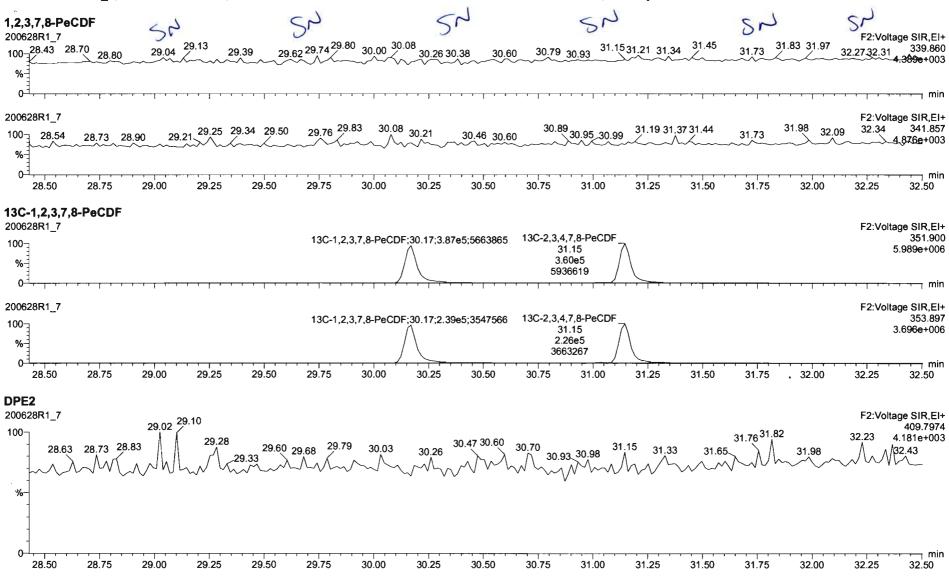
Quantify Sam Vista Analytica		MassLynx 4.1 SCN815	Page 73 of 182
Dataset:	Untitled		
Last Altered: Printed:		29, 2020 06:52:07 Pacific Daylight Time 29, 2020 06:58:35 Pacific Daylight Time	
st Func. Per	ta-Furans	Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10.96, Description: PDI-172SC-A-05-06-20052	
100 19.63 	19.72 20.00 20.36	21.56 23.19 20.78 21.44 21.87 22.38 22.55 22.94 23.42 23.73 24.18 24.31 24.73 25.02 25.21 25.53 25.59 26.11 26.65 26.98 27.26	28.17 339.860 27.61 27.71 4344e+003
200628R1_7			F1:Voltage SIR,EI+



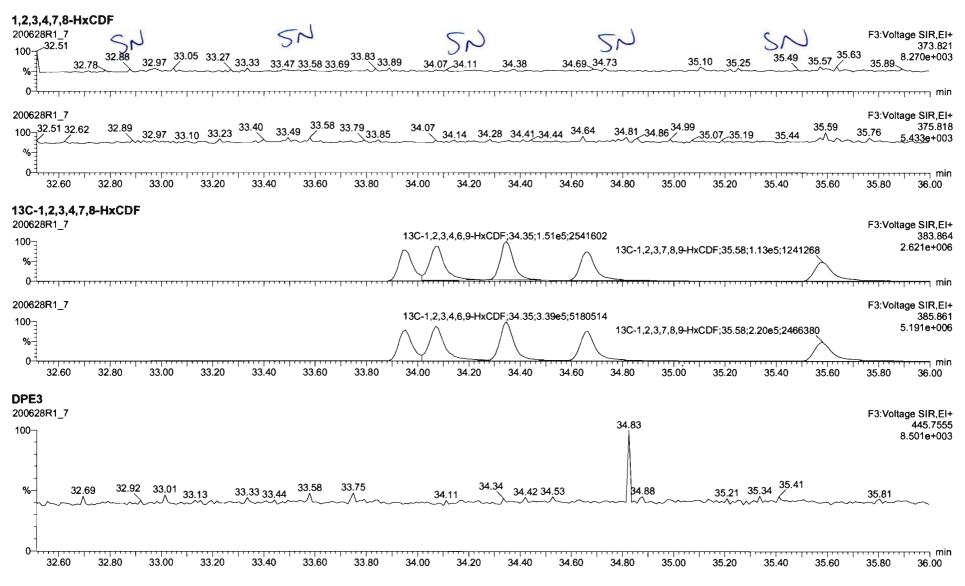
DPE6



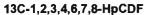
Quantify San Vista Analytic	· ·	MassLynx 4.1 SCN815	Page 74 of 182
Dataset:	Untitled		
Last Altered: Printed:		29, 2020 06:52:07 Pacific Daylight Time 29, 2020 06:58:35 Pacific Daylight Time	
Name: 20062	8R1_7, Date: 28	-Jun-2020, Time: 15:02:41, ID: 2001132-03 PDI-172SC-A-05-06-200520 10.96, Descript	tion: PDI-172SC-A-05-06-200520

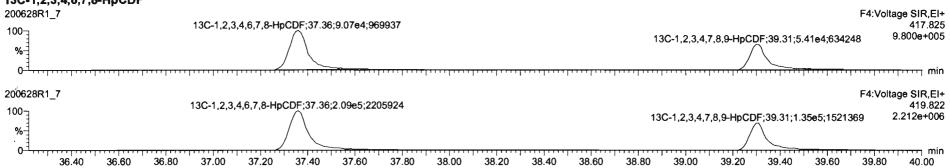


Quantify Sam Vista Analytica		Page 75 of 182
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:52:07 Pacific Daylight Time Monday, June 29, 2020 06:58:35 Pacific Daylight Time	

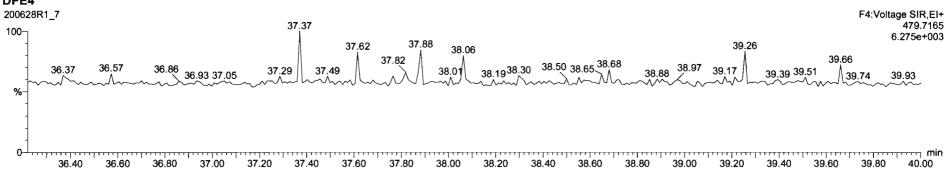


Quantify San Vista Analytica			Lynx 4.1 SCI	N815									Page 76 of 18
Dataset:	Untitled												
Last Altered: Printed:		, June 29, 2020 , June 29, 2020											
Name: 20062	8 P1 7 Da	to: 29 Jun 20		02:44 10:1	2001132-03 6		5-08-200520	10.96 Descrir	ation: PD	-17290-4	-05-06-20(1520	
		ite: 20-Jun-20	20, 11me: 15:	02.41, ID. 2	2001132-031	DI-1723C-A-0	5-00-200320	10.00, 203014		-17200-A	-05-00-200	JLU	
,2,3,4,6,7,8- 200628R1_7		36.78 36.91	37.15	52	37.63 37.72	$\langle \rangle$	²⁷ 38.33 38.36			39.21 39.3	52	1	F4:Voltage SIR,E 9.72 407.78 5.268e+00
I ,2,3,4,6,7,8-1 200628R1 7	IpCDF			52	37 73	$\langle \rangle$				20.24	52		9.72 407.78



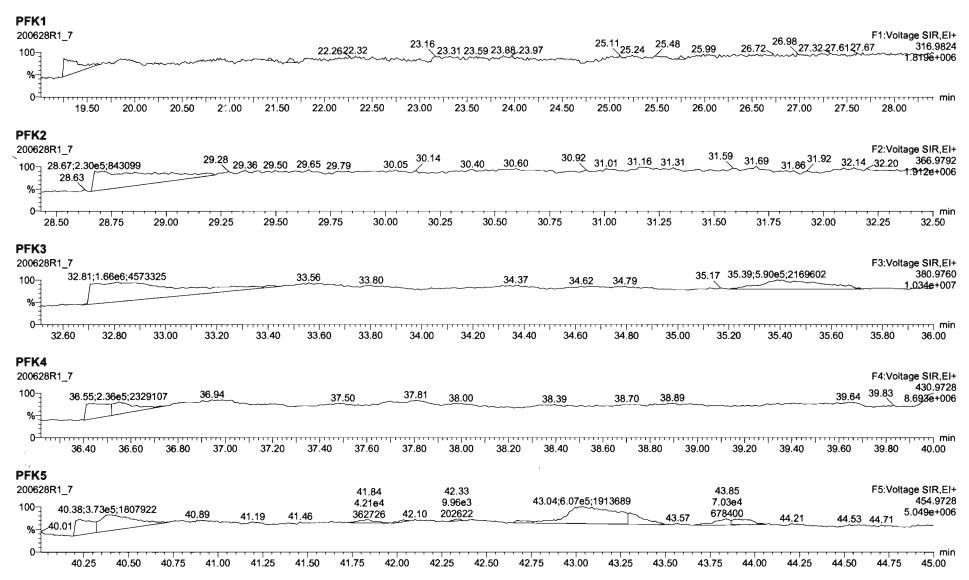






sta Analytica	n ple Report al Laboratory	MassLynx	4.1 SCN815											Page 77 of
ataset:	Untitled													
ast Altered: rinted:	Monday, June Monday, June													
	8R1_7, Date: 28	}-Jun-2020, T	Ime: 15:02:4 [•]	1, ID: 2001	132-03 PDI-1	172SC-A-0	5-06-200	520 10.9	6, Descri	otion: PD	I-172SC-/	A-05-06-20	0520	
CDF 0628R1_7 00-40.01 40	0.32 ^{40.40} 40.65	40.91 41.1	6 41.35 ^{41.62}	2 41 89 41	94 42.05 42.2	7 42.49 42 50	1278	43,04_4;	3 10 43	.55 43.68	42.00 4	4 10 44.24		5:Voltage SIR 441 14.84_5. 8 56e+
%	40.05	40.91 41.1	0 41.30	41.00	And	42.00					43.90 4	- 10 - Annt		
0			. []			- , - , - , - , - , - , - , - , - , - , -			· · · · · · ·	1		, [
00628R1_7 00_40.10_40 %-	0.33 40.48 40.65	40.93 41.08	11.17 41.32	41.73 41.944	11.97 42.07 42.2 XM	2 42.53 42.6	⁹ 42.92	42.98 43.1	15 43.30 43.	³⁸ 43.63	43.82 44.0	2 44.20 44.		5:Voltage SIR 4.63 443 6.322e+
o ¹ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			· · · · · · · · · · · · · · · · · · ·				40.75	42.00			75 440			44.75 45.6
40.25	5 40.50 40.7	75 41.00 4	41.25 41.50	41.75	42.00 42.25	42.50	42.75	43.00	43.25 4	3.50 43	75 44.0	0 44.25	44.50	44.75 45.0
BC-OCDF 0628R1_7						_							F	5:Voltage SIR
00 %			130	-OCDF;41.94	4;2.30e5;229890)7								453.7 2.306e+
0-1	, , , , , , , , , , , , L				11111111			*****		· [· · · · · ·		· · - · · · · · · · · ·	••••••	
00628R1_7			130	C-OCDF;41.94	4;2.67e5;264281	1							F	5:Voltage SIR 455 2.650e+
0	5 40.50 40.7	75 41.00	41.25 41.50	41.75	42.00 42.25	42.50	42.75	43.00	43.25 4	3.50 43	75 44.0	0 44.25	44.50	44.75 45.0
PE5 0628R1_7													F	5:Voltage SIR
00_	40.45 40.49	40.86 41.03 41	1.10 ^{41.36} 41.9	58 41.80	42.05 42.13	42.47 42	42 2.66	93 43.10	43.33	43.54	75 43.84	4.02 44.24		513.6 4.77 4.571e+
40;	L W WWW					-	- vw - V			v~·····	~~~~~v~v \	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-														
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~														

Quantify Sam Vista Analytica		Page 78 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 Analytic	nple Summary Report MassLynx 4.1 SCN815 al Laboratory	• .	• .	· . · . · .	•••	Page 1 of 2
Dataset:	U:\VG12.PRO\Results\200626R3\200623R3-15.qld				· .	
Last Altered: Printed:	Tuesday, June 30, 2020 3:07:19 PM Pacific Daylight Time Tuesday, June 30, 2020 3:07:32 PM Pacific Daylight Time				GPB	06/30/2020

CTO7/02/2020

## 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

CORRECT STRUCT	# 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	0.888	10.040	26.501		1.001				0.252	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.040	31.457		1.001				0.395	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.040	34.835		1.000				0.327	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.040	34.931		1.000				0.333	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.040	35.230		1.000				0.402	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.864	10.040	38.778		1.000				0.748	
7. 6. 6.	7 OCDD	5.21e3	0.86	NO	0.914	10.040	41.758	41.77	1.000	1.000	6.5088		0.647	6.51
8	8 2,3,7,8-TCDF			NO	0.751	10.040	25.612		1.001				0.241	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.040	30.190		1.001				0.251	· ·
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.040	31.176		1.001				0.213	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.040	33.952		1.000				0.151	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.040	34.079		1.000				0.130	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.040	34.690		1.001				0.147	
14 1 1 1 1 1 1 1 1	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.040	35.581		1.000				0.241	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.040	37.397		1.001				0.640	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.040	39.309		1.000				0.785	
17	17 OCDF			NO	0.806	10.040	41.940		1.000				0.614	
18	18 13C-2,3,7,8-TCDD	5.59e5	0.78	NO	1.16	10.040	26.491	26.47	1.026	1.026	203.55	102	0.432	
19	19 13C-1,2,3,7,8-PeCDD	3.86e5	0.63	NO	0.849	10.040	31.674	31.43	1.227	1.218	191.20	96.0	1.06	
20	20 13C-1,2,3,4,7,8-HxCDD	2.58e5	1.26	NO	0.779	10.040	34.830	34.83	1.014	1.014	180.69	90.7	1.29	
21	21 13C-1,2,3,6,7,8-HxCDD	3.38e5	1.27	NO	1.02	10.040	34.944	34.93	1.017	1.017	181.60	91.2	0.988	
22	22 13C-1,2,3,7,8,9-HxCDD	3.04e5	1.28	NO	0.903	10.040	35.215	35.22	1.025	1.025	183.93	92.3	1,11	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.11e5	1.09	NO	0.689	10.040	38.739	38.77	1.128	1.129	167.38	84.0	0.890	
24	24 13C-OCDD	3.49e5	0.90	NO	0.652	10.040	41.761	41.76	1.216	1.216	291.98	73.3	1.71	
25	25 13C-2,3,7,8-TCDF	6.48e5	0.77	NO	1.06	10.040	25.534	25.59	0.989	0.991	176.80	88.8	0.450	
26	26 13C-1,2,3,7,8-PeCDF	5.60e5	1.59	NO	0.838	10.040	30.058	30.17	1.165	1.169	193.09	96.9	1.11	
27	27 13C-2,3,4,7,8-PeCDF	5.58e5	1.56	NO	0.817	10.040	31.011	31.15	1.202	1.207	197.58	99.2	1.13	
28	28 13C-1,2,3,4,7,8-HxCDF	3.25e5	0.50	NO	1.01	10.040	33.961	33.95	0.989	0.989	176.39	88.6	1.42	
29	29 13C-1,2,3,6,7,8-HxCDF	3.93e5	0.50	NO	1.17	10.040	34.085	34.07	0.992	0.992	183.69	92.2	1.23	
30 1 1	30 13C-2,3,4,6,7,8-HxCDF	3.33e5	0.50	NO	1.02	10.040	34.659	34.65	1.009	1.009	177.94	89.3	1.40	
31	31 13C-1,2,3,7,8,9-HxCDF	2.78e5	0.50	NO	0.860	10.040	35.558	35.58	1.035	1.036	176.53	88.6	1.66	

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

## Page 2 of 2

### Dataset: U:\VG12.PRO\Results\200626R3\200623R3-15.qld

Last Altered:	Tuesday, June 30, 2020 3:07:19 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 3:07:32 PM Pacific Daylight Time

10212-00	# 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	2.34e5	0.44	NO	0.774	10.040	37.307	37.36	1.086	1.088	165.29	83.0	1.13	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.51e5	0.42	NO	0.521	10.040	39.336	39.31	1.145	1.145	158.75	79.7	1.67	
34	34 13C-OCDF	3.95e5	0.89	NO	0.746	10.040	41.933	41.94	1.221	1.221	289.04	72.6	0.707	
35	35 37CI-2,3,7,8-TCDD	2.07e5			1.04	10.040	26.522	26.50	1.028	1.027	84.108	106	0.213	
36	36 13C-1,2,3,4-TCDD	4.73e5	0.79	NO	1.00	10.040	25.890	25.81	1.000	1.000	199.19	100	0.500	
37	37 13C-1,2,3,4-TCDF	6.89e5	0.79	NO	1.00	10.040	24.360	24.13	1.000	1.000	199.19	100	0.476	
38	38 13C-1,2,3,4,6,9-HxCDF	3.65e5	0.50	NO	1.00	10.040	34.420	34.35	1.000	1.000	199.19	100	1.43	
39	39 Total Tetra-Dioxins				0.888	10.040	24.620		0.000				0.132	
40	40 Total Penta-Dioxins				0.908	10.040	29.960		0.000				0.210	
41. IL Contra	41 Total Hexa-Dioxins				0.892	10.040	33.635		0.000		0.47045		0.368	0.470
42	42 Total Hepta-Dioxins				0.864	10.040	37.640		0.000		1.2047		0.748	1.20
43	43 Total Tetra-Furans				0.751	10.040	23.610		0.000				0.103	
44	44 1st Func. Penta-Furans				0.893	10.040	27.580		0.000				0.0654	
45	45 Total Penta-Furans				0.893	10.040	29.275		0.000				0.136	
46	46 Total Hexa-Furans				0.934	10.040	33.555		0.000				0.0703	
47	47 Total Hepta-Furans	_			0.873	10.040	37.835		0.000			_	0.405	

#### Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-15.qld

Last Altered:	Tuesday, June 30, 2020 3:07:19 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 3:07:32 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: 200626R3_15, Date: 27-Jun-2020, Time: 08:26:05, ID: 2001132-04 PDI-172SC-A-06-07-200520 11.72, Description: PDI-172SC-A-06-07-200520

#### Tetra-Dioxins

Name	RT	m1 Height m2 Height m1 R	sp m2 Resp	RA n/y	Resp	Conc.	EMPC DL
1 Martin Street Street							

#### Penta-Dioxins

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

#### Hexa-Dioxins

Name in the second second	RT	m1 Height m2	2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hexa-Dioxins	33.33	7.078e3 5	.166e3	3.705e2	2.617e2	1.42	NO	6.322e2	0.47045	0.47045	0.368

#### Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxins	37.76		7.228e3					1.104e3			

#### Tetra-Furans

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

#### Penta-Furans function 1

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

#### Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-15.qld

Last Altered: Tuesday, June 30, 2020 3:07:19 PM Pacific Daylight Time Printed: Tuesday, June 30, 2020 3:07:32 PM Pacific Daylight Time

Name: 200626R3_15, Date: 27-Jun-2020, Time: 08:26:05, ID: 2001132-04 PDI-172SC-A-06-07-200520 11.72, Description: PDI-172SC-A-06-07-200520

#### Penta-Furans

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

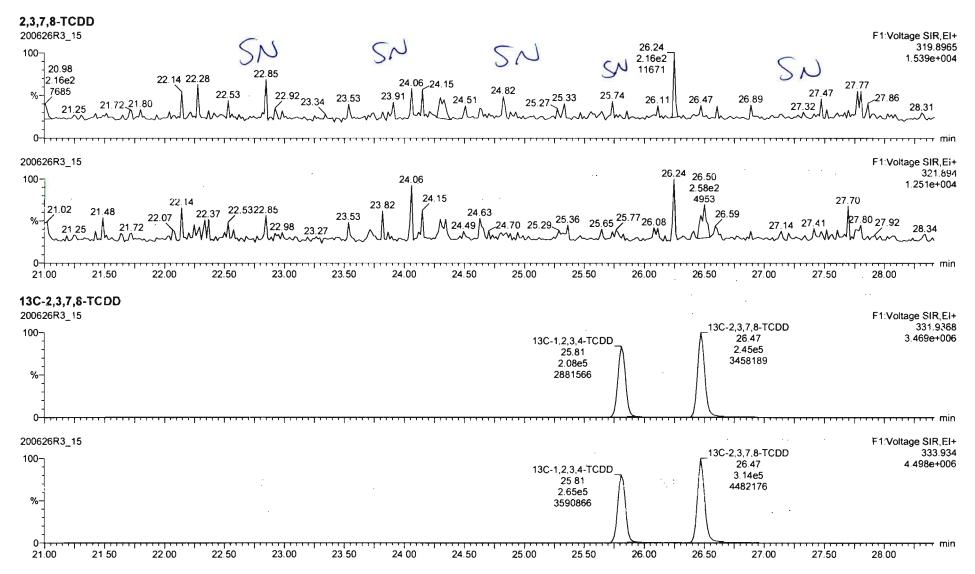
#### Hexa-Furans

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

#### Hepta-Furans

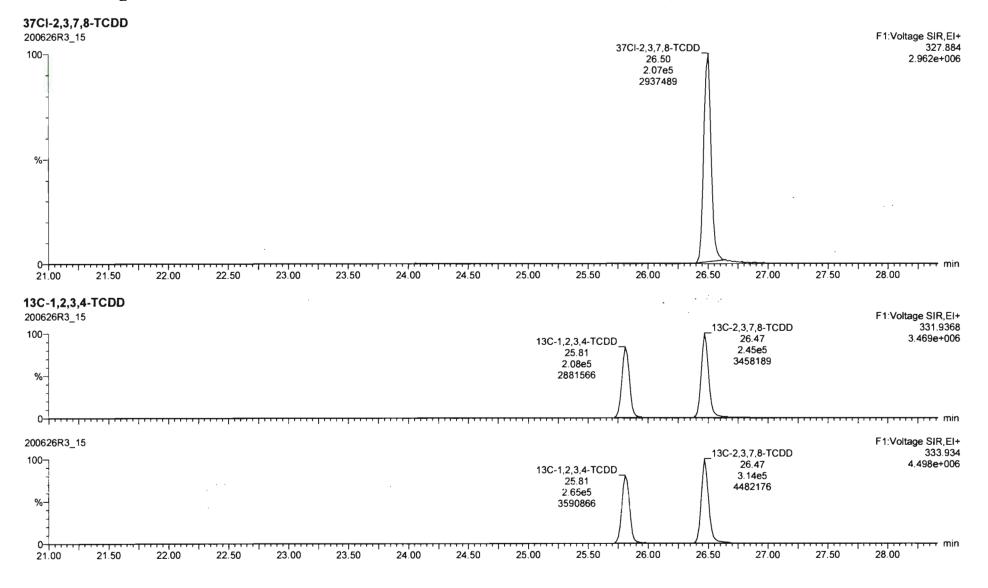
Name RT m1 Height m2 Height m1 Resp m2 Resp RA n/y Resp Conc. EMPC DL

le Report MassLynx 4.1 SCN815 Laboratory	Page 144 of 169
Untitled	
Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	
ι ε	Laboratory Untitled Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time



Quantify Sample Report Vista Analytical Laboratory		MassLynx 4.1 SCN815	Page 145 of 169
Dataset:	Untitled		
Last Altered: Printed:		28, 2020 9:00:45 AM Pacific Daylight Time 28, 2020 9:00:57 AM Pacific Daylight Time	

### Name: 200626R3_15, Date: 27-Jun-2020, Time: 08:26:05, ID: 2001132-04 PDI-172SC-A-06-07-200520 11.72, Description: PDI-172SC-A-06-07-200520

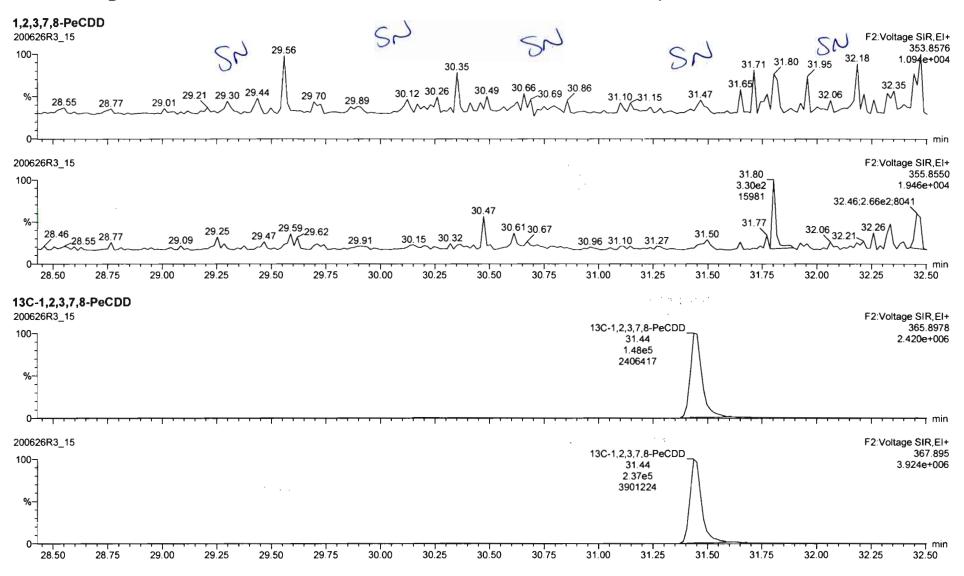


#### Work Order 2001132

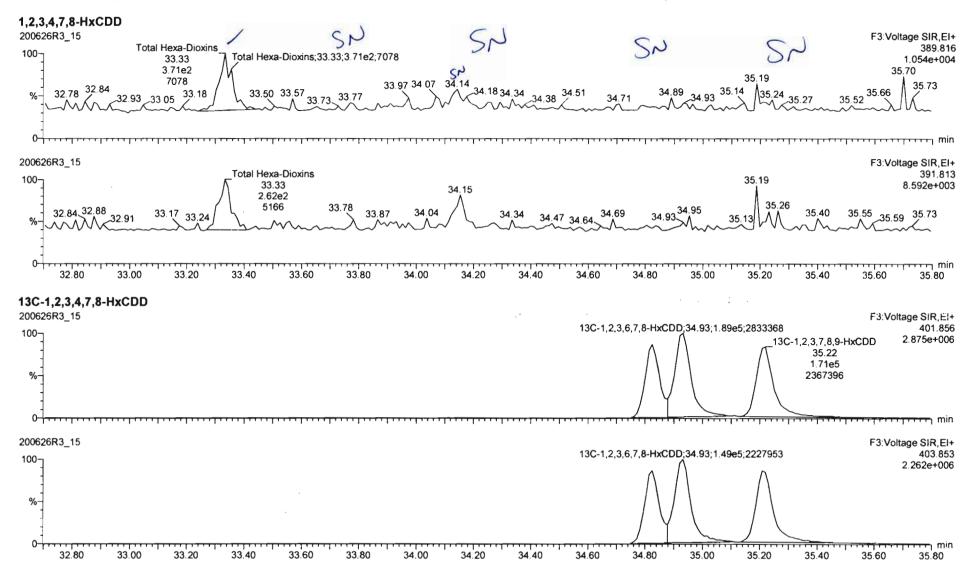
## Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

Dataset: Untitled

Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



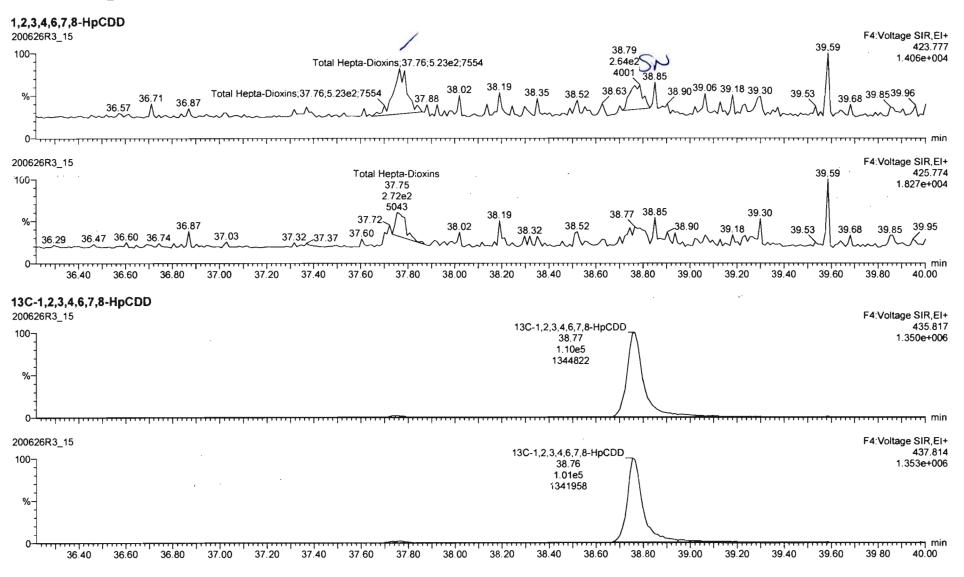
Quantify Sample Report Vista Analytical Laboratory		MassLynx 4.1 SCN815	Page 147 of 169
Dataset:	Untitled		
Last Altered: Printed:		8, 2020 9:00:45 AM Pacific Daylight Time 8, 2020 9:00:57 AM Pacific Daylight Time	

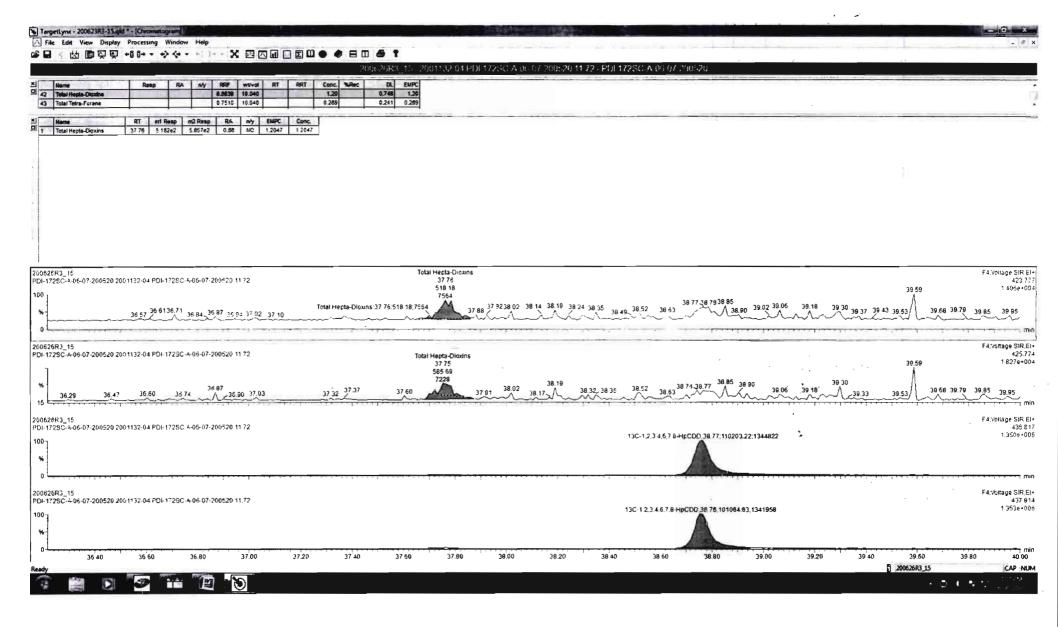


## Quantify Sample ReportMassLynx 4.1 SCN815Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Printed: Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time

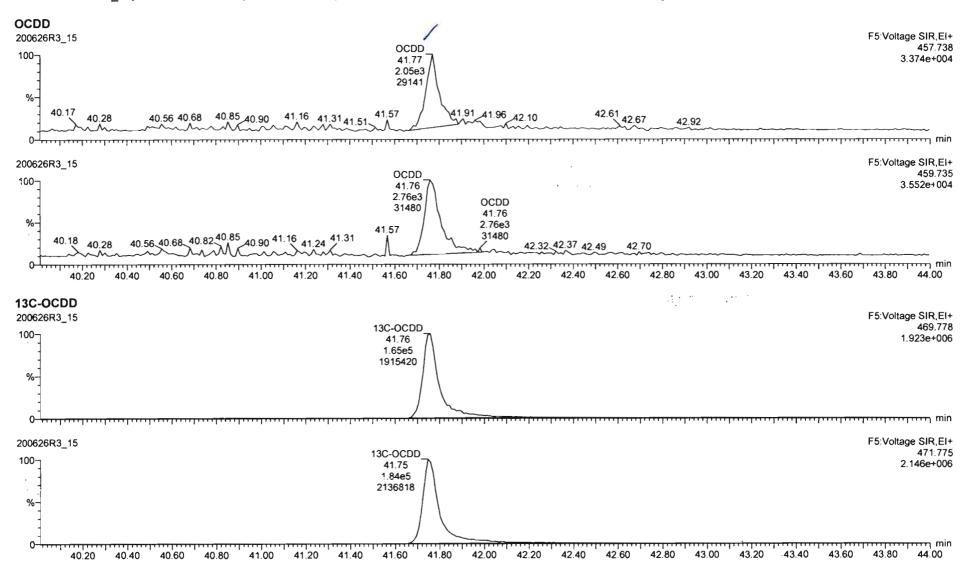


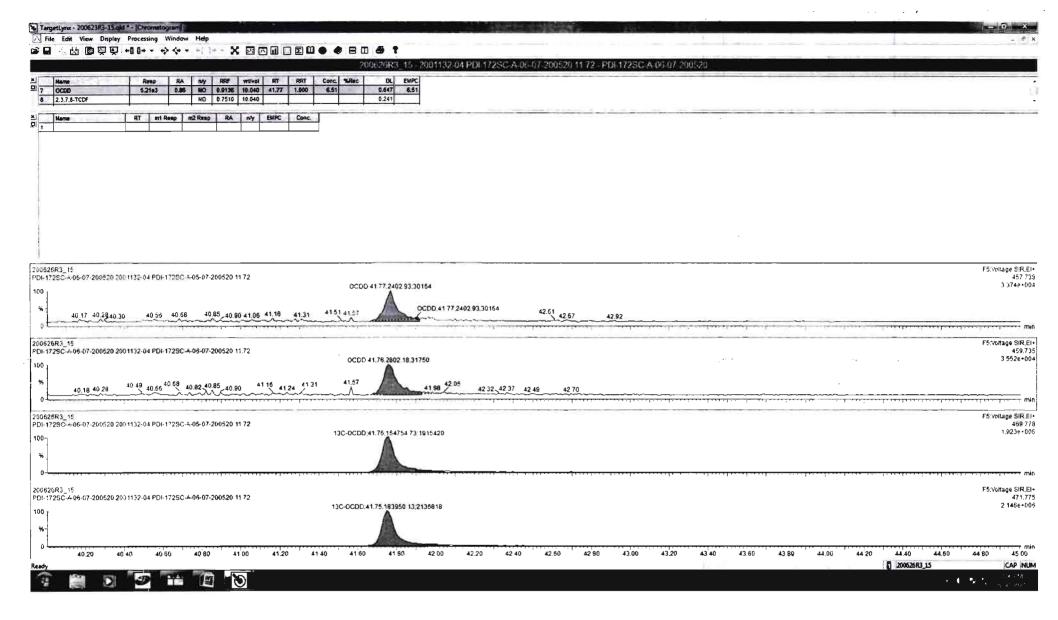


## Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory MassLynx 4.1 SCN815

Dataset: Untitled

Last Altered:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time
Printed:	Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time

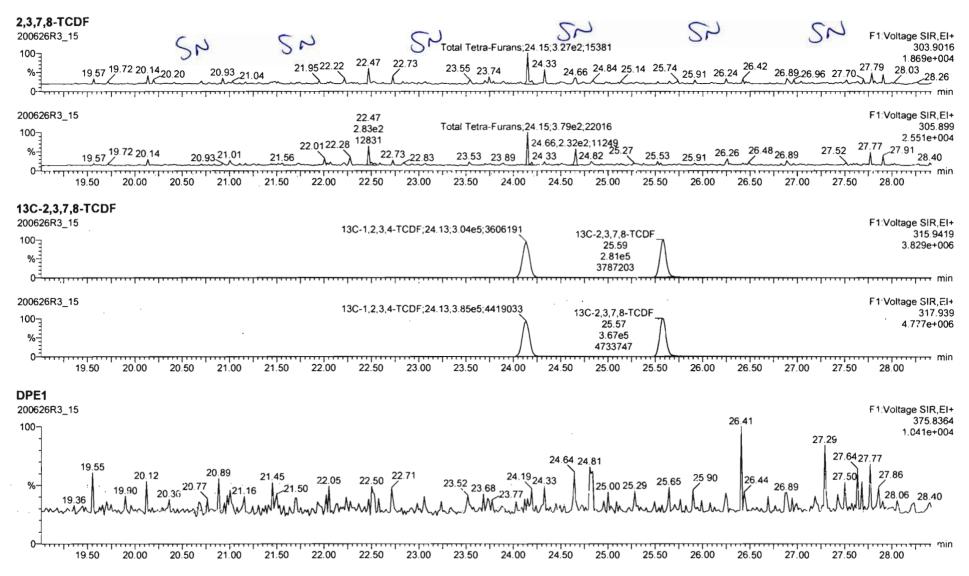




## Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory MassLynx 4.1 SCN815

Dataset: Untitled

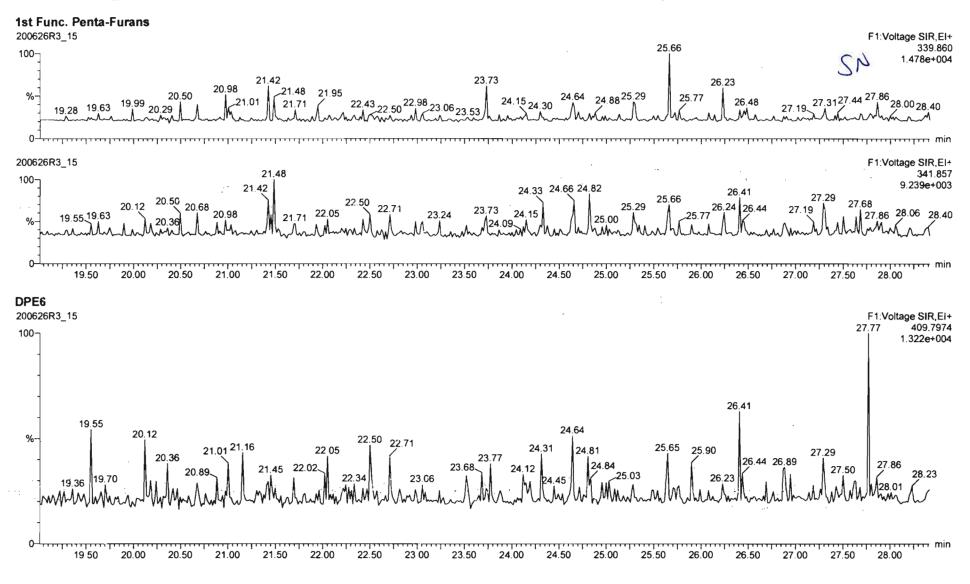
Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



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

Dataset: Untitled

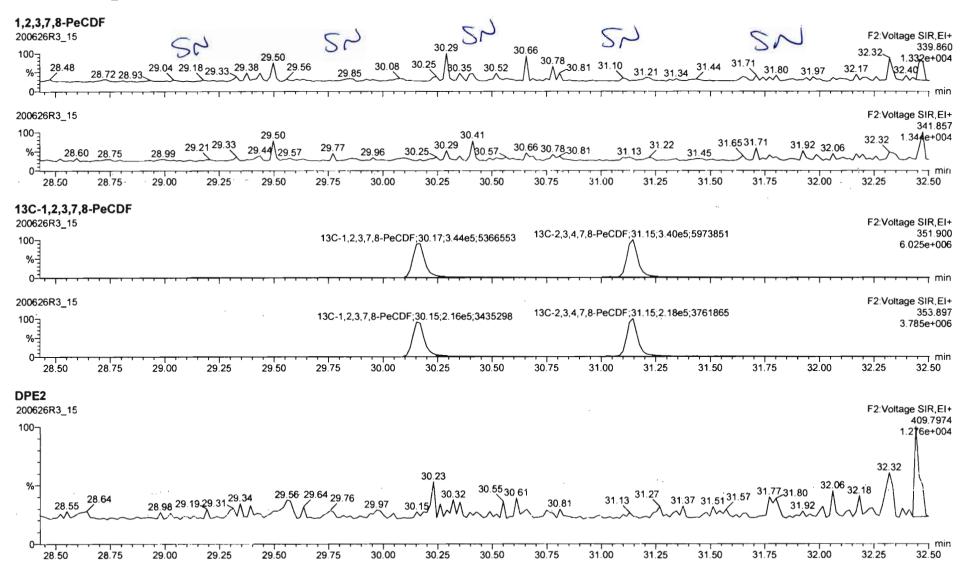
Last Altered:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time
Printed:	Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



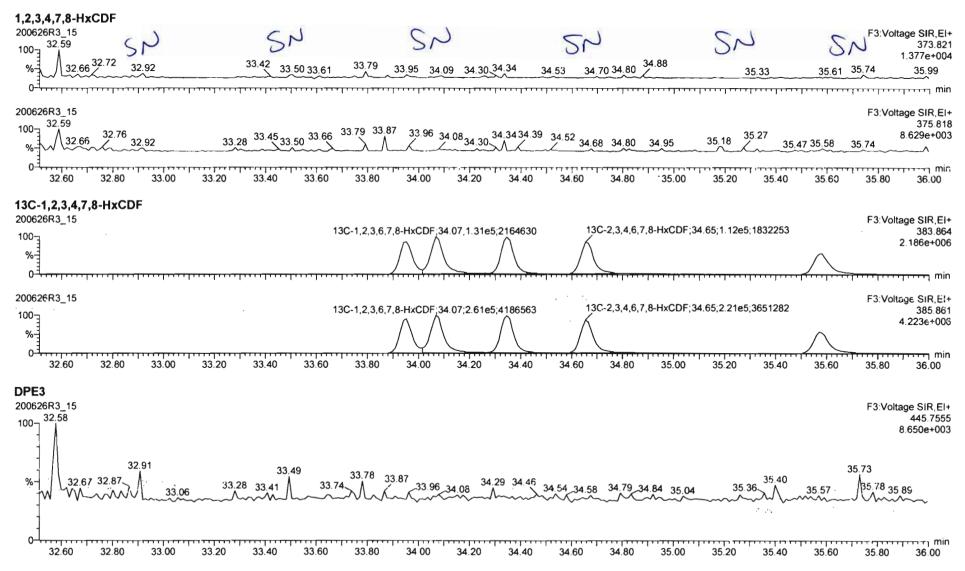
Quantify Sample Report	MassLynx 4.1 SCN815
Vista Analytical Laboratory	

Dataset: Untitled

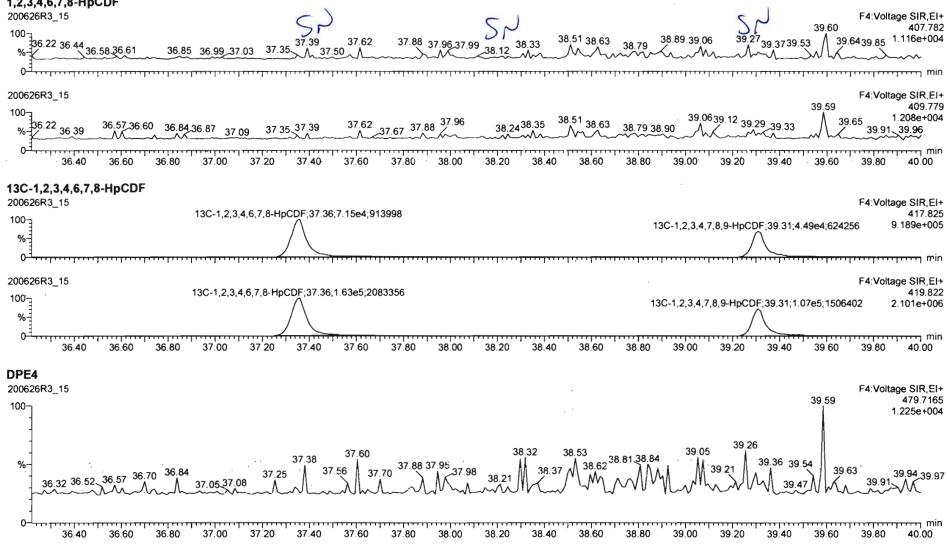
Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



Quantify Sample Report Vista Analytical Laboratory		MassLynx 4.1 SCN815	Page 153 of 169
Dataset:	Untitled		
Last Altered: Printed:		3, 2020 9:00:45 AM Pacific Daylight Time 3, 2020 9:00:57 AM Pacific Daylight Time	
Name: 20062	6R3_15, Date: 27	-Jun-2020, Time: 08:26:05, ID: 2001132-04 PDI-172SC-A-06-07-200520 11.72, De	escription: PDI-172SC-A-06-07-200520



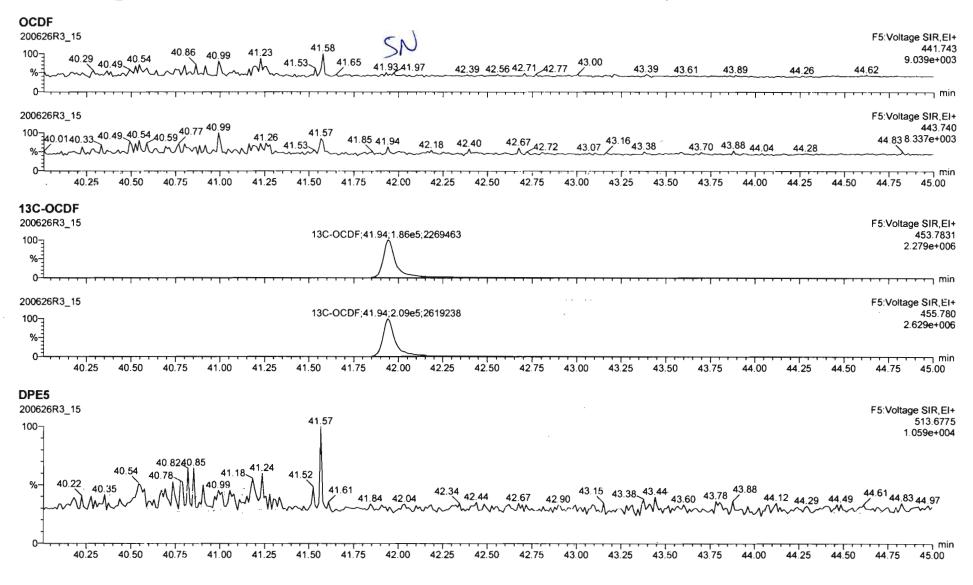
Quantify San Vista Analytic	mple Report MassLynx 4.1 SCN815 cal Laboratory	Page 154 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	
Namo: 20062	26R3_15, Date: 27-Jun-2020, Time: 08:26:05, ID: 2001132-04 PDI-172SC-A-06-07-200520 11.72, Description: PDI-172SC	A 06 07 200520
Mame: 20062	20R3_13, Date: 27-Jun-2020, Time: 00.20.03, 1D. 2001132-04 PDI-1725C-A-06-07-200520 11.72, Description: PDI-1725C	-A-00-07-200320
1234678-	-HnCDE	



Quantify Sample Report	MassLynx 4.1 SCN815
Vista Analytical Laboratory	

Dataset: Untitled

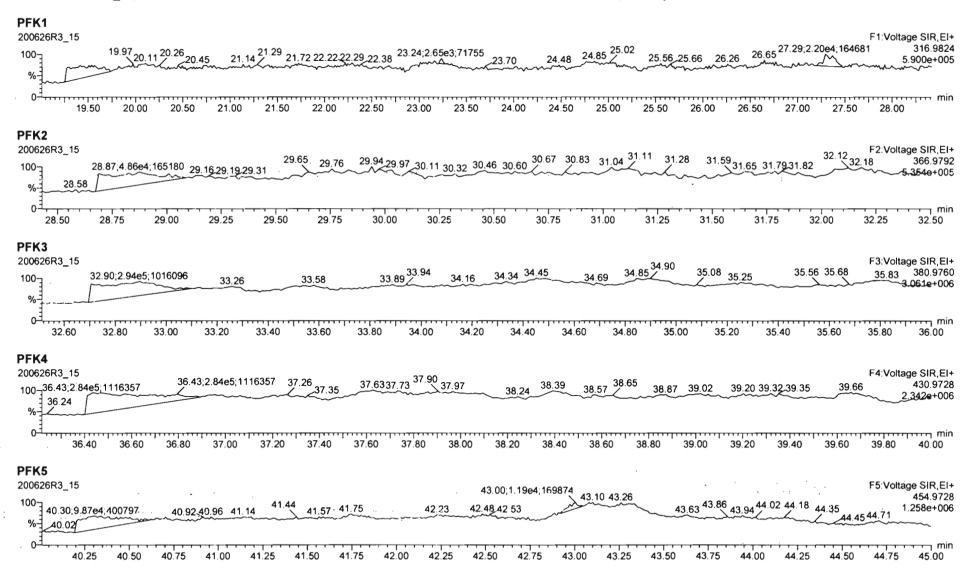
Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



Quantify Sample Report	MassLynx 4.1 SCN815	
Vista Analytical Laboratory		

Dataset: Untitled

Last Altered: Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Printed: Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time



Quantify Sam Vista Analytica	nple Summary Report al Laboratory	MassLynx 4.1 SCN815	· · · ·	
Dataset:	U:\VG12.PRO\Results\20	0626R3\200623R3-16.qld		
Last Altered: Printed:		3:13:19 PM Pacific Daylight Time 3:14:01 PM Pacific Daylight Time		

<u>GEB 06/30/2020</u> CI 07/02/2020

#### 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: 200626R3_16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.49, Description: PDI-172SC-A-07-08-200520

的现在在表达	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1.000	1 2,3,7,8-TCDD			NO	0.888	10.094	26.501		1.001				0.197	
2	2 1,2,3,7.8-PeCDD			NO	0.908	10.094	31.473		1.001				0.172	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.094	34.835		1.000				0.160	
	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.094	34.932		1.000				0.155	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.094	35.230		1.000				0.145	
6	6 1,2,3,4,6,7,8-HpCDD	6.35e2	1.06	NO	0.864	10.094	38.767	38.76	1.000	1.000	0.79868		0.409	0.799
7	7 OCDD	5.44e3	0.96	NO	0.914	10.094	41.759	41.76	1.000	1.000	7.5968		0.358	7.60
8 maintanta - Mainta	8 2,3,7,8-TCDF			NO	0.751	10.094	25.612		1.001				0.151	
9 CITA TAS	9 1,2,3,7,8-PeCDF			NO	0.893	10.094	30.190		1.001				0.0848	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.094	31.177		1.001				0.0775	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.094	33.952		1.000				0.0848	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.094	34.090		1.000				0.0745	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.094	34.700		1.001				0.0716	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.094	35.581		1.000				0.126	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.094	37.397		1.001				0.189	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.094	39.309		1.000				0.249	
17	17 OCDF			NO	0.806	10.094	41.940		1.000				0.222	
18	18 13C-2,3,7,8-TCDD	2.37e5	0.75	NO	1.16	10.094	26.491	26.47	1.026	1.026	80.310	40.5	0.259	
19	19 13C-1,2,3,7,8-PeCDD	2.21e5	0.61	NO	0.849	10.094	31.674	31.45	1.227	1.219	101.86	51.4	0.431	
20	20 13C-1,2,3,4,7,8-HxCDD	1.67e5	1.26	NO	0.779	10.094	34.840	34.83	1.014	1.014	111.13	56.1	0.759	
21	21 13C-1,2,3,6,7,8-HxCDD	2.42e5	1.22	NO	1.02	10.094	34.954	34.93	1.017	1.017	123.71	62.4	0.581	
22	22 13C-1,2,3,7,8,9-HxCDD	2.53e5	1.08	NO	0.903	10.094	35.225	35.22	1.025	1.025	145.62	73.5	0.655	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.82e5	1.07	NO	0.689	10.094	38.750	38.76	1.128	1.128	137.52	69.4	0.658	
24	24 13C-OCDD	3.11e5	0.88	NO	0.652	10.094	41.773	41.76	1.216	1.215	247.33	62.4	0.666	
25	25 13C-2,3,7,8-TCDF	2.74e5	0.74	NO	1.06	10.094	25.534	25.59	0.989	0.991	69.941	35.3	0.342	
26	26 13C-1,2,3,7,8-PeCDF	2.83e5	1.70	NO	0.838	10.094	30.058	30.17	1.165	1.169	91. <b>434</b>	46.1	0.817	
27	27 13C-2,3,4,7,8-PeCDF	2.70e5	1.58	NO	0.817	10.094	31.011	31.15	1.202	1.207	89.487	45.2	0.839	
28	28 13C-1,2,3,4,7,8-HxCDF	2.05e5	0.49	NO	1.01	1 <b>0.094</b>	33.971	33.95	0.989	0.988	105.80	53.4	1.11	
29	29 13C-1,2,3,6,7,8-HxCDF	2.64e5	0.51	NO	1.17	10.094	34.095	34.08	0.992	0.992	117.67	59.4	0.961	
30	30 13C-2,3,4,6,7,8-HxCDF	2.56e5	0.49	NO	1.02	10.094	34.669	34.67	1.009	1.009	130.23	65.7	1.10	
31	31 13C-1,2,3,7,8,9-HxCDF	1.84e5	0.47	NO	0.860	10.094	35.569	35.58	1.035	1.036	111.23	56.1	1.31	

·· .

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

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-16.qld

Last Altered:	Tuesday, June 30, 2020 3:13:19 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 3:14:01 PM Pacific Daylight Time

Name: 200626R3_16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.49, Description: PDI-172SC-A-07-08-200520

Contraction of the	# 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	2.05e5	0.42	NO	0.774	10.094	37.317	37.36	1.086	1.087	137.49	69.4	0.576	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.17e5	0.42	NO	0.521	10.094	39.348	39.31	1.145	1.144	116.39	58.7	0.856	
34	34 13C-OCDF	3.52e5	0.87	NO	0.746	10.094	41.945	41.94	1.221	1.221	244.94	61.8	0.672	
35	35 37CI-2,3,7,8-TCDD	9.55e4			1.04	10.094	26.522	26.50	1.028	1.027	36.029	45.5	0.0558	
36	36 13C-1,2,3,4-TCDD	5.06e5	0.79	NO	1.00	10.094	25.890	25.81	1.000	1.000	198.13	100	0.299	
37	37 13C-1,2,3,4-TCDF	7.32e5	0.79	NO	1.00	10.094	24.360	24.13	1.000	1.000	198.13	100	0.362	
38	38 13C-1,2,3,4,6,9-HxCDF	3.81e5	0.53	NO	1.00	10.094	34.420	34.36	1.000	1.000	198.13	100	1.12	
39	39 Total Tetra-Dioxins				0.888	10.094	24.620		0.000				0.113	
40	40 Total Penta-Dioxins				0.908	10.094	29.960		0.000				0.0766	
41	41 Total Hexa-Dioxins				0.892	10.0 <del>94</del>	33.635		0.000		0.65795		0.159	0.658
42	42 Total Hepta-Dioxins				0.864	10.094	37.640		0.000		2.5206		0.409	2.52
43	43 Total Tetra-Furans				0.751	10.094	23.610		0.000				0.0700	
44	44 1st Func. Penta-Furans				0.893	10.094	27.580		0.000				0.0509	
45	45 Total Penta-Furans				0.893	10.0 <del>94</del>	29.275		0.000				0.0336	
46	46 Total Hexa-Furans				0.934	10.094	33.555		0.000				0.0429	
47 10 10 1	47 Total Hepta-Furans				0.873	10.094	37.835		0.000				0.122	

Work Order 2001132

## Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

U:\VG12.PRO\Results\200626R3\200623R3-16.qld Dataset:

Last Altered:	Tuesday, June 30, 2020 3:13:19 PM Pacific Daylight Time
Printed:	Tuesday, June 30, 2020 3:14:01 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: 200626R3_16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.49, Description: PDI-172SC-A-07-08-200520

#### **Tetra-Dioxins**

Name	RT	m1 Height m2 Height	m1 Resp m2 Resp	RA n/y	Resp	Conc.	EMPC
The state of							

#### **Penta-Dioxins**

Name RT	m1 Height m2 Height	m1 Resp m2 Resp	RA n/y	Resp	Conc.	EMPC	DL
1 m to service the							

#### **Hexa-Dioxins**

Name	RT	m1 Height m2 Height	m1 Resp m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Dioxins	33.34	6.060e3 5.804e3	3.578e2 2.960e2	1.21	NO	6.537e2	0.65795	0.65795	0.159

#### **Hepta-Dioxins**

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxin	is 37.76	7.901e3	1.047e4	7.020e2	6.680e2	1.05	NO	1.370e3	1.7219	1.7219	0.409
2 1,2,3,4,6,7,8-HpCl	DD 38.76	6.121e3	5.359e3	3.264e2	3.090e2	1.06	NO	6.354e2	0.79868	0.79868	0.409

### **Tetra-Furans**

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

#### Penta-Furans function 1

Name	RT m1 Height m	2 Heightm1 Resp	m2 Resp RA n/y	Resp Conc.	EMPC	DL
1 3 3 3 3 4						

# Quantify Totals Report MassLynx 4.1 SCN815 Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-16.qld

Last Altered: Tuesday, June 30, 2020 3:13:19 PM Pacific Daylight Time Printed: Tuesday, June 30, 2020 3:14:01 PM Pacific Daylight Time

Name: 200626R3_16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.49, Description: PDI-172SC-A-07-08-200520

### Penta-Furans

Name	THE PARTY OF	RT	m1 Height m2 Height	m1 Resp	m2 Resp	RA n/y	Resp	Conc.	EMPC D	L
1 Contractor										

#### Hexa-Furans

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

### **Hepta-Furans**

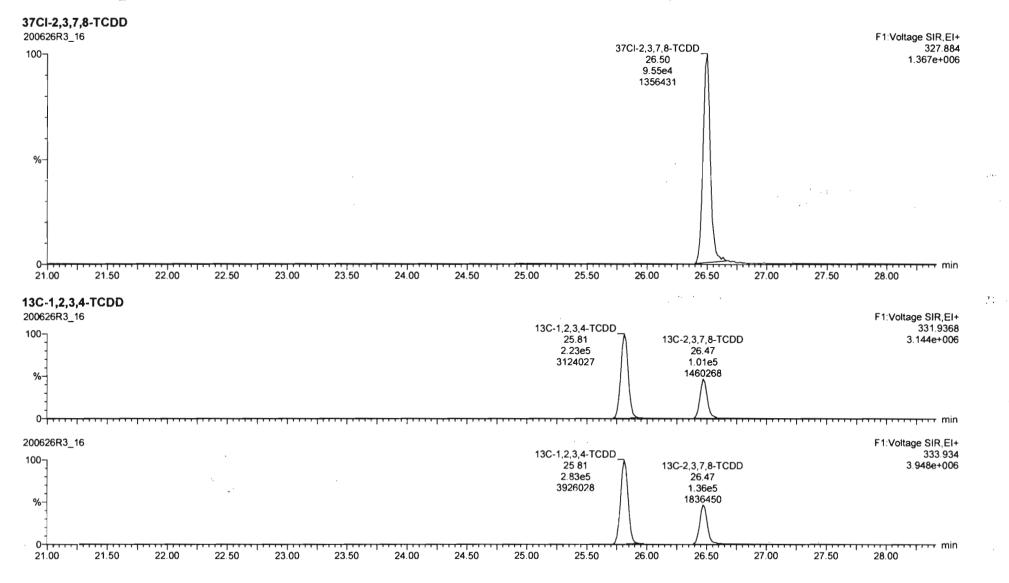
Name RT	m1 Height m2 Height	m1 Resp m2 Resp	RA n/y Resp	Conc	EMPC DL

iota / indigitod	n <b>ple Report</b> al Laboratory	MassLyn	x 4.1 SCN8 ⁻	15									Page 157 of 10
ataset:	Untitled												
ast Altered: rinted:	Sunday, June 2 Sunday, June 2												
ame: 20062	6R3_16, Date: 27	'-Jun-2020,	Time: 09:12	2:20, ID: 2	001132-05	5 PDI-172SC	-A-07-08	-200520 13.4	49, Descri	ption: PDI-1	72SC-A-0	17-08-20052	20
, <b>3,7,8-TCDD</b> 00626R3_16	)	cal			SN			c l		5al		52	
21.08	21.51 ^{21.72} 22.11	22.6 22.49 22.49 22.49	23.01	23.73	24.1: 24.07 WWW	3 24.33 M 24.40 2	4.82_24.91	25.45 ^{25.}	71 25.93	26.26 26.48 ²⁰	5.77 26.84	27.31 27.64	F1:Voltage SIR,E 319.89 5.005e+0 28.06
%-		Υγ		v ve				,					1
0 <del>- </del> 00626R3_16		• • • • • • • • • • • • • • • • • •				.1		. [ ]			1		F1:Voltage SiR.E
- 00 21.25	21 74 22.08	22.44 22 6	51 23.22	23.37 23.51		24.31 1 24.51 24	<b>70</b> 24.90	25.32		26.50 26.21 A 26.5	53	27.56 27.49	321.8 5.518e+0 7.59 28.20
Inni	mimm	mmm	mm	whithin	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	J'Lmm	how	minn	Mr.	m h	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	minika	1.59 20.20
%~~		Ŵ											w have a find the
%	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
21.00 2 3 <b>C-2,3,7,8-T</b> (	21.50 22.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	23.00	23.50	24.00	····				****	27.00	27.50	28.00
	21.50 22.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	23.00	23.50	24.00	····	25.00		26.00	26.50 3C-2,3,7,8-TCE 26.47 1.01e5		27.50	F1:Voltage SIR,E 331.934 3.144e+00
21.00 2 3 <b>C-2,3,7,8-T</b> ( 00626R3_16	21.50 22.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	23.00	23.50	24.00	····	25.00	25.50 C-1,2,3,4-TCDE 25.81 2.23e5	26.00	26.50 3C-2,3,7,8-TCE 26.47		27.50	28.00 F1:Voltage SIR,E 331.93
21.00 2 3 <b>C-2,3,7,8-T</b> ( 00626R3_16 0 %-	21.50 22.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	23.00	23.50	24.00	····	25.00	25.50 C-1,2,3,4-TCDE 25.81 2.23e5	26.00	26.50 3C-2,3,7,8-TCE 26.47 1.01e5		 27.50	28.00 F1:Voltage SIR, F 331.93
21.00 2 3 <b>C-2,3,7,8-T</b> ( 00626R3_16	21.50 22.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	 23.00	23.50	24.00	····	25.00	25.50 C-1,2,3,4-TCDE 25.81 2.23e5 3124027		26.50 3C-2,3,7,8-TCE 26.47 1.01e5 1460268	)D		28.00 F1:Voltage SIR,E 331.93 3.144e+0 F1:Voltage SIR,E 333.9
21.00 2 3 <b>C-2,3,7,8-T</b> 00626R3_16 %- 0- 	21.50 22.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		23.50	24.00	····	25.00	25.50 25.81 2.23e5 3124027		26.50 3C-2,3,7,8-TCE 26.47 1.01e5 1460268 3C-2,3,7,8-TCE 26.47 1.36e5	)D		28.00 F1:Voltage SIR,E 331.93
21.00 2 3 <b>C-2,3,7,8-T</b> 00626R3_16 %- 0- 	21.50 22.00	22.50	 23.00	23.50	24.00	····	25.00	25.50 25.81 2.23e5 3124027 25.81 2.23e5 2.23e5 2.23e5 2.23e5 2.23e5 2.23e5 2.23e5 2.23e5		26.50 3C-2, 3, 7, 8-TCE 26.47 1.01e5 1460268 	)D		28.00 F1:Voltage SIR,E 331.93 3.144e+0 F1:Voltage SIR,E 333.9

. . .

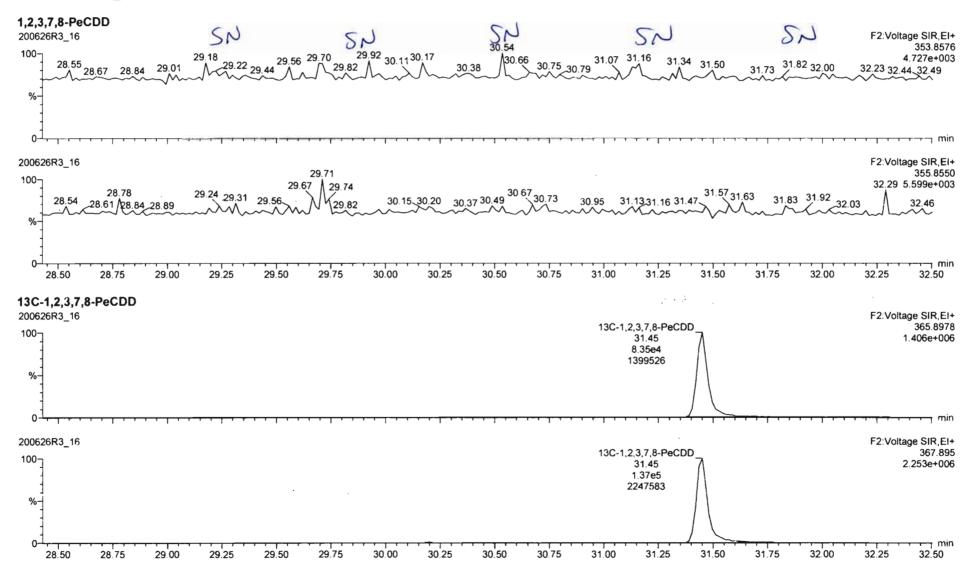
Quantify Sam Vista Analytica		Page 158 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	

# Name: 200626R3 16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.49, Description: PDI-172SC-A-07-08-200520

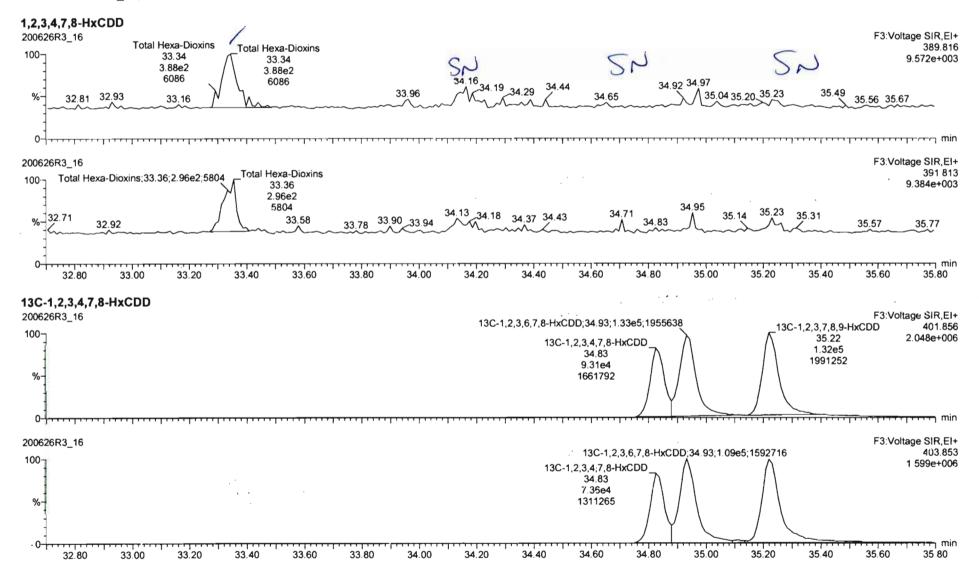


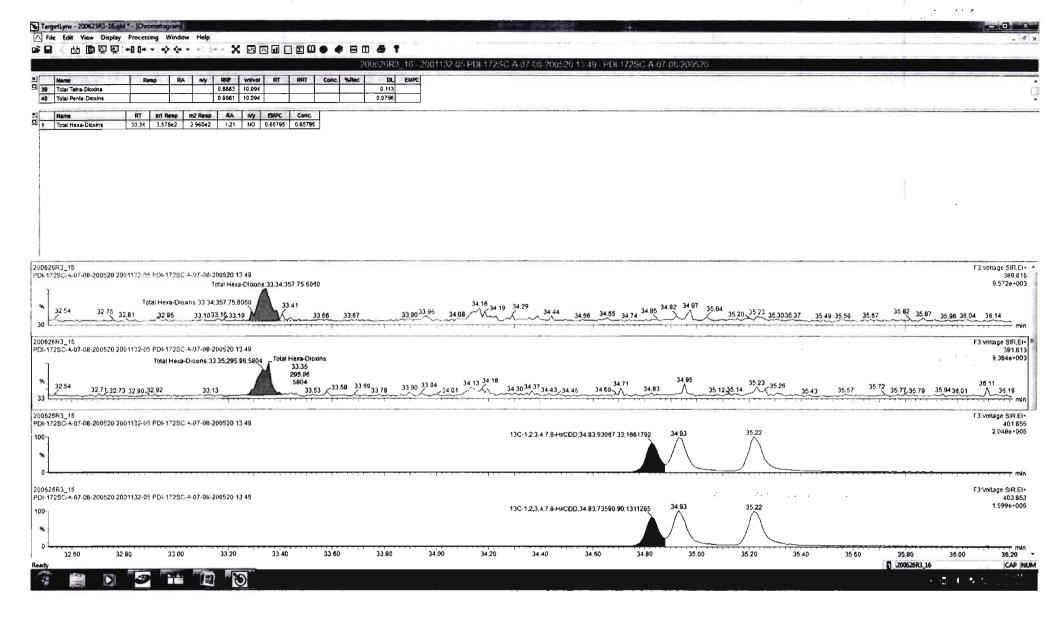
#### Work Order 2001132

Quantify Sam Vista Analytica		Page 159 of 10
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	



Quantify San Vista Analytica		Page 160 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	

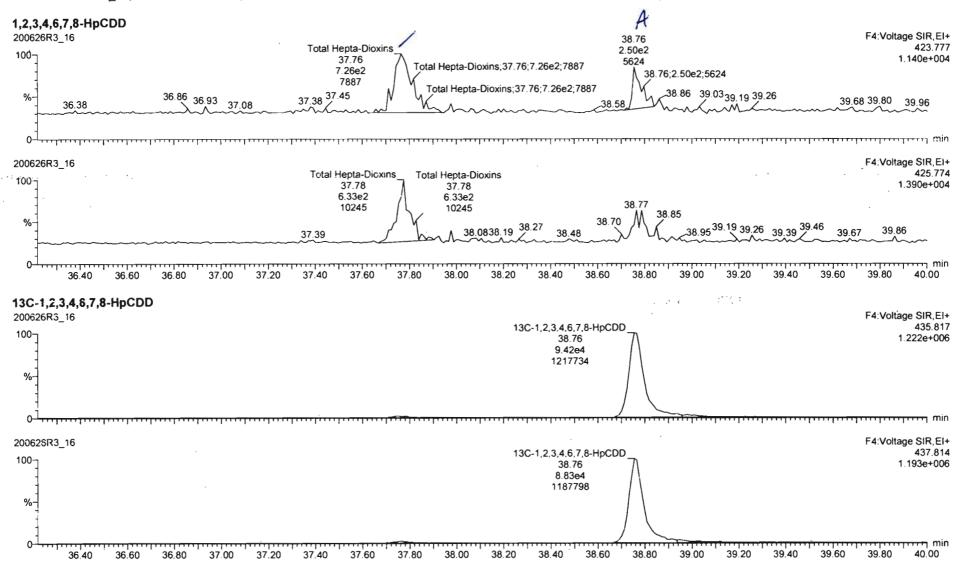


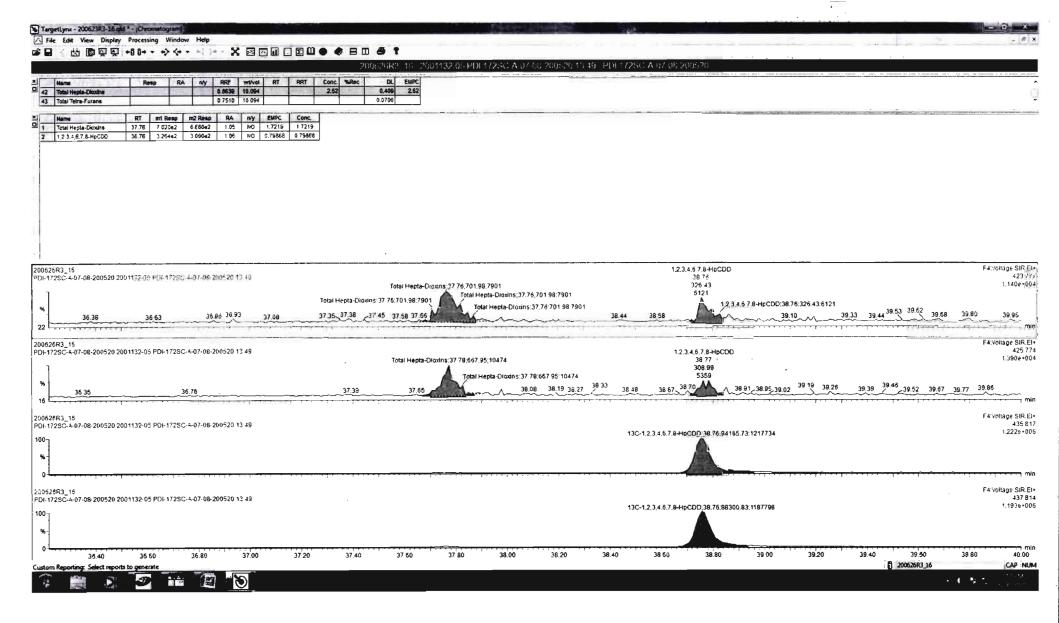


# Quantify Sample ReportMassLynx 4.1 SCN815Vista Analytical Laboratory

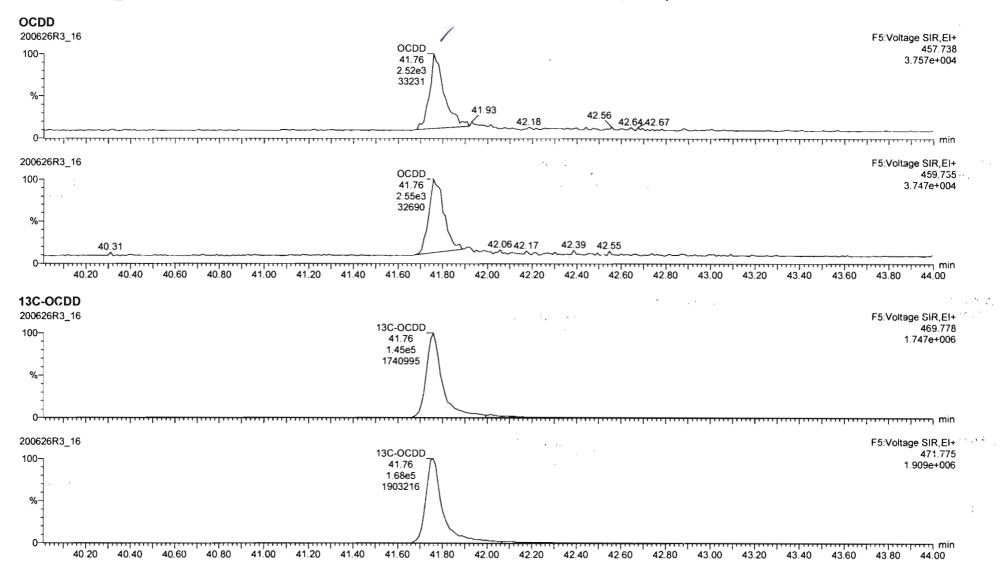
Dataset: Untitled

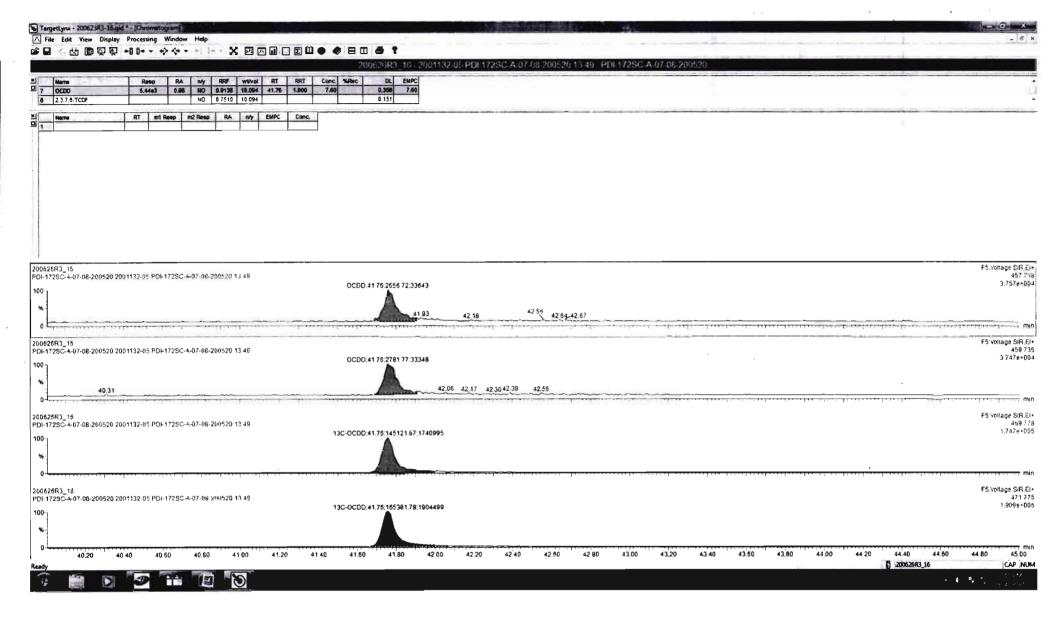
Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time





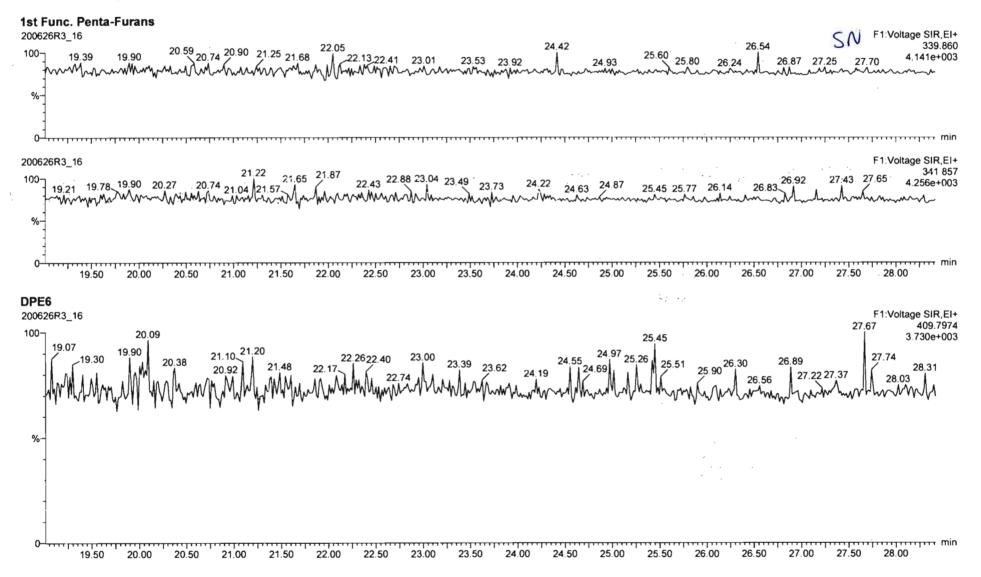
Quantify San Vista Analytica	mple Report     MassLynx 4.1 SCN815       cal Laboratory     Image: Constraint of the second	Page 162 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	





a <b>ple Report</b> al Laboratory	-	x 4.1 SCN815					Page 163 of 1
Untitled							
6R3_16, Dat	e: 27-Jun-2020,	Time: 09:12:20, ID:	2001132-05 PDI-172SC	-A-07-08-200520 13.4	9, Description: PDI-1	72SC-A-07-08-200520	
	SN	SN	52	SN	SN	SN	F1:Voltage SIR,
19.69 19.87 		21.59 21.84 22.312	2.44 22.80 23.30 23.39 23.6	8 24.15 24.63 ^{24.8}	4 25.24 25.53 26.00 26.24	26.45 26.74 27.14 27.43 ²	000.00
		.1				····	F1:Voltage SIR,
19.9720.24	20.44 20.60 21.02	21.45 21.86 22.16	22.40 22.86 23.1523.42 23.1	59 23.98 24.43 24.66 25	5.21 25.4425.71 25.87 26.	30 26.66 27.04 27.50	27.91 305.0 5.138e+0
50 20.00	20.50 21.00	21.50 22.00	22.50 23.00 23.50	24.00 24.50 25.0	00 25.50 26.00	26.50 27 00 27.50	28.00
CDF					13C-2,3,7,8-TCDF		F1:Voltage SIR,
			24.13 3.22e	5 / ·	25.59 1.17e5 1558915		315.9 3.767e+
		· · · · · · · · · · · · · · · · · · ·		·····	130-2 3.7 8-TODE		F1:Voltage SIR,
1			24.13 4.10e	5 A	25.59 1.57e5 2021057		317.9 4.751e+(
50 20.00	20.50 21.00	21.50 22.00	22.50 23.00 23.50	24.00 24.50 25.0	0 25.50 26.00	26.50 27.00 27.50	28.00
							F1:Voltage SIR,
20.15 ² 19.69 34	0.32 20.38 20.57 21.07	1		7624.03 24.28 24.72	25.20 25.56 25.74 26.02 26	26.57 54 26.99 27.44	375.8 4.779e+( 27.94 28.16 28.16 28.16 28.16 28.16
VMAMM-A ON	г 4.14 4.14 W Л ЦИ	MANAN . AD MAAN	MM	a a half and have	an a manana mina Mana	Mass. Markey Construction	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	Untitled Sunday, Ju Sunday, Ju 5R3_16, Dat 19.69 19.87 72 19.9720.24 60 20.00 CDF	Untitled Sunday, June 28, 2020 9:00 Sunday, June 28, 2020 9:00 5R3_16, Date: 27-Jun-2020, 19.69 ^{19.87} 20.71.21.0121.08 20.71.21.0121.08 20.71.21.0121.08 20.00 20.50 21.00 CDF	Laboratory Untitled Sunday, June 28, 2020 9:00:45 AM Pacific Dayli Sunday, June 28, 2020 9:00:57 AM Pacific Dayli <b>5R3_16, Date:</b> 27-Jun-2020, Time: 09:12:20, ID: $3683_{16}, Date: 27-Jun-2020, Time: 09:12:20, ID:$ $369_{19.87}$ 20.71.21.0121.08 21.59 21.84 22.3122 $19.9720_{24}$ 20.44 20.60 21.02 21.45 21.86 22.16 10 20.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.00 21.50 22.00 20.50 21.50 22.00 20.50 21.50 22.00 20.50 21.50 22.00 20.50 21.50 22.00 20.50 21.50 22.00 20.50 21.50 22.00 20.50 21.50 22.00 20.50 21.50 22.00 20.50 21.50 22.00 20.50 21.50 22.00 20.50 21.50 22.00 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50 20.50	Untitled Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time SR3_16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC $3873_{19.69} 19.87$ 20.71.21.01.21.08 21.59 21.84 22.3122.44 22.80.23.30.23.39.23.6 19.69 19.87 20.24 20.44 20.60 21.02 21.45 21.86 22.16 22.40 22.86 23.1523.42 23.4 10 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 CDF $13C-1.2.3.4$ 24.13 3.226 374064 471530 13C-1.2.3.4 24.13 4.106 471530 13C-1.2.3.4 24.13 4.106 471530 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50	Laboratory Untitled Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time SR3_16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.4 N $N$ $N$ $N$ $N1969$ $19.87$ 20.71,21.0121.08 $21.59$ 21.84 $22.3122.44$ 22.80 23.30 23.39 23.68 24.15 24.63 24.8 19.69 $19.87$ 20.71,21.0121.08 $21.59$ 21.84 $22.3122.44$ 22.80 23.30 23.39 23.68 24.15 24.63 24.65 25 19.9720 $24$ 20.44 $20.60$ 21.02 21.45 21.86 22.16 $22.40$ 22.86 23.1523.42 $23.59$ 23.98 24.43 $24.66 2510 2000 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.0 CDF 13C-1.2.3.4-TCDF 24.13 4.10e5 715300 13C-1.2.3.4-TCDF 24.13 4.10e5 715300 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.0 25.0 25.0 25.0 25.0 25.0 25.0 2$	Laboratory Unitiled Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time SR3_16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.49, Description: PDI-17 SR3_16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.49, Description: PDI-17 SR3_16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.49, Description: PDI-17 SR3_10, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.49, Description: PDI-17 SR3_16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.49, Description: PDI-17 19:69 19:87 20:71-21:0121:08 21:59 21:84 22:3122.44 22:80:23:30:23:39:23:68 24:15 24:63 24:64 20:012:000 20:50 21:00 21:59 21:84 22:31:22:44 22:80:23:02:33:92:368 24:15 24:65 25:12 25:44:25:71 25:87 26 10: 20:00 20:50 21:00 21:59 22:00 22:50 23:00 23:59 23:09 24:00 24:50 25:00 25:50 26:00 CDF 13:C-12:3:4-TCDF 24:13 3:22:65 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 4:15:59 15:59915 3:22:00 22:50 21:00 21:50 22:00 22:50 23:00 23:50 24:00 24:50 25:00 25:50 26:00 22:00 20:50 21:00 21:50 22:00 22:50 23:00 23:50 24:00 24:50 25:00 25:50 26:00 CDF 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:13 4:10:5 13:C-12:3:4-TCDF 24:10 21:00 21:00 21:00 21:00 21:00 21:00 22:00 22:50 23:00 23:50 24:00 24:50 25:00 25:50 26:00 13:C-12:3:4-TCDF 13:C-12:3:4-TCDF 13:C-12:3:4-TCDF 13:C-12:3:4-TCDF 24:10 13:C-12:3:4-TCDF	Laboratory         Untitled         Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time         Strain 2010         Strain 2010 <t< td=""></t<>

Quantify San Vista Analytica		Page 164 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	
	2622 16 Date: 27 Jun 2020 Time: 09:12:20 JD: 2001132-05 PDI-1726C-A-07-08-200520 13 49 Des	

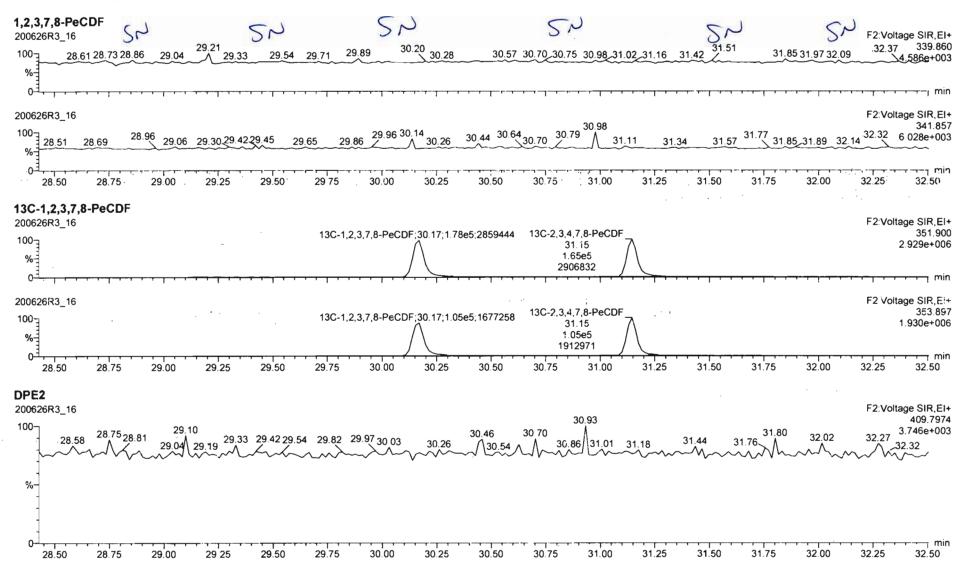


# Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

Page 165 of 169

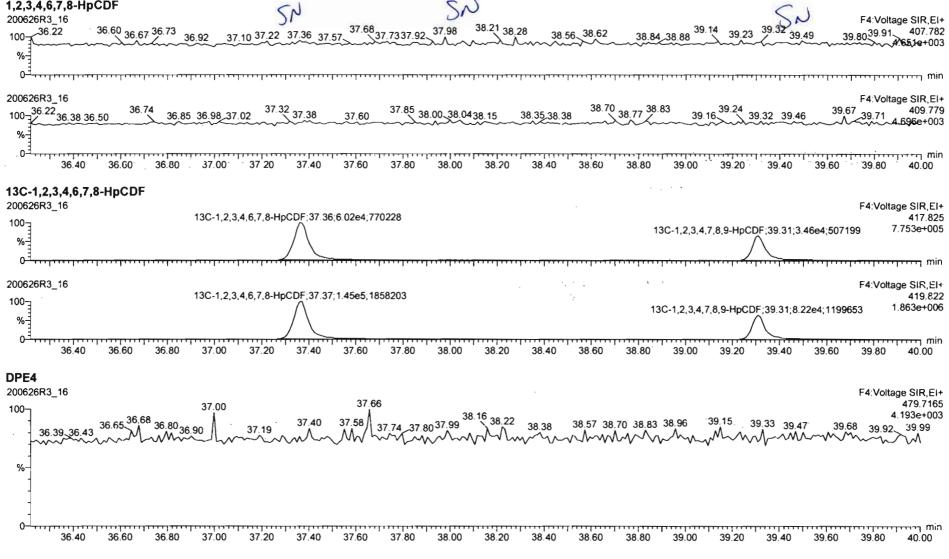
Dataset: Untitled

Last Altered:Sunday, June 28, 2020 9:00:45 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time

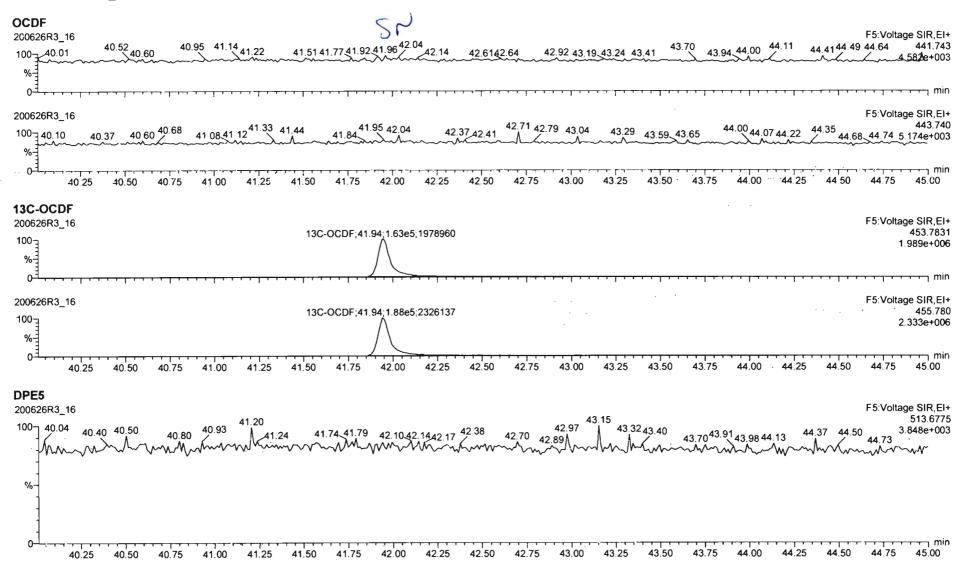


Quantify Sam Vista Analytica			Mass	Lynx 4	I.1 SCN	1815											Page	166 o
Dataset:	Untitle	d																
Last Altered: Printed:							Daylight Ti Daylight Ti								•			
Name: 20062	6R3_16,	Date: 2	7-Jun-2	020, Ti	me: 09:	:12:20,	, ID: 2001	132-05	PDI-1728	SC-A-07-08-	200520	13.49, De	scription:	PDI-172	SC-A-07	-08-20052	0	
1,2,3,4,7,8-Hx	CDF							C						_	-	_	~ 1 -	
200626R3_16 100		SN			SM			SN		34		SN		2	7	35.54 35.60	F3:Vol 35.85	37
%	7 32.82	32.92	33.12	33.33	33.48	33.62		33.96	34.13	34.37 34.	~	34.76	34.94 35.05	5 35.21	35.36		\	6.513
04,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						••••	• [ • • • • • • • • • • • • • • • • • •				1		.1				·1···	•••••
200626R3_16 10032.51	32.78	32.94	33,14	33.30	33 45	33 60	33.79 _{33 8}	₆ 33.95	34 15	34.27 34.39 3	34.3	70		.04 35 11	35.38 35	44 35.59	F3:Vol 35.84	Itage S 3
%-		-^				33.00	~	-L-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~									~4 <del>:32</del> 9
0 +++++++++++++++++++++++++++++++++++++		· · · · · · · · · · · · · · · · · · ·			, <u>11, 11, 11, 11</u>				·		3		25.00		<del>، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، </del>		· · · · · · · · · · · · · · · · · · ·	÷ +
32.60	32.80	33,00	33.2	0 3	3.40	33.60	33.80	34.00	34.20	0 34.40	34.60	34.80	35.00	35.20	35.40	35.60	35.80	. 3
<b>13C-1,2,3,4,7</b> , 200626R3_16	,8-HxCD	F															F3:Vol	
100-3								13C-1	.2.3.4.6.9-	HxCDF;34.36;1	.32e5;227	8183						3 2.295
%-								$\wedge$	$\wedge$			$\sum$		13C-	1,2,3,7,8,9	-HxCDF;35.5	8;5.88e4;83	
0 ⁻³					.1						1						F3:Vol	+208 S
100 ₇	·		. '					13C-1	2,3,4,6,9-H	hxCDF;34.35;2	50e5;450	7902	•• .				P 3. VQI	4.587
%								$\wedge$	$\wedge$		(	$\backslash$		13C-1	1,2,3,7,8,9	HxCDF;35.5	8;1.25e5;16	
0 ⁻¹	32.80	33.00	33.2	0 3	3.40	33.60	33.80	34.00	34.20	0 34.40	34.60	34.80	35.00	35.20	35.40	35.60	35.80	
DPE3																		
200626R3_16																	F3:Vol	
100 32.59 ^{32.}	65 32 9	4 32.97 3	3.13 33.	23 33	.39 33.5	52 33.62	33.82 33.73 M.	33,95	34.20	34.35.34.38 3	4.56 34.6	54 34.78	34.86 35.06	35.16	35.40	35.51 35 57	35.79 35.73	3.561
	~~~~~	~~~~				$\sim \sim$	~~~ W	$\sim \sim \sim \sim$	<u>/////////////////////////////////////</u>		$\sim$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				And	~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~
%-																		
-																		
-																		
-																		

Quantify Sam Vista Analytica		MassLynx 4.1 SCN815		Page 167 of 169
Dataset:	Untitled			
Last Altered: Printed:		28, 2020 9:00:45 AM Pacific Daylight 28, 2020 9:00:57 AM Pacific Daylight		
Name: 20062	6R3_16, Date: 3	27-Jun-2020, Time: 09:12:20, ID: 200	1132-05 PDI-172SC-A-07-08-200520 13.49, Descri	iption: PDI-172SC-A-07-08-200520
1,2,3,4,6,7,8-1	HpCDF	(A)	SN	



Quantify San Vista Analytica	• •	Page 168 of 169
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	



	nple Report MassLynx 4.1 SCN815 Page 169 o al Laboratory	of 16
ataset:	Untitled	
ast Altered: rinted:	Sunday, June 28, 2020 9:00:45 AM Pacific Daylight Time Sunday, June 28, 2020 9:00:57 AM Pacific Daylight Time	
ame: 200626	6R3_16, Date: 27-Jun-2020, Time: 09:12:20, ID: 2001132-05 PDI-172SC-A-07-08-200520 13.49, Description: PDI-172SC-A-07-08-200520	
FK1 00626R3_16		1D E
00-7 · · · · · · · · · · · · · · · · · · ·	F1:Voltage SII 19.69 19.90 20.4220.48 21.3021.36 21.62 22.76 23.06 23.19 23.68 24.07 24.33 24.78 24.99 25.39 25.48 26.17 26.33 26.80 26.89 27.68 316 22.28 22.76 23.06 23.19 23.68 24.07 24.33 24.78 24.99 25.39 25.48 26.17 26.33 26.80 26.89 27.68 316 51516	6.982
%-{		- m ⁱ
19.5		
FK2 00626R3_16	20.05 21.11 01.00 F2: Voltage SI	IR.E
28.72;4.	1.69e4;230845 29.1229.15 29.31 29.62 29.85 30.03 30.14 30.18 30.41 30.7330.76 31.04 31.10 31.30 31.59 31.71 31.83 32 06 32.09 32.31 366	5.979
28.43 %		
0-1,		т mi 2.50
FK3		
00626R3_16	F3:Voltage SI 35.02;1.39e5;849598 380	IR,EI).976
	32 92;3 12e5;1050722 33.49 ^{33.75;5.98e4;538137} 34.02.34.05 34.35 34.49 34.86 35.49 35.66 35.70 3.420e	
%-]/		-
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	5.00
FK4		
00626R3_16 00-3).972
%	36.90 37.24 37.46 37.51 37.85 37.99 38.37 39.35 39.63 39.63 39.63 39.67 2.368e	e+00 -
0		n mi
36.40	10, 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	00.00
FK5		
		1.972
%_40.01	53433 40.65 40.69 40.87 41.01 41.32 41.50 41.62 41.74 42.08 42.15 42.27 42.62 42.72 652490 247962 43.89 269826 44.76 44.87 1.396e	5700 -
V 1		

Work Order 2001132

...

CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID:	5720062372-1	_		Reviewed By:	C7 06/24/2020	_	
End Calibration ID:	NA	_			initiais & Date		
		Beg.	End			Beg.	End
lon abundance within	QC limits?		NA	Mass resolution	2	~	~
Concentrations within	criteria?		Ŧ	□ 5k □ 6-8K 1614 1699	□ 8K		
TCDD/TCDF Valleys <2	25%	\checkmark	ф	Intergrated pea	ks display correctly?	~	NA
First and last eluters j	present?		ф	GC Break <20%	NA		
Retention Times withi	n criteria?	/		<u>8280 CS1 En</u>	d Standard:		,
Verification Std. name	od correctly?		ф	- Ratios within within 12 hours	ilmits, S/N <2.5:1, CS1		NA
(ST-Year-Month-Da	ıy-VG iD)						
Forms signed and date	ed?		F	Comments:			
Correct ICAL referenc	ed?	DB	DB				
<u>Run Log:</u>							
- Correct instrument	ilsted?	~	NA				
- Sampies within 12	hour clock?	Ø.	Ν				
- Bottie position ver	fied?	DA	3				

Dataset: L	J:\VG7.PRO\Results\200	0623D2\200623D2_2.qld	
)20 10:29:41 Pacific Daylight Time)20 10:31:12 Pacific Daylight Time	7B 6/24/20

Page 1 of 2

CM 06/24/2020

Method: C:\MassLynx\Defauit.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

1.25	# 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	94.788-114	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		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	ļ
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	
26	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	
2 8	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	

2

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

١

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

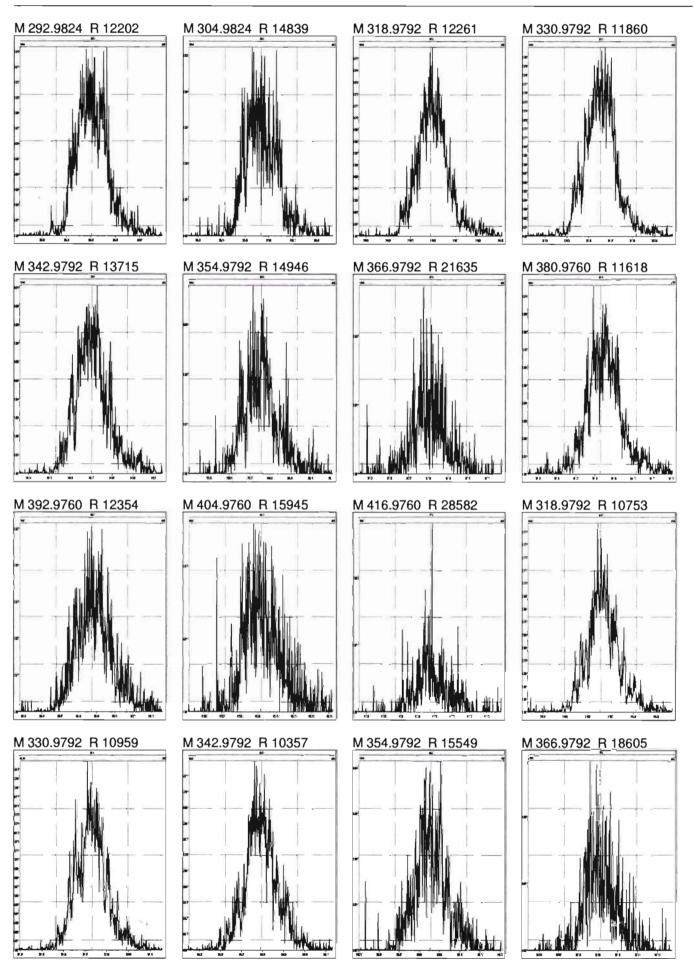
1 Carlo	Name	ID	Acq.Date	Acq.Time
1 -	200623D2_1	SOLVENT BLANK	23-Jun-20	21:25:21
2	200623D2_2	ST200623D2-1 1613 CS3 19L2305	23-Jun-20	22:10:32
3	200623D2_3	B0F0086-BS1 OPR 10	23-Jun-20	22:55:42
4	200623D2_4	SOLVENT BLANK	23-Jun-20	23:40:53
5	200623D2_5	B0F0086-BLK1 Method Blank 10	24-Jun-20	00:26:03
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



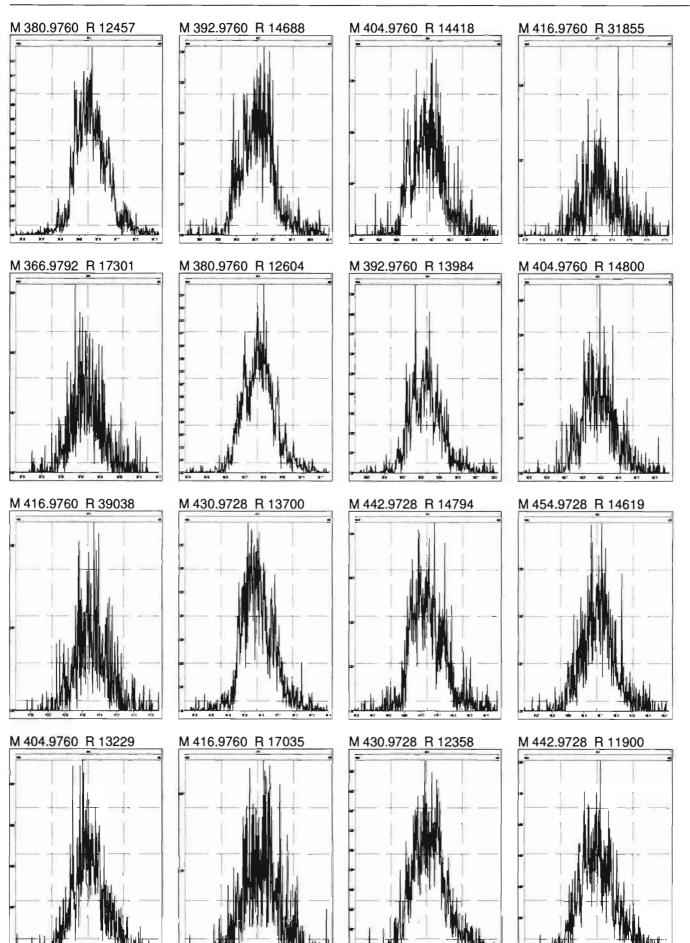
Work Order 2001132

Resolution Check Report

MassLynx 4.1

Printed:

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



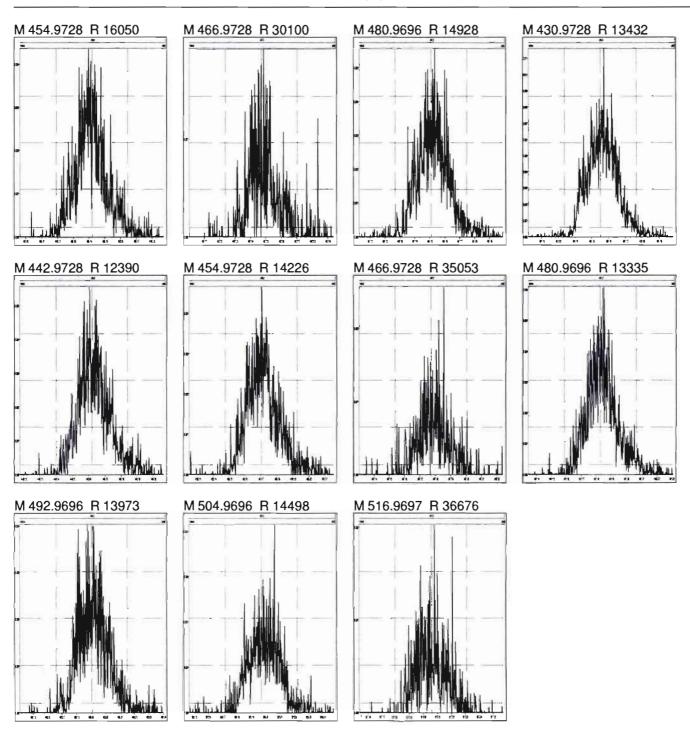
Work Order 2001132

Resolution Check Report

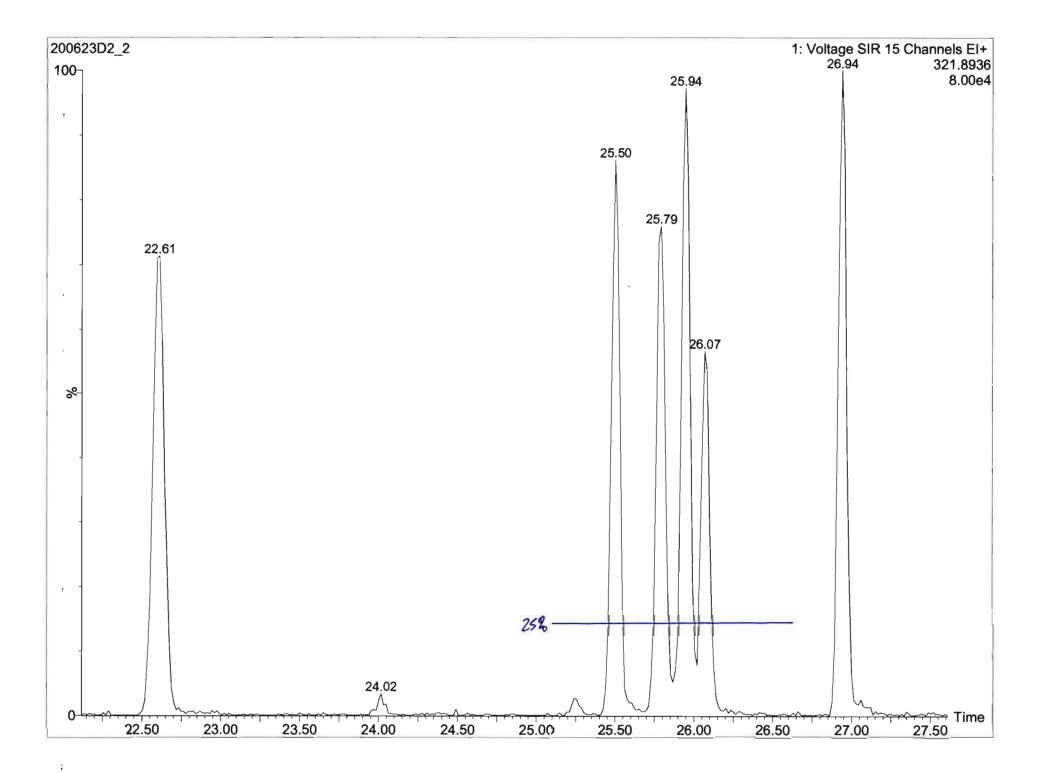
MassLynx 4.1

Printed:

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



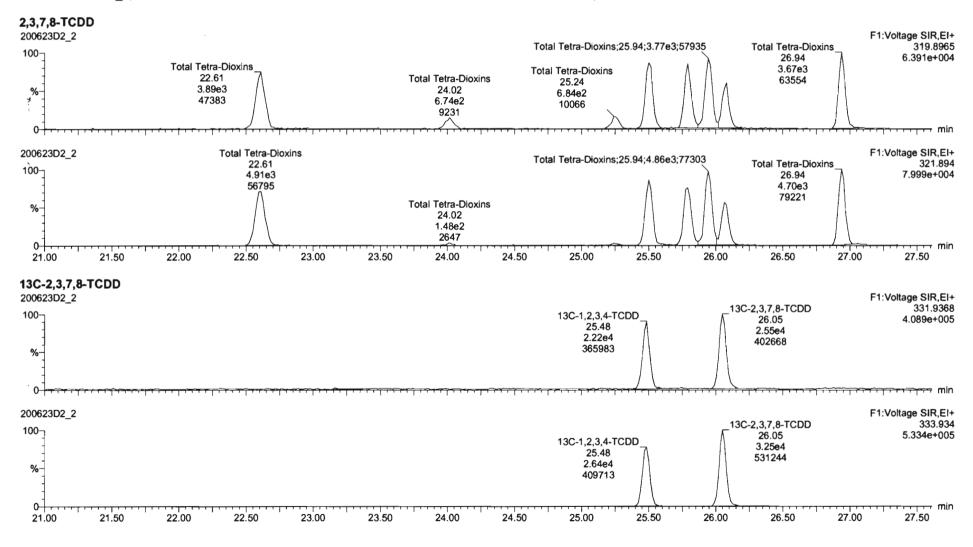
3.3



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

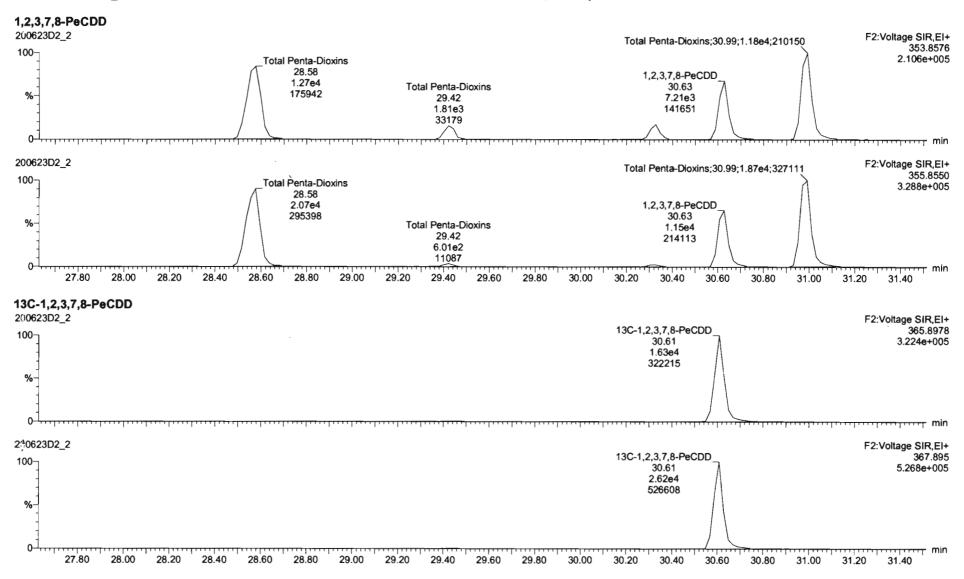
Last Altered:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

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	
-1.		

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

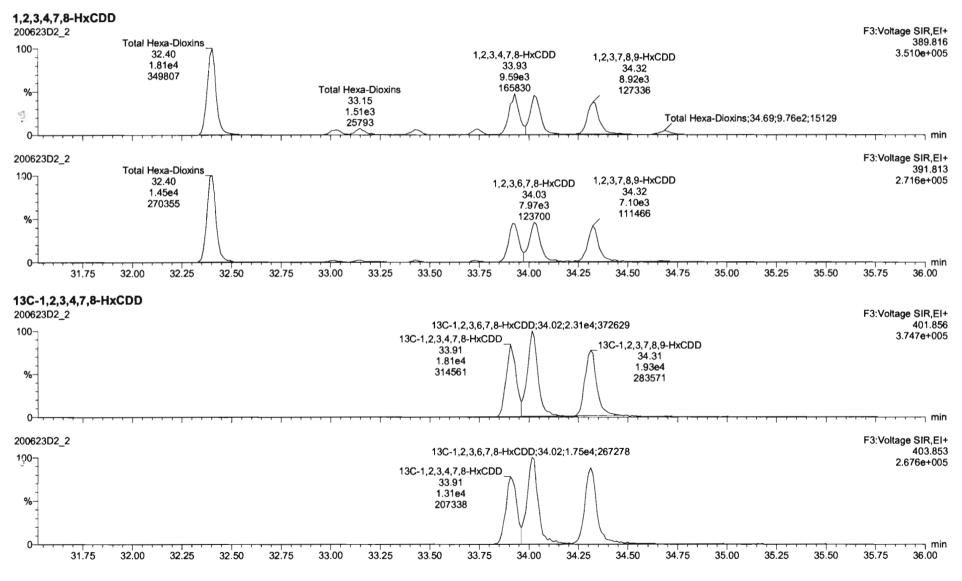


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory Vista Analytical Laboratory

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



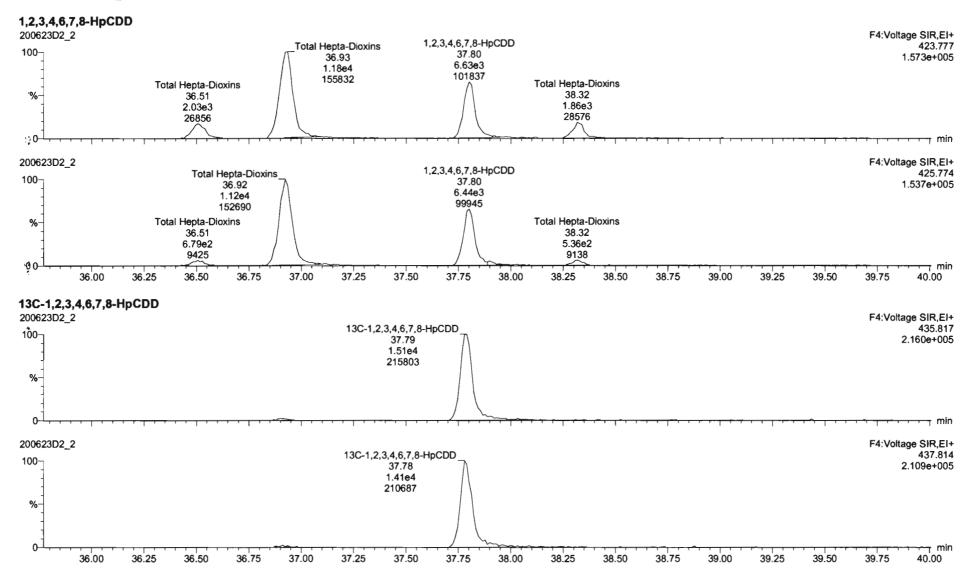
ġ,

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

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

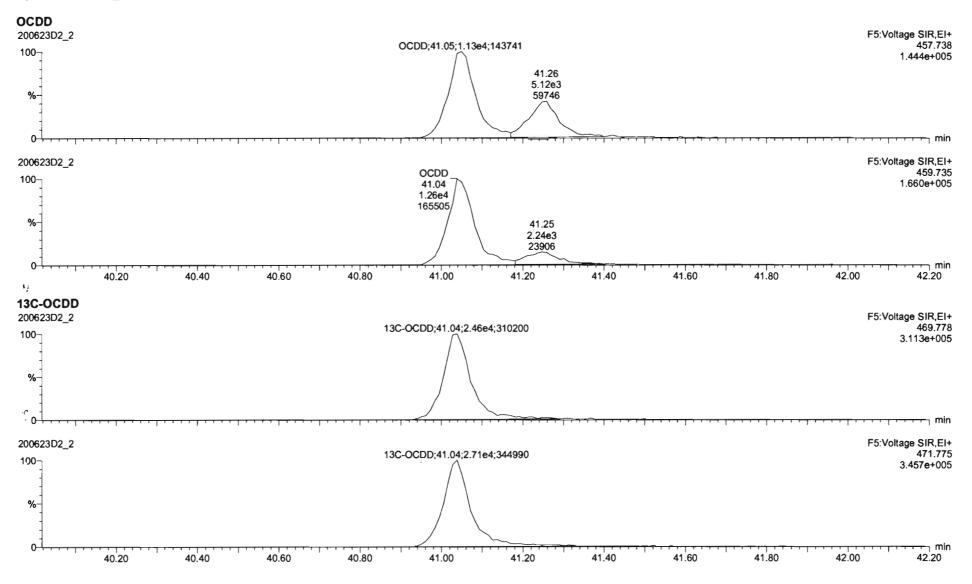


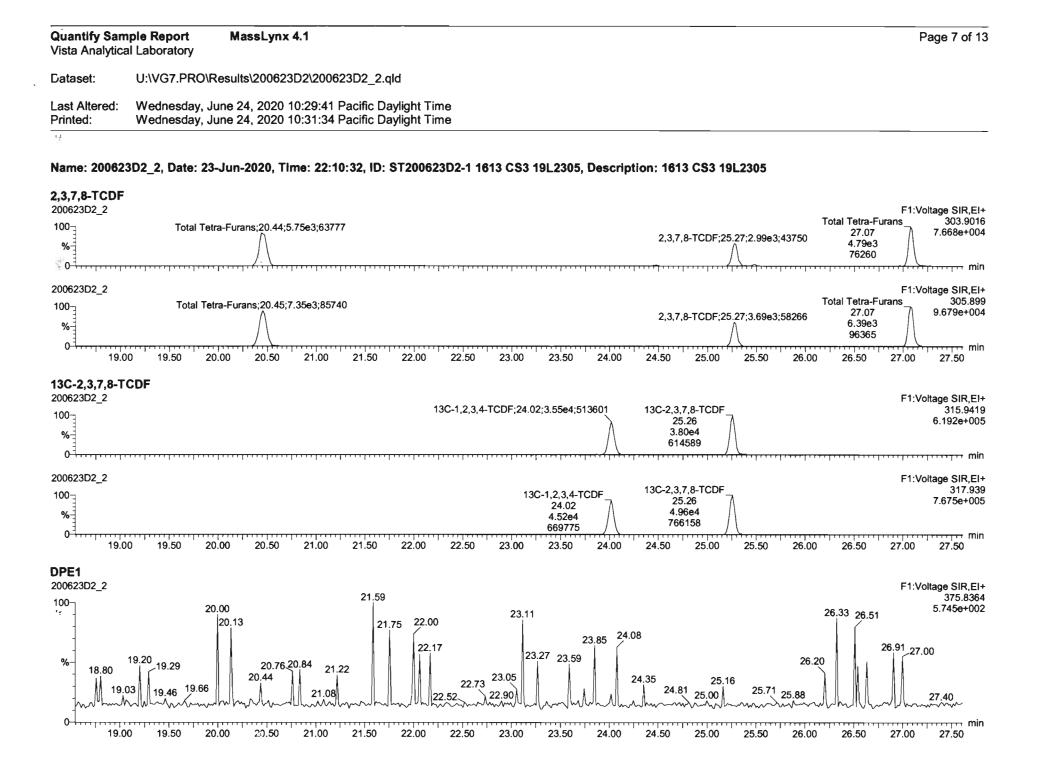
Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory Vista Analytical Laboratory

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

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



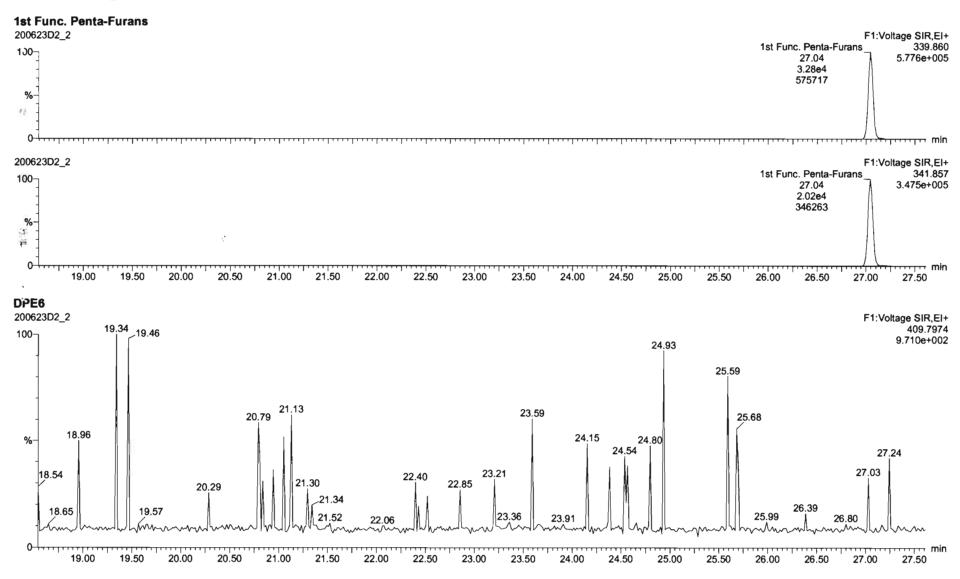


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory Vista Analytical Laboratory

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 2001132

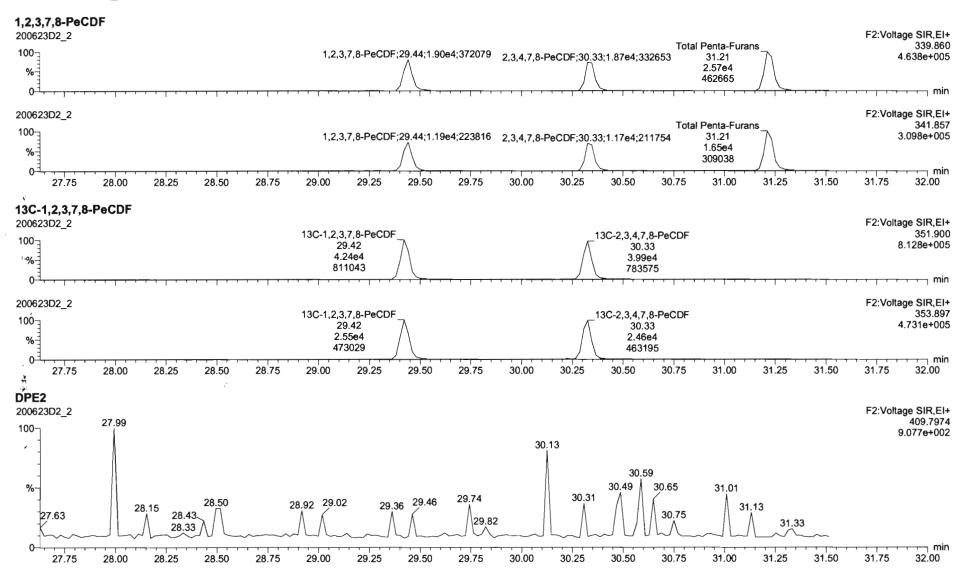
٠.,

Quantify Sample Report MassLynx 4.1

Vista Analytical Laboratory

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

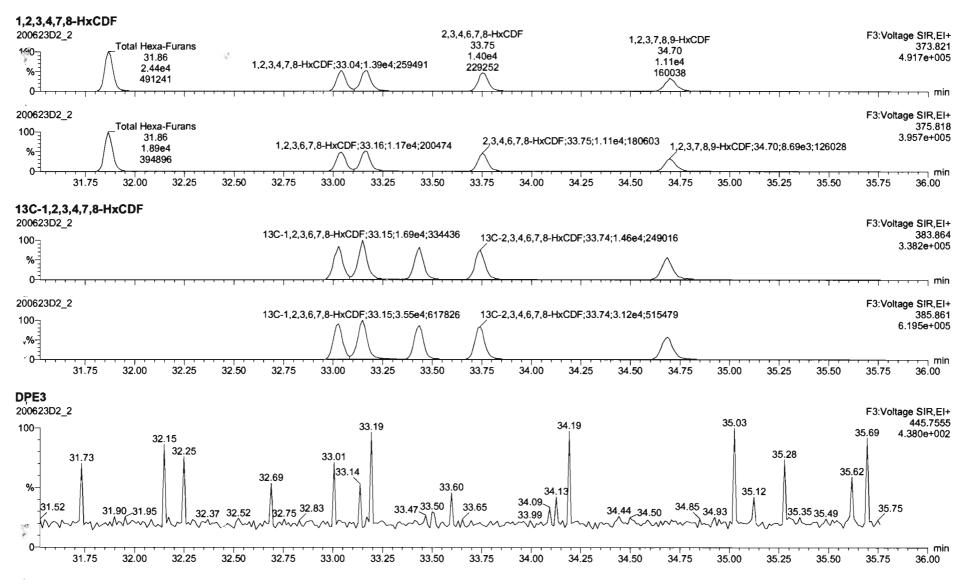
Last Altered:	Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
Printed:	Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time



Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1

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

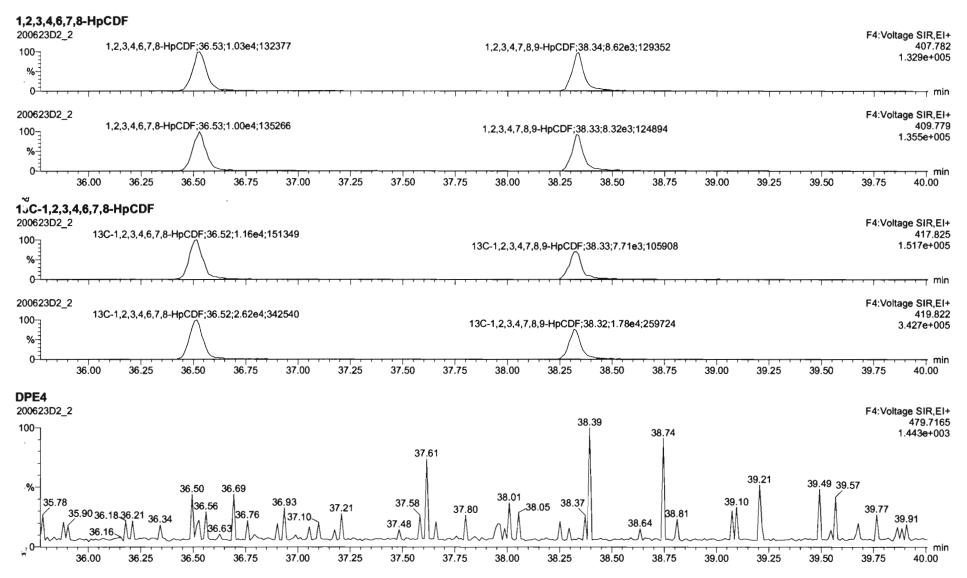
Läst Altered: Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time Printed: Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time



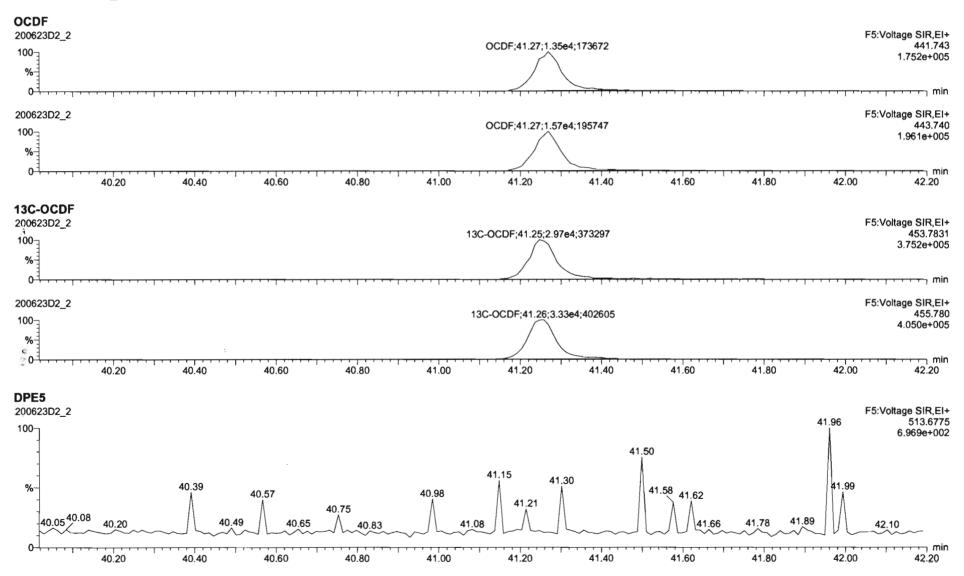
Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1

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	

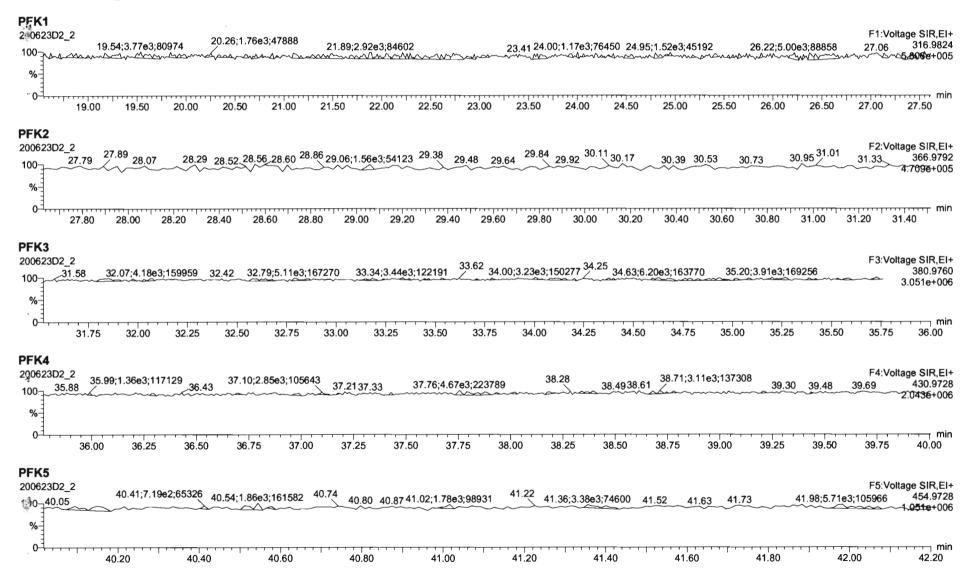


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory

Page 13 of 13

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

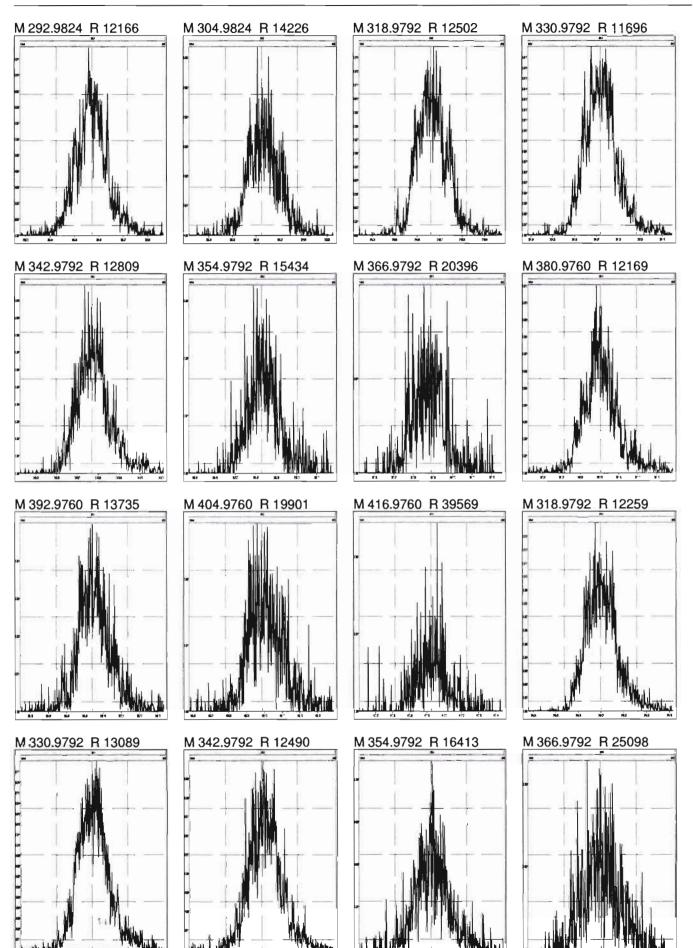
Last Altered: Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time Printed: Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time



MassLynx 4.1



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

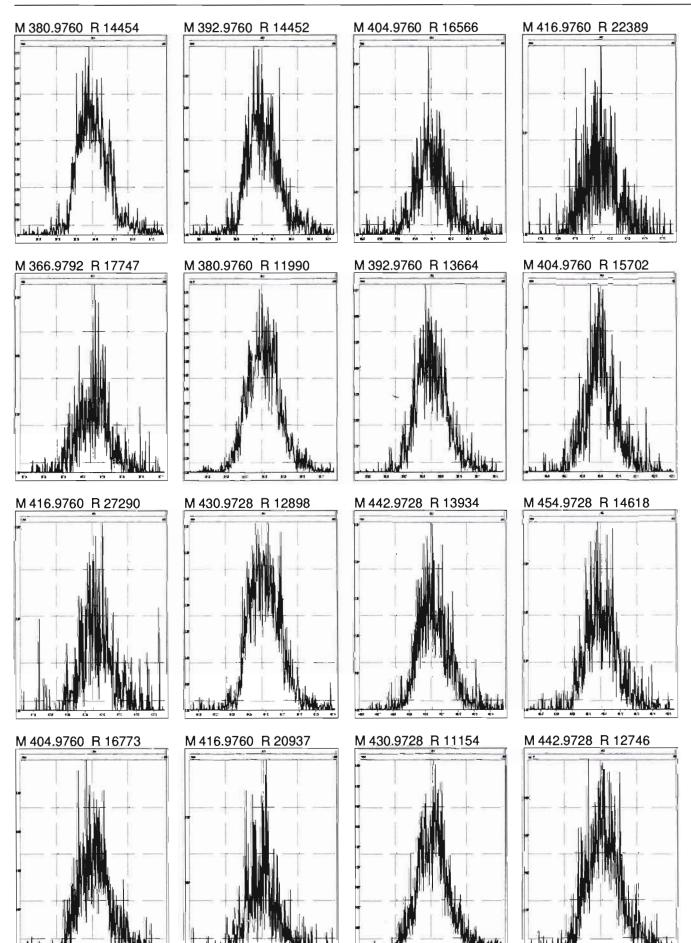


Work Order 2001132

MassLynx 4.1



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

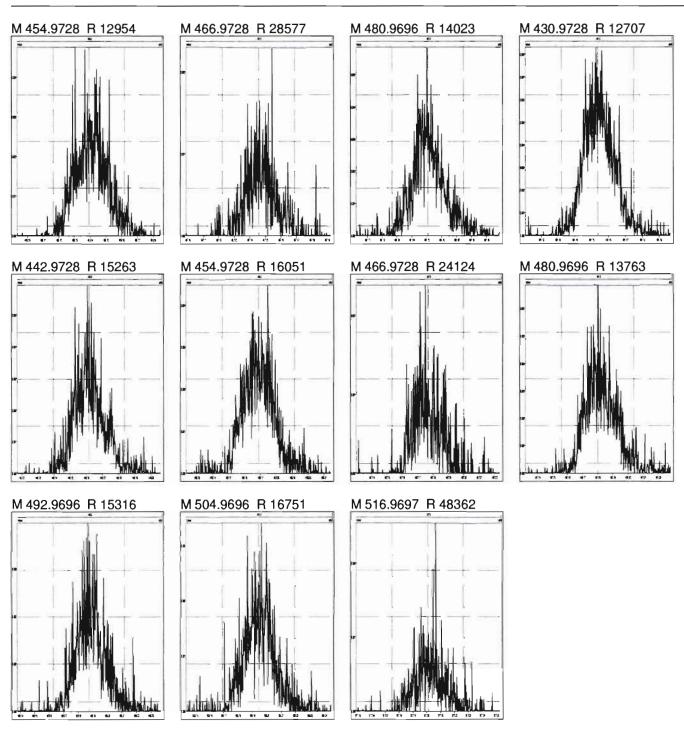


Work Order 2001132

MassLynx 4.1

Printed:

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



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID: ST200626 R3-1			Reviewed By: <u>C7 06/29/2020</u>	·	
End Calibration ID:NA	_		initials & Date		
	Beg.	End		Beg.	End
Ion abundance within QC limits?	V	NA	Mass resolution >		1
Concentrations within criteria?	V	Φ	□ 5k □ 6-8K □ 8K ⊠ 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	\checkmark		Intergrated peaks display correctly?		NA
First and last eluters present?			GC Break <20%		
Retention Times within criteria?		Φ	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)	- 1				
Forms signed and dated?	\checkmark		Comments:		•
Correct ICAL referenced?	GRB				
Run Log:					
- Correct instrument listed?	\checkmark	\checkmark	·		4
- Samples within 12 hour clock?	Y	Ν			
- Bottle position verfied?	G	PB	_ · · · · · · · · · · · · · · · · · · ·	<u> </u>	

Work Order 2001132

Quantify Sample Summary Report Vista Analytical Laboratory		MassLynx 4.1 SCN815	Page 1 of 2
Dataset:	U:\VG12.PRO\Results\20	0626R3\200623R3-2.qld	
Last Altered: Printed:		47:59 AM Pacific Daylight Time 48:17 AM Pacific Daylight Time	GPB 06/28/2020

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: 200626R3_2, Date: 26-Jun-2020, Time: 22:25:00, ID: ST200626R3_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

10.000	# 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	4.28e4	4.98e5	0.74	NO	0.888	26.49	26.48	NO	1.001	1.001	9.6741	96.7	NO
2	2 1,2,3.7,8-PeCDD	1.48e5	3.45e5	0.61	NO	0.908	31.46	31.45	NO	1.001	1.000	47.224	94.4	NO
3	3 1,2,3,4,7,8-HxCDD	1.04e5	2.15e5	1.22	NO	1.03	34.84	34.84	NO	1.000	1.000	46.892	93.8	NO
4	4 1,2,3,6,7,8-HxCDD	1.19e5	2.81e5	1.24	NO	0.892	34.93	34.94	NO	1.000	1.000	47.600	95.2	NO
5	5 1,2,3,7,8,9-HxCDD	1.03e5	2.44e5	1.21	NO	0.887	35.23	35.23	NO	1.000	1.000	47.431	94.9	NO
6	6 1,2,3.4,6,7,8-HpCDD	6.99e4	1.69e5	1.04	NO	0.864	38.78	38.79	NO	1.000	1.001	47.924	95.8	NO
7 .	7 OCDD	1.34e5	2.97e5	0.88	NO	0.914	41.78	41.80	NO	1.000	1.001	98.616	98.6	NO
8	8 2,3.7,8 TCDF	4.39e4	6.30e5	0.73	NO	0.751	25.60	25.59	NO	1.001	1.001	9.2874	92.9	NO
9	9 1,2,3,7,8-PeCDF	2.09e5	5.10e5	1.54	NO	0.893	30 17	30.17	NO	1.001	1.001	45.991	92.0	NO
10	10 2,3,4,7,8-PeCDF	2.11e5	4.87e5	1.53	NO	0.935	31.16	31.15	NO	1.001	1.000	46.340	92.7	NO
11	11 1,2,3,4,7,8-HxCDF	1.16e5	2.77e5	1.20	NO	0.884	33.95	33.96	NO	1.000	1.000	47.332	94.7	NO
12	12 1,2,3,6,7,8-HxCDF	1.35e5	3.22e5	1.19	NO	0.889	34.08	34.08	NO	1.000	1.000	47.306	94.6	NO
13	13 2,3,4,6,7,8-HxCDF	1.26e5	2.74e5	1.17	NO	0.934	34.69	34.68	NO	1.001	1.001	49.146	98.3	NO
14	14 1,2,3,7,8,9-HxCDF	8.90e4	2.24e5	1.21	NO	0.871	35.58	35.59	NO	1.000	1.000	45.666	91.3	NO
15	15 1,2,3,4,5,7,8-HpCDF	8.30e4	1.89e5	0.99	- NO	0.873	37.40	37.37	NO	1.001	1.000	50.224	100	NO
16	16 1,2,3,4,7,8,9-HpCDF	6.17e4 ·	1.19e5	0.98	NO	1.01	39.32	39.33	NO	1.000	1.000	51.140	102	NO
17	17 OCDF	1.29e5	3.36e5	0.87	NO	0.806	41.97	41.98	NO	1.000	1.000	95.429	95.4	NO
18	18 13C-2,3,7,8-TCDD	4.98e5	4.26e5	0.78	NO	1.16	26.49	26.45	NO	1.026	1.025	101.23	101	NO
19	19 13C-1,2,3,7,8-PeCDD	3.45e5	4.26e5	0.62	NO	0.849	31.67	31.44	NO	1.227	1.218	95.403	95.4	NO
20	20 13C-1,2,3,4,7,8-HxCDD	2.15e5	2.73e5	1.28	NO	0.779	34.83	34.83	NO	1.014	1.014	101.19	101	NO
21	21 13C-1,2,3,6,7,8-HxCDD	2.81e5	2.73e5	1.27	NO	1.02	34.94	34.93	NO	1.017	1.017	101.15	101	NO
22	22 13C-1,2,3,7,8.9-HxCDD	2.44e5	2.73e5	1.24	NO	0.903	35.21	35.22	NO	1.025	1.025	99.011	99.0	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.69e5	2.73e5	1.04	NO	0.689	38.74	38.77	NO	1.128	1.129	89.816	89.8	NO
24	24 13C-OCDD	2.97e5	2.73e5	0.90	NO	0.652	41.76	41.78	NO	1.216	1.216	166.67	83.3	NO
25	25 13C-2,3,7,8-TCDF	6.30e5	5.91e5	0.77	NO	1.06	25.53	25.57	NO	0.989	0.991	100.67	101	NO
26	26 13C-1,2,3,7,8-PeCDF	5.10e5	5.91e5	1.64	NO	0.838	30.06	30.15	NO	1.165	1.168	102.97	103	NO
27 .	27-13C-2,3,4,7,8-PeCDF	4.87e5	5.91e5	1.59	NO	0.817	31.01	31.13	NO	1.202	1.206	100.94	101	NO
28	28 13C-1,2,3,4,7,8-HxCDF	2.77e5	2.73e5	0.49	NO	1.01	33.96	33.95	NO	0.989	0.989	100.65	101	NO
29	29 13C-1,2,3,6,7,8-HxCDF	- 3.22e5	2.73e5	0.48	NO	1.17	34.08	34.07	NO	0.992	0.992	101.10	101	NO
30	30 13C-2,3,4,6,7,8-HxCDF	2.74e5	2.73e5	0.50	NO	1.02	34.66	34.65	NO	1.009	1.009	98.410	98.4	NO

C7 06/29/2020

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

Dataset: U:\VG12.PRO\Results\200626R3\200623R3-2.qld

Last Altered:Sunday, June 28, 2020 8:47:59 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 8:48:17 AM Pacific Daylight Time

Name: 200626R3_2, Date: 26-Jun-2020, Time: 22:25:00, ID: ST200626R3_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# 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	2.24e5	2.73e5	0.49	NO	0.860	35.56	35.58	NO	1.035	1.036	95.458	95.5	NO
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.89e5	2.73e5	0.43	NO	0.774	37.31	37.36	NO	1.086	1.088	89.556	89.6	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.19e5	2.73e5	0.43	NO	0.521	39.34	39.32	NO	1.145	1.145	83.758	83.8	NO
34	34 13C-OCDF	3.36e5	2.73e5	0.86	NO	0.746	41.93	41.97	NO	1.221	1.222	165.33	82.7	NO
35	35 37CI-2,3,7,8-TCDD	4.49e4	4.26e5			1.04	26.52	26.48	NO	1.028	1.026	10.176	102	NO
36	36 13C-1,2,3,4-TCDD	4.26e5	4.26e5	0.78	NO	1.00	25.89	25 81	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	5.91e5	5.91e5	0.77	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	2.73e5	2.73e5	0.50	NO	1.00	34.42	34.35	NO	1.000	1.000	100.00	100	YES

and the second second second second

•	aple Summary Report al Laboratory VG-11	MassLynx 4.1 SCN815	Page 1 of 1
Dataset:	Untitled		· · · · ·
Last Altered: Printed:		48:47 AM Pacific Daylight Time 49:03 AM 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

1000	# 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)	31.83
5	5 1,2,4,6,7,9-HxCDD (First)	33.33
6	6 1,2,3,7,8,9-HxCDD (Last)	35.23
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.76
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.79
9	9 1,3,6,8-TCDF (First)	20.32
10	10 1.2.8,9-TCDF (Last)	27.59
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)	35.59
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.37
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.33

Page 1 of 1

· 1.

.

 Quantify Compound Summary Report
 MassLynx 4.1 SCN815

 Vista Analytical Laboratory VG-11
 Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Sunday, June 28, 2020 8:49:37 AM Pacific Daylight Time Printed: Sunday, June 28, 2020 8:49:59 AM 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

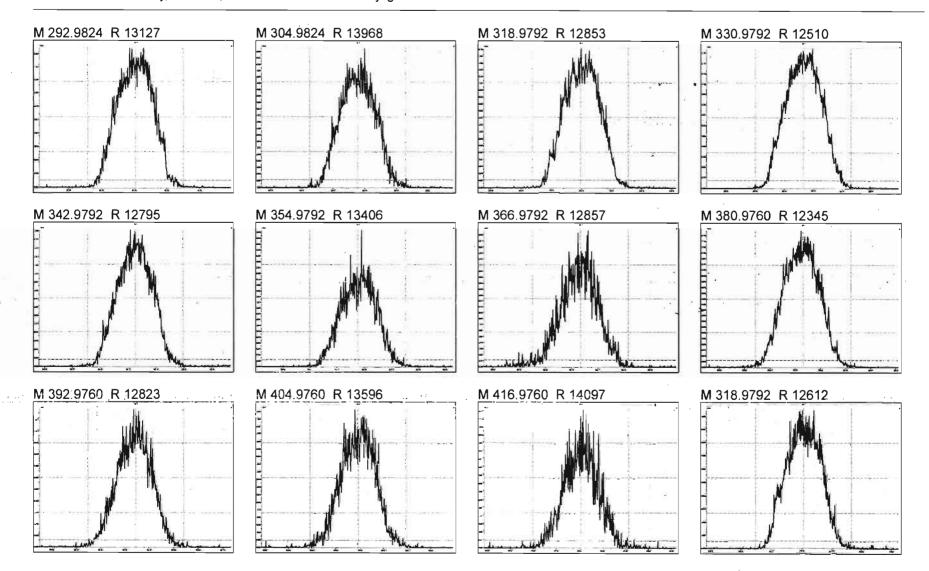
Compound name: 2,3,7,8-TCDD

1. 1. 1. 1.	Name	ID	Acq.Date	Acq.Time
1	200626R3_1	SOLVENT BLANK	26-Jun-20	21:38:46
2	200626R3_2	ST200626R3_1 1613 CS3 19L2305	26-Jun-20	22:25:00
3	200626R3_3	SOLVENT BLANK	26-Jun-20	23:11:14
4	200626R3_4	2001036-12 PDI-056SC-B-02-05-200510 16.5	26-Jun-20	23:57:28
5	200626R3_5	2001036 13 PDI-056SC-B-05-07-200510 18.28	27-Jun-20	00:43:43
6 ·	200626R3_6	2001036-14 PDI-1056SC-B-02-05-200510 15.96	27-Jun-20	01:29:56
7	200626R3_7	2001036-15 PDI-091SC-B-00-02-200510 20.42	27-Jun-20	02:16:10
8	200626R3_8	2001036-16 PDI-091SC-B-02-04-200510 19.58	27-Jun-20	03:02:25
9	200626R3_9	2001036-17 PDI-091SC-B-04-06-200510 17.92	27-Jun-20	03:48:38
10	200626R3_10	2001036-18 PDI-091SC-B-06-08-200510 18.16	27-Jun-20	04:34:52
11	200626R3_11	B0F0086-DUP3 Duplicate 12.72	27-Jun-20	05:21:06
12	200626R3_12	2001132-01 PDI-172SC-A-03-04-200520 12.63	27-Jun-20	06:07:20
13	200626R3_13	2001132 02 PDI-172SC A-04-05 200520 11.27	27-Jun-20	06:53:35
14	200626R3_14	2001132-03 PDI-172SC-A 05-06-200520 10.96	27-Jun-20	07:39:50
15	200626R3_15	2001132-04 PDI-172SC-A-06-07-200520 11.72	27-Jun-20	08:26:05
16	200626R3_16	2001132-05 PDI-172SC-A-07-08-200520 13.49	27-Jun-20	09:12:20

MassLynx 4.1 SCN815

Page 1 of 4

Printed: Friday, June 26, 2020 21:38:40 Pacific Daylight Time

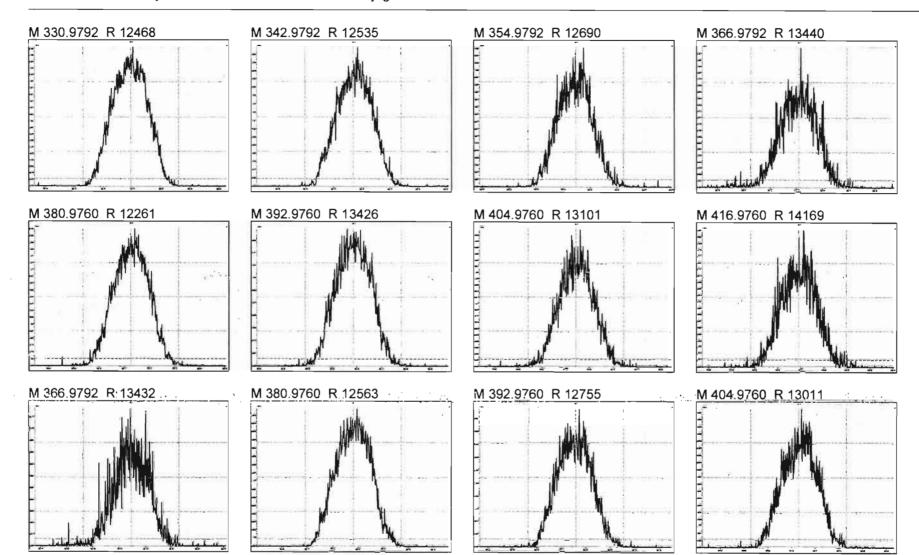


Work Order 2001132

MassLynx 4.1 SCN815

Page 2 of 4

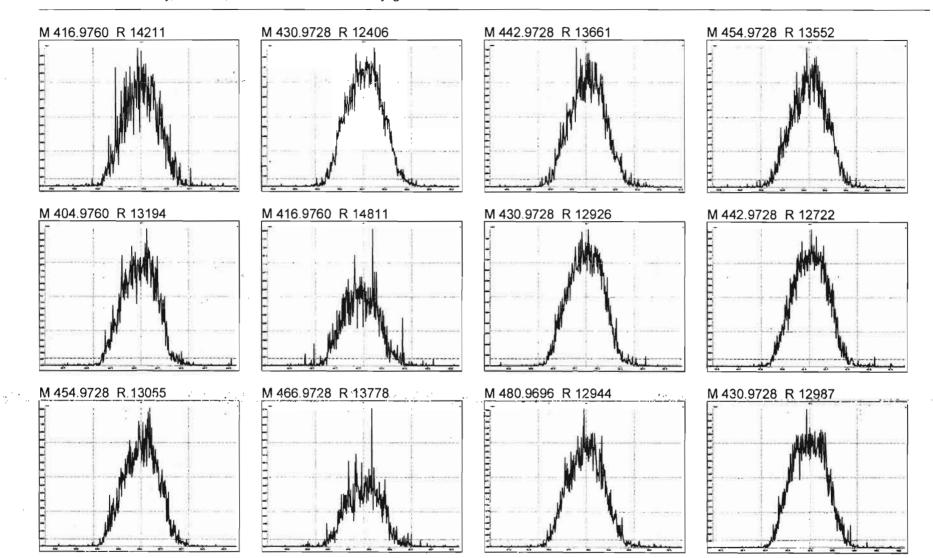
Printed: Friday, June 26, 2020 21:38:40 Pacific Daylight Time



MassLynx 4.1 SCN815

Page 3 of 4

Printed: Friday, June 26, 2020 21:38:40 Pacific Daylight Time



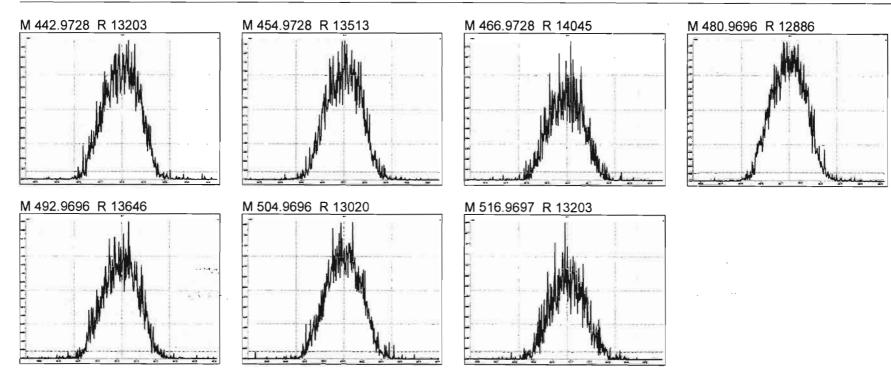
.

MassLynx 4.1 SCN815

Page 4 of 4

Printed:

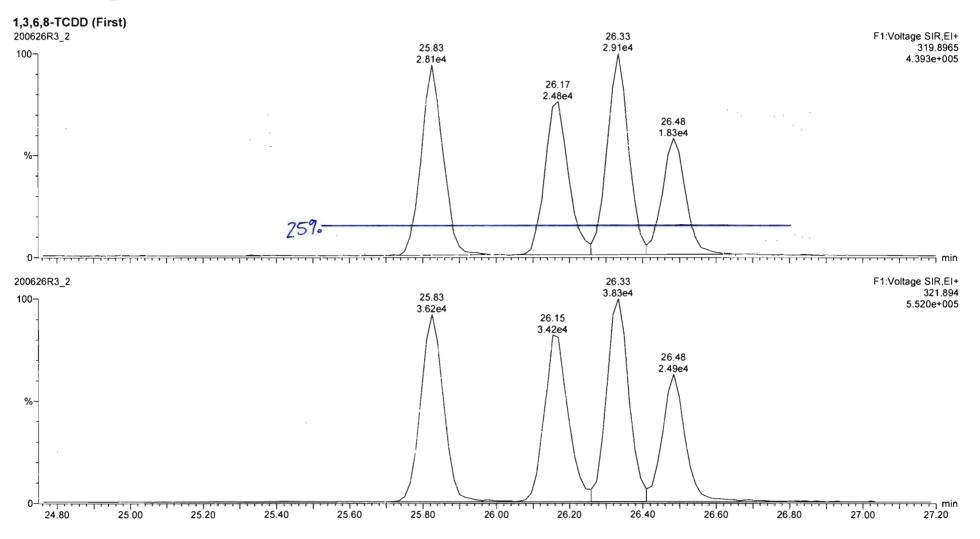
Friday, June 26, 2020 21:38:40 Pacific Daylight Time



3×.

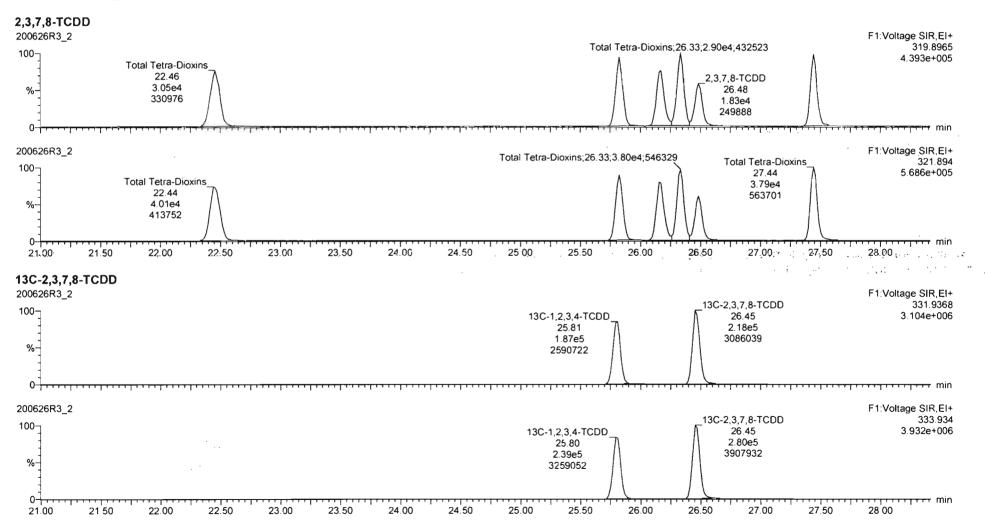
Quantify Sam Vista Analytica	aple Report MassLynx 4.1 SCN815 al Laboratory VG-11	Page 1 of 1
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 8:48:47 AM Pacific Daylight Time Sunday, June 28, 2020 8:49:03 AM Pacific Daylight Time	GRB 06/28/2020

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

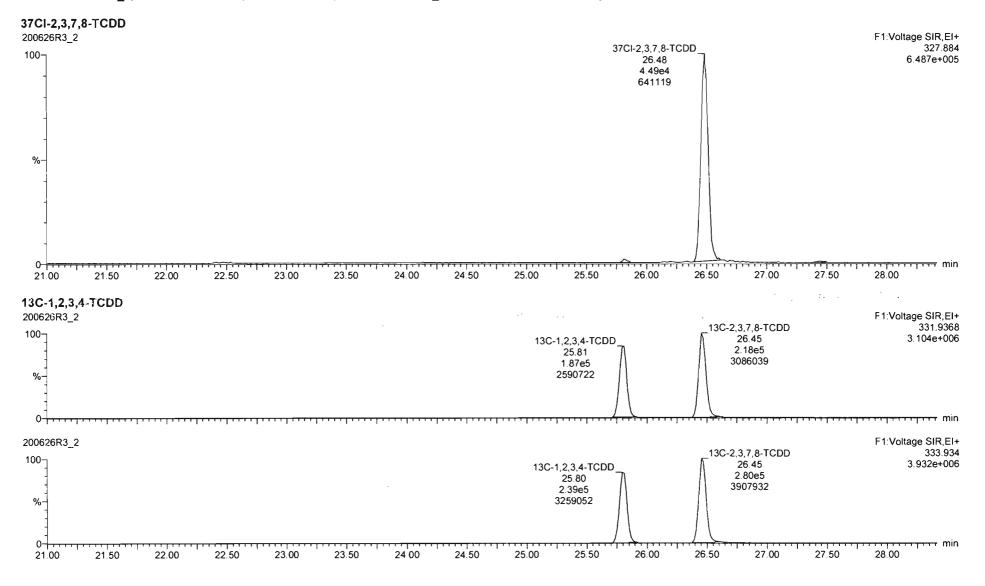


Quantify San Vista Analytica		Page 1 of 13
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 8:43:31 AM Pacific Daylight Time Sunday, June 28, 2020 8:43:40 AM Pacific Daylight Time	

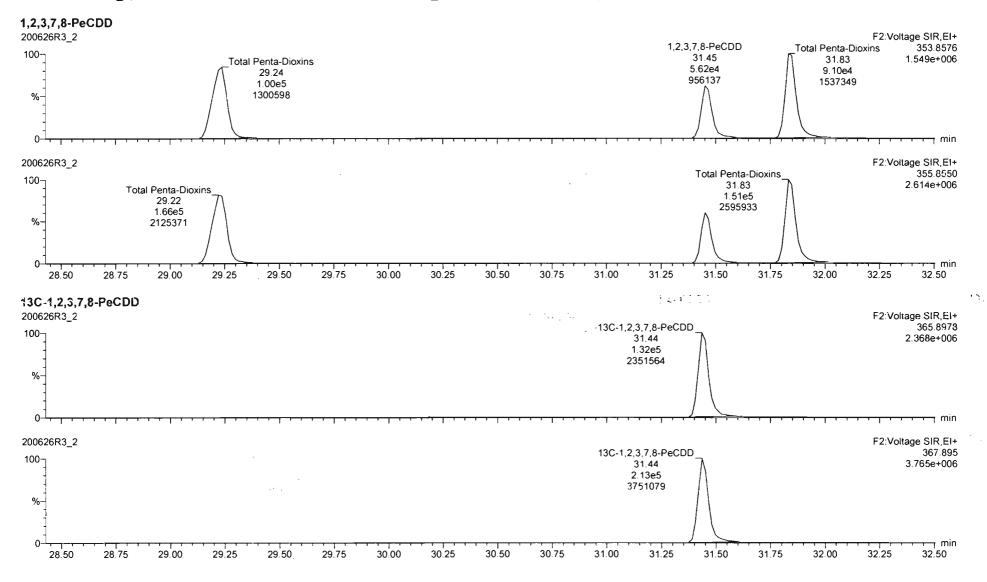
Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08



Quantify San Vista Analytic		Page 2 of 13
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 8:43:31 AM Pacific Daylight Time Sunday, June 28, 2020 8:43:40 AM Pacific Daylight Time	

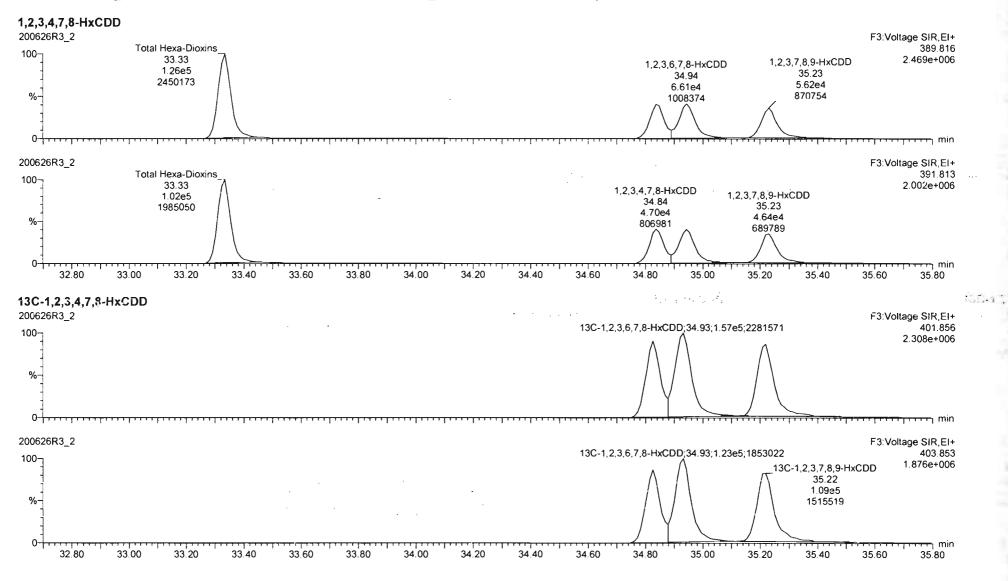


Quantify Sample Report Vista Analytical Laboratory		MassLynx 4.1 SCN815	Page 3 of 13
Dataset:	Untitled		
Last Altered: Printed:		28, 2020 8:43:31 AM Pacific Daylight Time 28, 2020 8:43:40 AM Pacific Daylight Time	

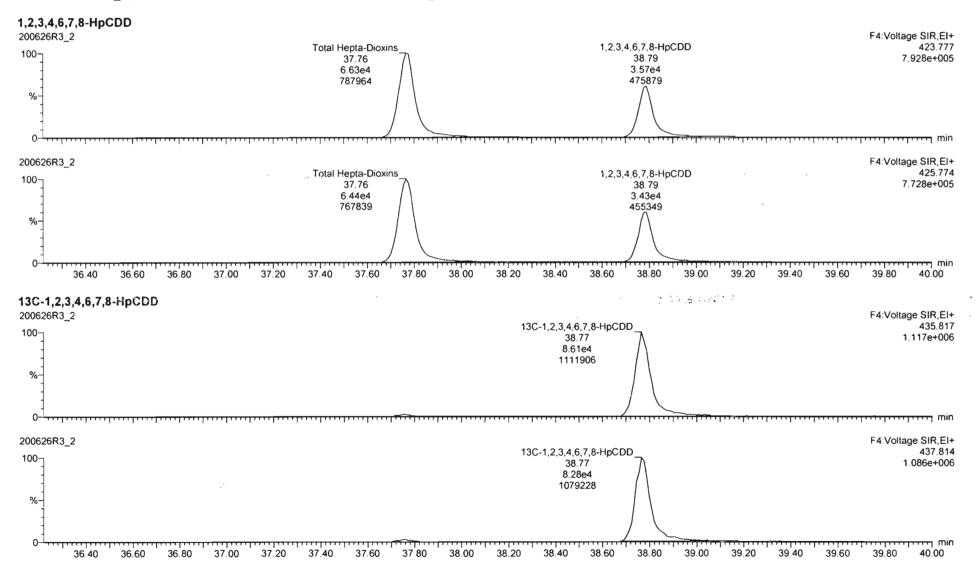


2

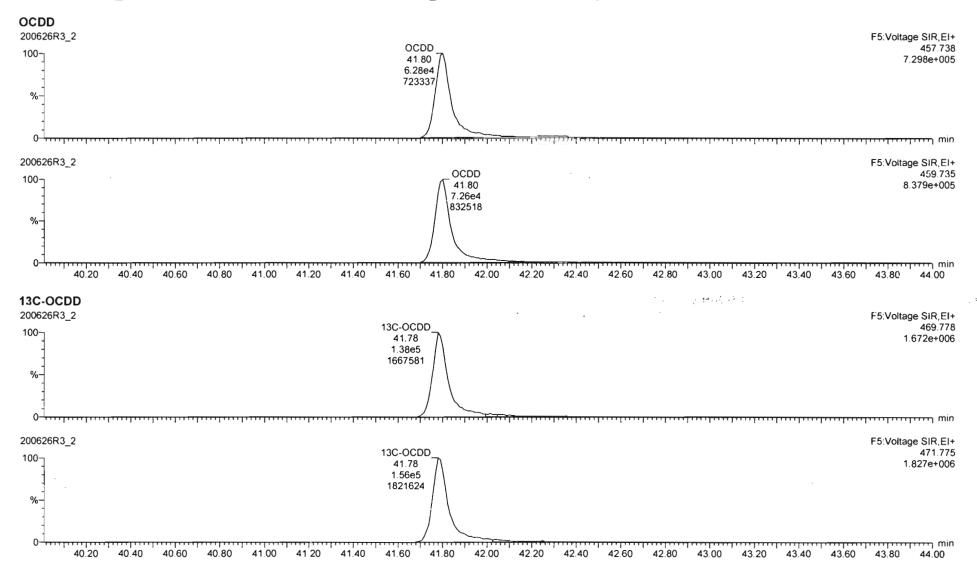
Quantify San Vista Analytica		Page 4 of 13
Dataset:	Untitled	
Last Altered: Printed: 	Sunday, June 28, 2020 8:43:31 AM Pacific Daylight Time Sunday, June 28, 2020 8:43:40 AM Pacific Daylight Time	



Quantify Sarr Vista Analytica		Page 5 of 13
Dataset:	Untitled	
Last Altered:	Sunday, June 28, 2020 8:43:31 AM Pacific Daylight Time	
Printed:	Sunday, June 28, 2020 8:43:40 AM Pacific Daylight Time	



Quantify Sample Report Vista Analytical Laboratory		MassLynx 4.1 SCN815	Page 6 of 13
Dataset:	Untitled		
Last Altered: Printed:		28, 2020 8:43:31 AM Pacific Daylight Time 28, 2020 8:43:40 AM Pacific Daylight Time	



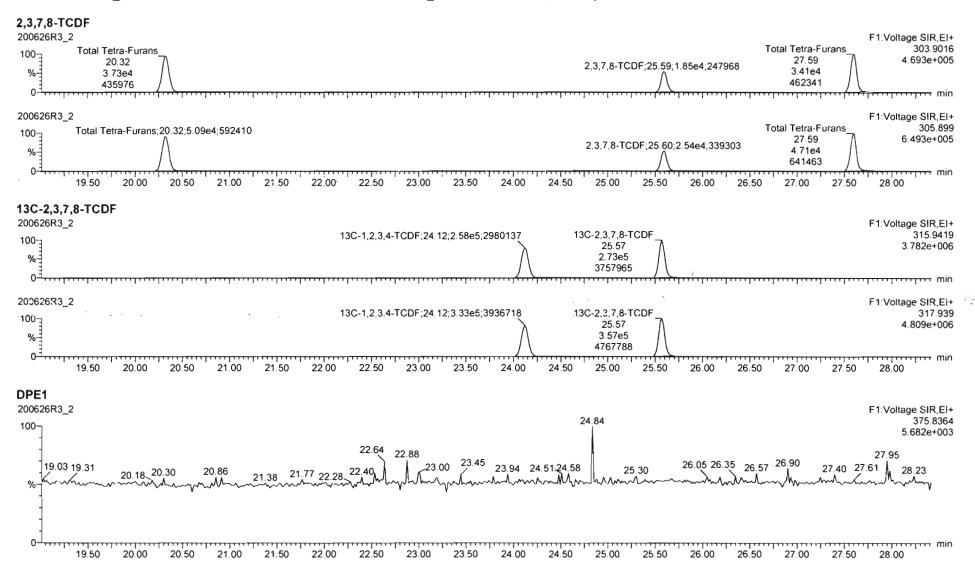
and the second second	tlynx - 200623R3-2.qld [Cl Edit View Display Proc	the second second	_	lp	1									1.50		and the second of	14		1.000	- 11.00				-	-		a second	-3- . (e) x
S]+ + +> <	(+ • #()+ - X	1 es t	<u>_</u>	ΞΣ	00	€	•																		
10	Contraction of the			2		391 E		1			200	326R3_	2-ST2	00626	R3_1 161	3 CS3 19L2305	- 1613 C	S3 19L23	305	2								
×	r hant	Resp	15 Resp	Pred RA	RA	Ny	RRF	Pred RT	RT	RTFilling	Pred RR	TRAT	Conc	SRec	STD cut													
	1 2.3.7.8-TCDD	4 2844	4 98e5		0.74		0.8883		26.48	NO	1.001	1.001	9.87	96.7	NO													CI I
2	2 1,2.3,7,8-PeCDD	1.48e5	3.45e5		0.61	-	0.9081	-	31.45	ND	1.001	1.000	47.2	94.4	NÖ													1.1
3	3 1.2.3.4.7.8-HxCDD	1.04e5	2.45e5	++	1.22		1.0334		34.84	NO	1 000	1.005	6.54	93.8	NÖ													
4 5	4 1,2,3,6,7,8-HxCDD 5 1,2,9,7,8,9-HxCDD	1 19e5	2 8165		124		0.8923		34 94 35 23	NO	1 000	1.000	47.6	95.2 94.9	NO NO													
6	6 1,2 3,4 6,7,8-HpCDD	8.994	1 68e5		1.04				38.79	ND	1.000	1 661	47.9	96.8	NG													
7	7 0000	1.34e5	2 97e5							NO	1.000	1.001	95.6	98.6	NO													
8	8 2,3,7,8-TCDF	4 7944	4 30e5	0.77	6 73		0,7510		25.59	NO	1.001	1,001	8.29	92.5	140													1.27
9	9 1 2 3 7 8-PeCDF	2 09e5	5 10e5		1.54		0.8925		30.17	ND	1 001	1.001	46.0	92.0	NO					• •								• •
	10 2.3.4.7.8-PeCDF	2 11e5	4.8205		1.53		0.9348		31 15	NO	1.001	1.000	48.3	92 7 94 7	NO NO													
	11 1,2:3,4.7,8-HxCDF 12 1,2:3,6.7,8-HxCDF	1 16e5	2.77e5 3.22e5		1.20			-	33 96 34 08	NO NO	1.000	1.000	47.3	94.6	NO NO													
	13 2.3 4.6.7.8-HxCOF	1 26e5	27405		1.17		0.9341		34.68	NO	1 001	1 001	49 1	98.3	NO													
	14 1,2 3 7.8,9-HxCDF	8 90e4	2 2465	++	121		0.8707		35.59	NO	1.000	1,000		91.3	NO													1.0
	15 1,2,3,4.8,7,8-HpCDF	8.30e4	1 89e5		0.99		0.8734		37.37	NO	1 001	1.000	90.2	100	ND													
16	16 1.2.3.4.7.8.9-HpCDF	6 17e4	1.1965		0.98	10	1.0128		39.33	NO	1 000	1 000	51.1	102	NO													
	17 OCDF	1 26#5	1 36e5		0.85	-	0.8065		41 98 28 45	NO	1.000	1.000	94.5	94.5	NO NO													
18	18 13C-2.3,7 8-TCDD 19 13C-1.2,3,7,8-PeCDD	4 98e5 3 45e5	4.26e5		0.62				31.44	MO	1 227	1,023	-	95.4	NO													
	20 13C-1,2,3,4,7,8-HxCDD	2 1545	2.73e5		1.28		0.7790			NO	1.014	1.014		101	NO													
	21 13C-1,2,3,6,7,8-HxCDD	2.81e5	2.73e5		1 27	NO		34 94	34 93	NO	1.017	1.017	101	101	ND													- 1 e
	53 TBL2305 BT200624R1_+	1612 CS1 19	62101						0	CDD.418	62470 4										1							457.738 88e+005
20062% 1613.C1	R3_3 13 19,2365 8120062843_1	1e13 CS3-19	1.2.85						0	CDD.41.80	0.71133.48																8.37	500,E1- 459 735 764-005
200525	81_2 53 Vii 2304 (17206-3813 - 1	1411233	1,150																								/ 5 yofepr	(2R,E)+ 453,772
100-1									130-0	CDD:41 7	8;140395	02 16687	75														1.67	29:005
-											Λ																	
oL	******				1							-									, - · · · · · ·	• <u>; </u>						חות די
200626 1613 C 100 1 56-	RU_3 83 1942365 ST200425R3_1	1613 (53-19	8,2308						13C-0	CDD,41.7	8,156175	30, 18216	24															SIR,EI+ 471775 77++006
0-1-1	40 20 40 40	40.60	401	en .	1.00	41	20	41 40	41	60	41.60	42.0	1	42.20	42 40	42.60 4	2 80	43.00	43.20	43.40	43.68	43.80	44.00	44.20	44.	10 44.60	44.80	45.00
	40.20 40.40	40.00	40.1		1.46	10		21.40		-	0.122														5 200			AP NUM
Ready		111	-	5.0	-					-			-	-	-	-			-	10000	-		-	-	-	and the second second		
1	* J 🛤	19 ka																								BBB	4 1 1 1 B 47	AM

1.00

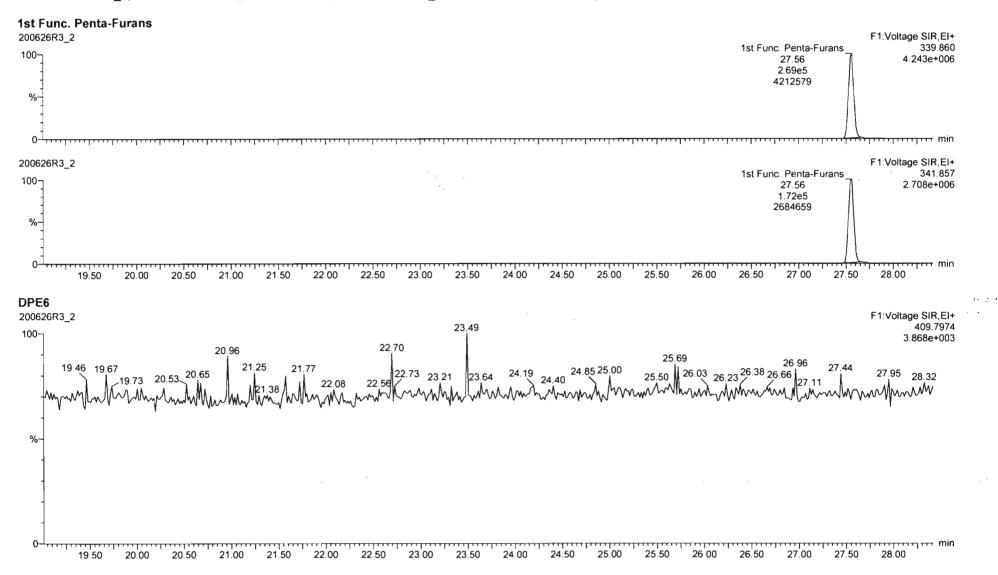
Quantify Sample Report MassLynx 4.1 SCN815 Vista Analytical Laboratory Vista Analytical Laboratory

Dataset: Untitled

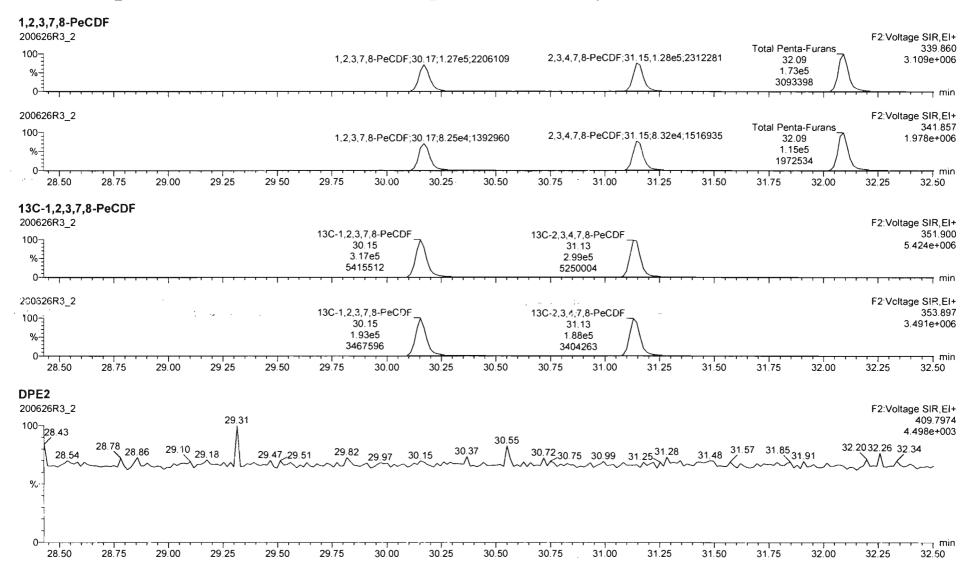
Last Altered:Sunday, June 28, 2020 8:43:31 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 8:43:40 AM Pacific Daylight Time



Quantify San Vista Analytic		Page 8 of 13
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 8:43:31 AM Pacific Daylight Time Sunday, June 28, 2020 8:43:40 AM Pacific Daylight Time	



Vista Analytical La	aboratory	Page 9 of 13
Dataset: U	ntitled	
	unday, June 28, 2020 8:43:31 AM Pacific Daylight Time unday, June 28, 2020 8:43:40 AM Pacific Daylight Time	

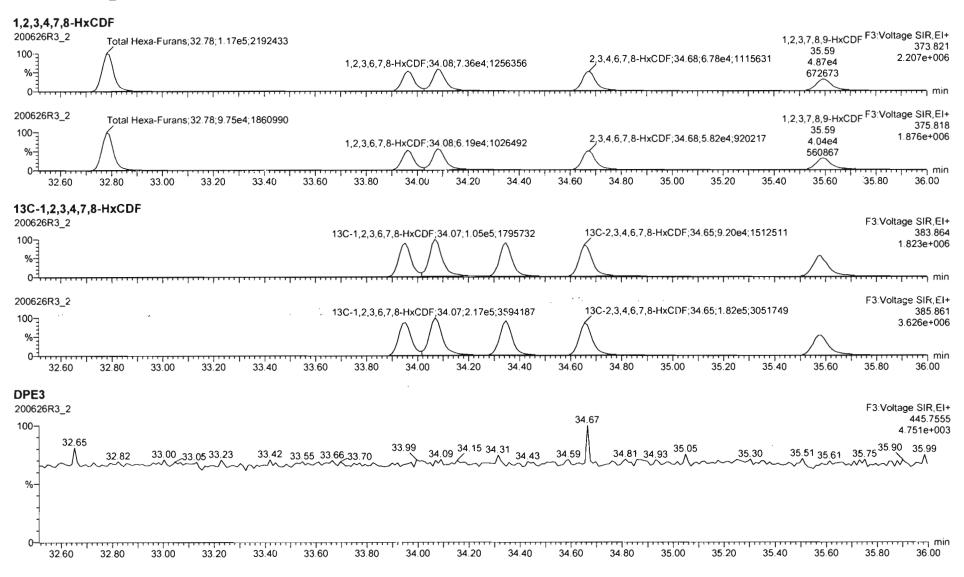


Quantify Sample Report	MassLynx 4.1 SCN815
Vista Analytical Laboratory	

Dataset: Untitled

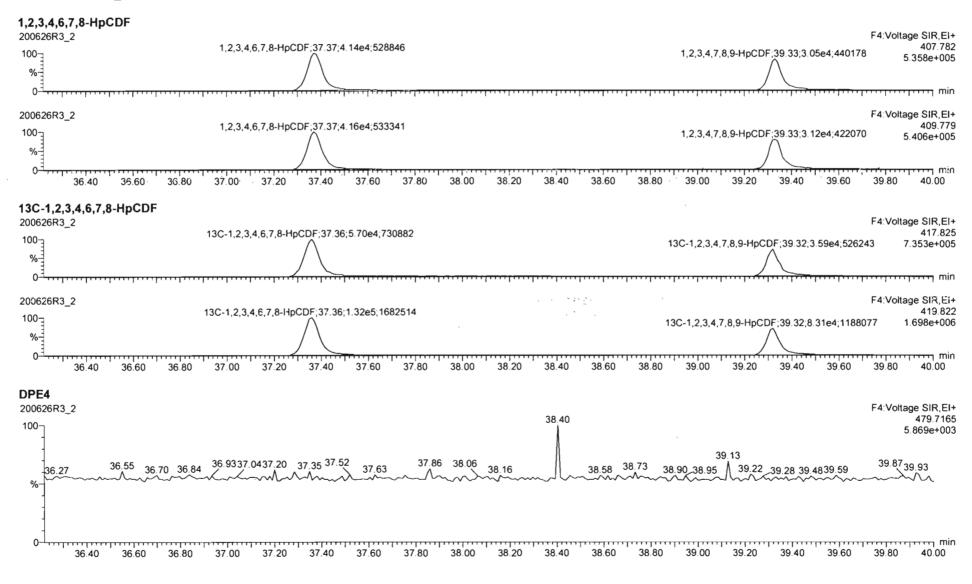
Last Altered:Sunday, June 28, 2020 8:43:31 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 8:43:40 AM Pacific Daylight Time

Name: 200626R3_2, Date: 26-Jun-2020, Time: 22:25:00, ID: ST200626R3_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

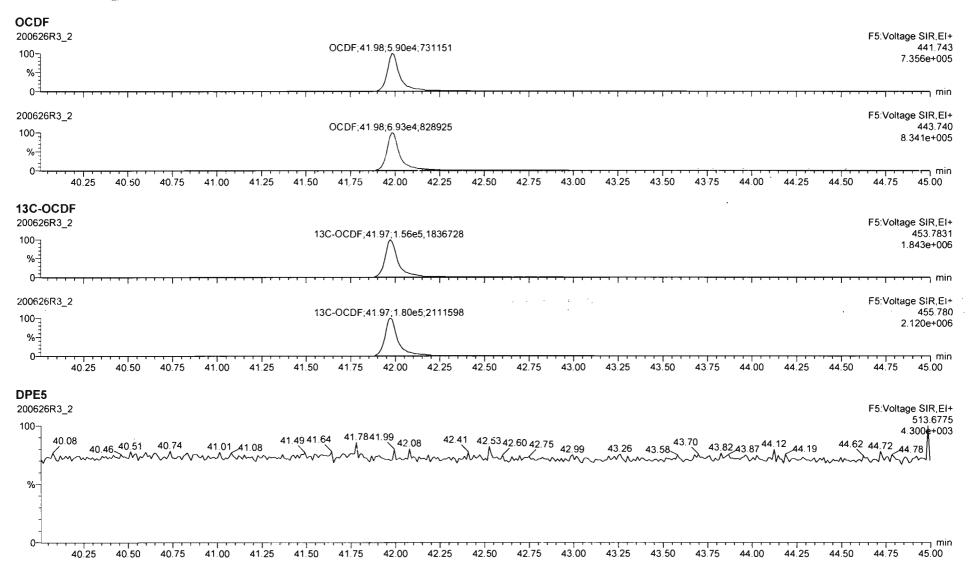


.

Dataset: Untitled	
Last Altered: Sunday, June 28, 2020 8:43:31 AM Pacific Daylight Time Printed: Sunday, June 28, 2020 8:43:40 AM Pacific Daylight Time	



Quantify Sam Vista Analytica		Page 12 of 13
Dataset:	Untitled	
Last Altered: Printed:	Sunday, June 28, 2020 8:43:31 AM Pacific Daylight Time Sunday, June 28, 2020 8:43:40 AM Pacific Daylight Time	



×

File Edit View Display Processing Window Help ☞ ■ ← 산 □ □ 및 및 +0 0+ + +> ↔ + + | + = X □ □ □ □ □ □ □ 0 ● ♥ ⊟ □ ● ♥

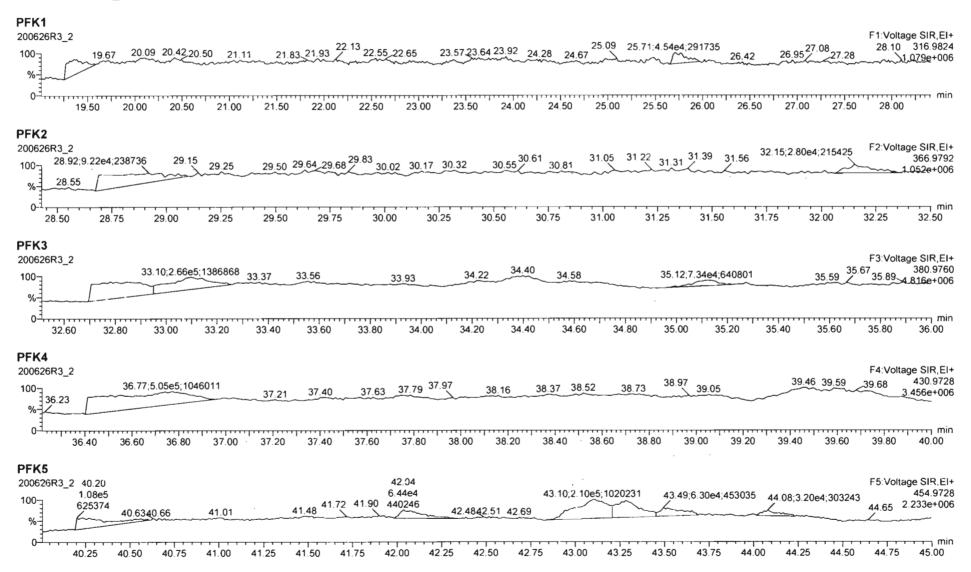
										2000	2063_	2-314	00020	R3_1 1613
1	Name	Resp	5 Resp	Prec RA RA	ny	RRI	Pred RT	RT	RTFing	Pred RRT	RRT	Conc	S.Rec	STD out
1	1 2.3.7.6-7000	4.28e4	4.98e5	0.77 0.74	ND	0.85		26.48	NO	1.001	1.001		96.7	NO
2	2 1,2.3.7.8-PeCDD	1 4845	3 45e5	0.63 0.81	NQ	0.90	81 31.46	31 45	NO	1.001		47.2	64 d	NO
3	3 1.2.3.4.7.8-HxCDD	1.0445	2 15e5	1.24 1.22			34 34.84			1.000	1.000		93.6	NO
4	4 1,2,3,6,7,8-HxCDD	1.19e5	2 8145		ND			34.94		1.000	1,000	47.6	95.2	NO
5	5 1.2.3.7.8.9-HXCDD	1.03e5	2 4445	1.24 1.21				35.23	NO	1:000	1 008	47.4	94.9	NO
6	6 1,2 3,4,6,7,8-HpCDD	6.99e4	1.63e5	1.04 1.04				38.79		1 000	1 00 1	47.3	85.8	NO.
7	7 0000	1 3465	2.97#5	0.89 0.88				41.50		1.000	1.061	98.8	95.8	NO
8	8 2.3.7,8-TCOF	4.39e4	6.30e5	0 77 0 73				25.59	NO	1.001	1.001	6.20	92.9	NO
9	9 1,2,3,7,8-P+CDF	2 99e5	5.10e5	1.55 1.54				30.17	ND	1.001	1.001	46.6	92.0	NO NO
	0 2.3.4.7.3-PeCDF	2 1745	4.8745	1.55 1.53		1 1 1 1 1 1 1		31 15	NO	1,001	1 000	46.3	92.7 94.7	NO
	1 1,2,3,4,7,8-HxCDF 2 1,0,3,6,7,8-HxCDF	1 16e5	2.77e5 3.22e5	1.24 1.20		- and the second		33.96		1.000	1.000		94.6	NO
	2 2 3 4 6 7 8-HxCDF	1.35e5 1.26e5	2.74#5	1.24 1.18				34.68	-	1 001	1.001	49.1	98.3	NO
	4 12:37.8.9-HxCDF	8.9064	2.24#5	1.24 1.21						1.000	1.000	35.7	913	ND
	5 1.2 3.4 6.7.8-HoCDF	8.30e4	1.89e5	1.04 0.99						1.001	1.000		100	NO
	6 1 2 3 4 7 8 9-HeCOF	6 1784	1.1945	1.04 0.98						1 000	1.000		102	80
	7 OCDF	1 2945	3.36e5	0 85 0 87		0.80				1 000	1 000	95.4	95 4	NO
	8 130-2 3,7 5-1000	4 98e5	4 28e5	0.77 0.78						1.026	1.025	101	101	NO
	9 13C-1,2,3.7,8-PeCDD	3.45e5	4.28e5	0.63 0.62				31 44		1.227	1,218	95.4	95.4	NO
	6 13C-1.2.3.4.7.6-HxCDD	2.15e5	2.7365	1.24 1.28	_	0.77	90 34.83	34 83	NO	1.014	1014	101	101	NO
ti i	1 13C-1,2,3,6,7,8-HxCDD	2.81e5	2.73e5	1.24 1.27	ND	1.01	67 34.94	34 93	NO	1.017	1,017	101	101	NO
	0.2 1912/305 5120062063, (1	10 I) (CU 1 #	2365						14700000	OCDF 411				1 - 11 - 14 C
6.761	8				10,11				10000					
3 (28	TH 2505 ST00005801 (1	103 (2011)	12:368						22					
									130	0-0CDF:41	A7 1559	12 50,18	35728	
1.00		del antes	Section 1		1.0	11.000		C. Y. S.				1.1.1	1.11	La a de Xana
	1,2 19(2)06:\$1000624RJ_1 (1513 CS3 100	12305						130	C-OCDF 41	97,1604	81 50 21	11598	
												-		
; 1	other and the second second second	5 8 P 1 2 8 8 8 8 8 8				1.1.1.1.1	The state of the s		111111					1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2
÷ 1	40.20 40.40	40-60	40 80	41.00	4	1.20	41.40	4	1.60	41.80	42.00		42 20	42:40

8 N

Quantify Sample Report	MassLynx 4.1 SCN815
Vista Analytical Laboratory	

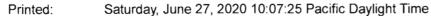
Dataset: Untitled

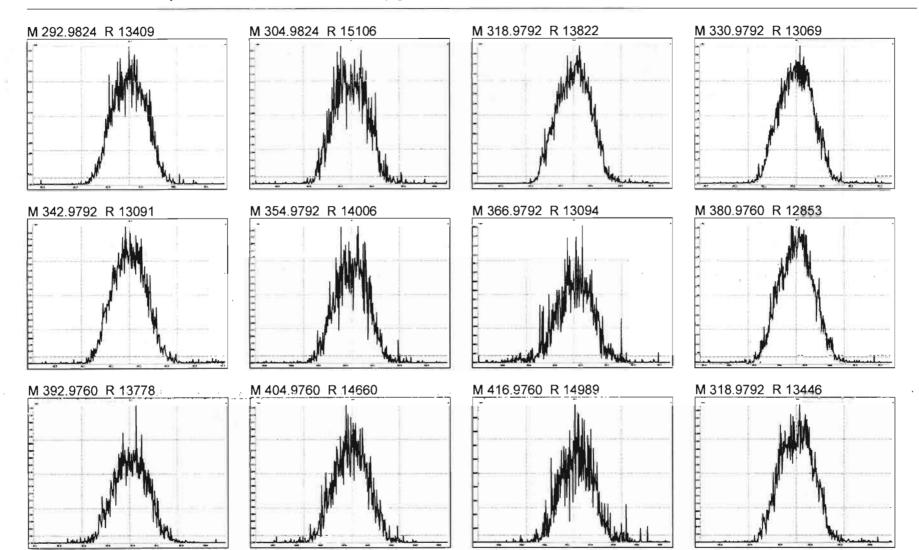
Last Altered:Sunday, June 28, 2020 8:43:31 AM Pacific Daylight TimePrinted:Sunday, June 28, 2020 8:43:40 AM Pacific Daylight Time



MassLynx 4.1 SCN815

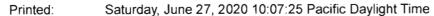
Page 1 of 4

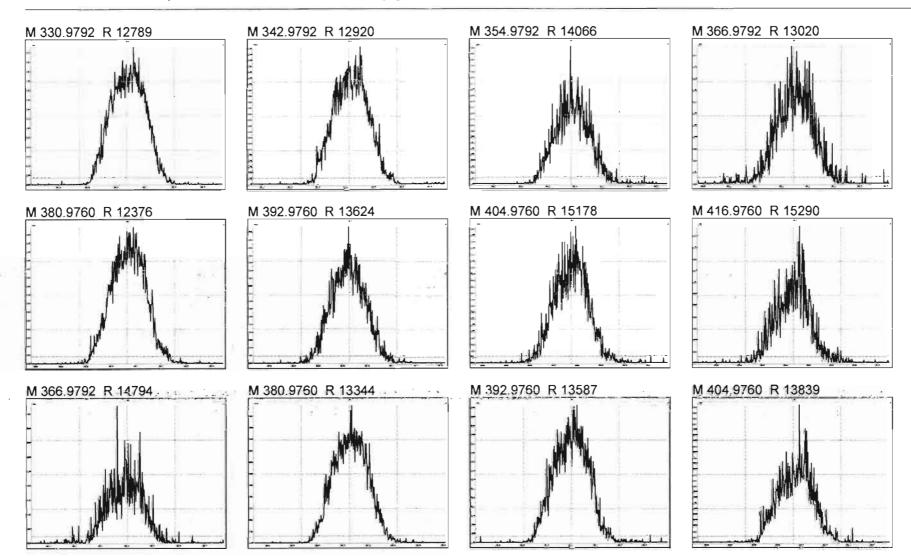




MassLynx 4.1 SCN815

Page 2 of 4



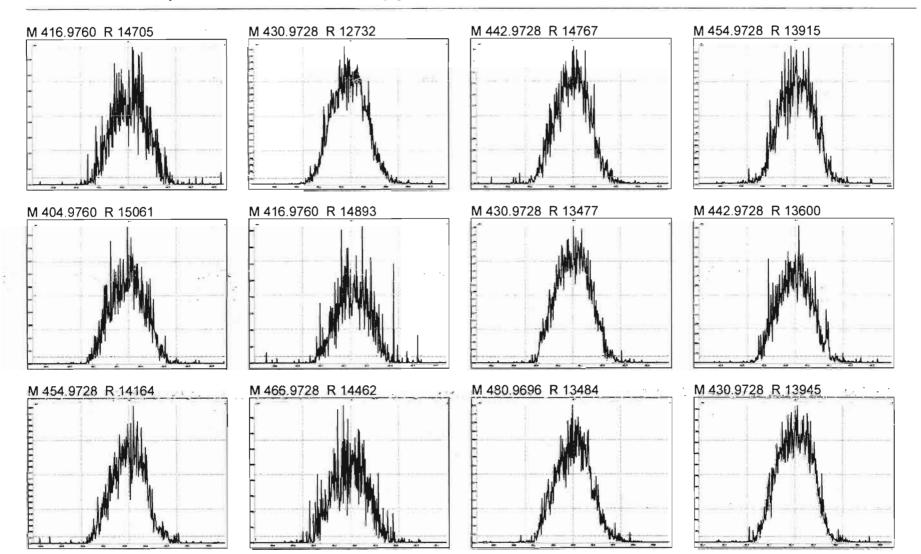


Resolution Check Report

MassLynx 4.1 SCN815

Page 3 of 4



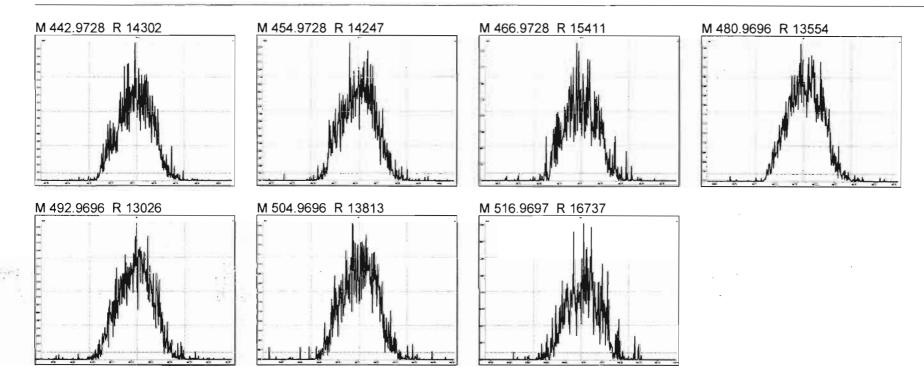


Resolution Check Report

MassLynx 4.1 SCN815

Page 4 of 4





The second state of the second st

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calbration ID: ST20062821-	_	R	eviewed By: <u>C7 06/29/2020</u> Initiais & Date		
End Calibration ID:NA			Initials & Date		
	Beg.	End		Beg.	End
Ion abundance within QC limits?	V	NA	Mass resolution >		~
Concentrations within criteria?	\checkmark	ф	□ 5k □ 6-8K □ 8K 🖾 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	1		Intergrated peaks display correctly?	V	NA
First and last eluters present?			GC Break <20%		
Retention Times within criteria?	1	Ċ,	8280 CS1 End Standard:		
Verification Std. named correctly?		\Box	- 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:		x
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	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	07 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	NО
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: 200628R1_1, Date: 28-Jun-2020, Time: 10:25:29, ID: ST200628R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# 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

	Name	ID	Acq.Date	Acq.Time
1	200628R1_1	ST200628R1_1 1613 CS3 19L2305	28-Jun-20	10:25:29
2	200628R1_2	B0F0202-BS1 OPR 10	28-Jun-20	11:11:44
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-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
15	200628R1_15	B0F0202-DUP1 Duplicate 13.64	28-Jun-20	21:12:13

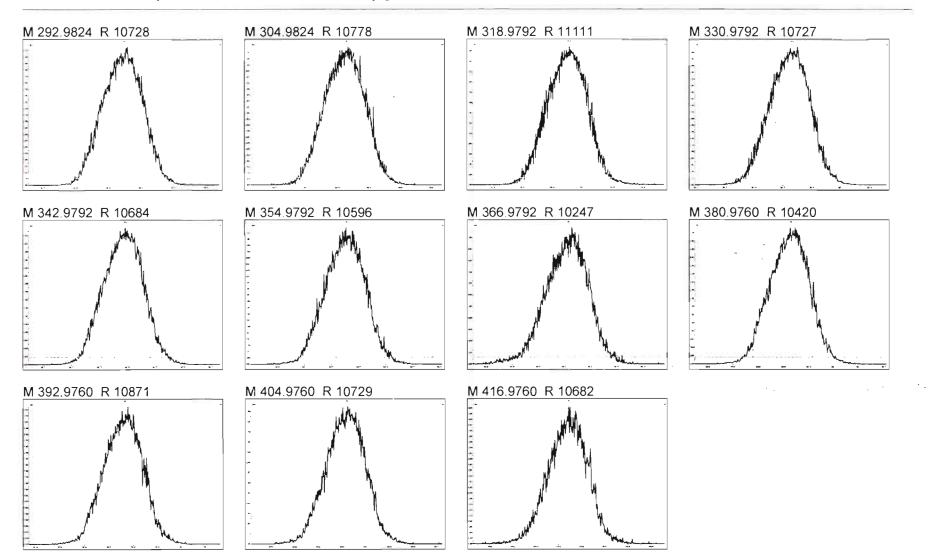
Page 1 of 1

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



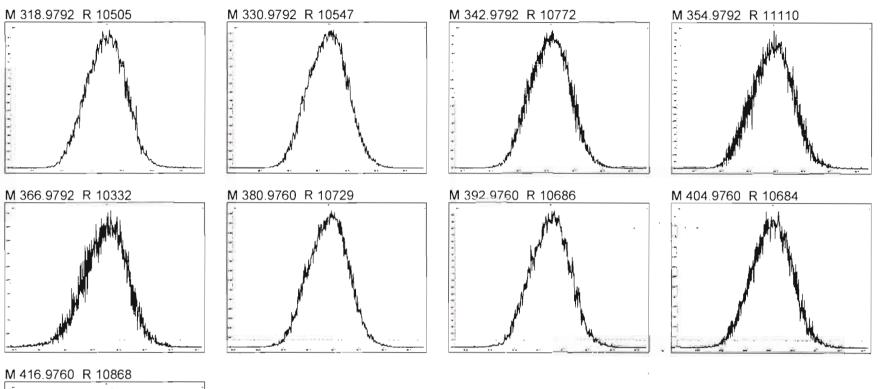
MassLynx 4.1 SCN815

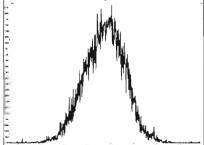
Page 1 of 1

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

Printed:

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



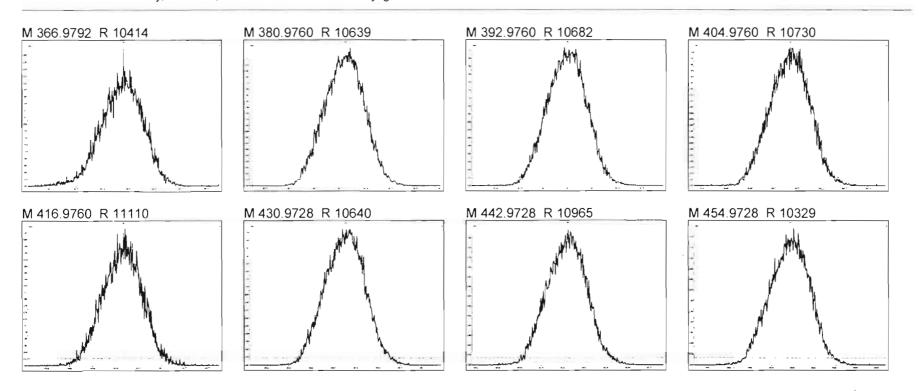


MassLynx 4.1 SCN815

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

Printed:

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



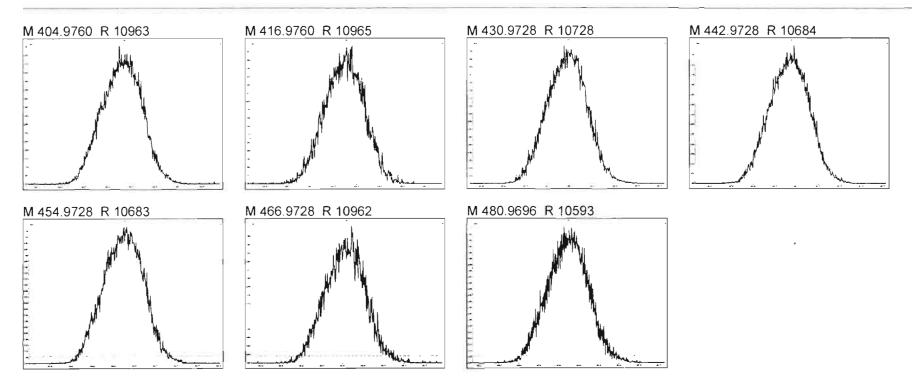
MassLynx 4.1 SCN815

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



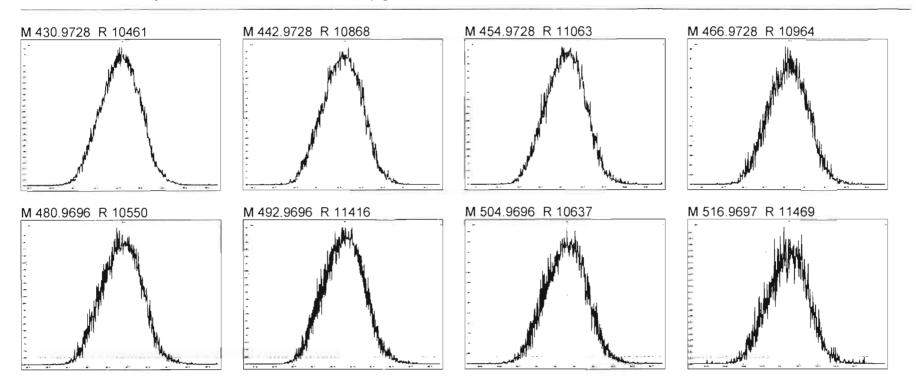
MassLynx 4.1 SCN815

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



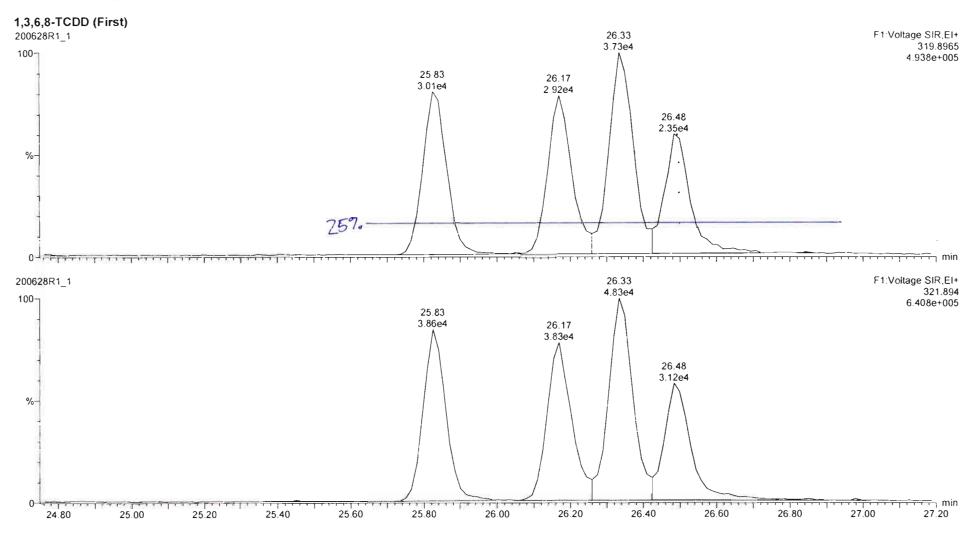
Quantify Sample ReportMassLynx 4.1 SCN815Vista Analytical Laboratory VG-11

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

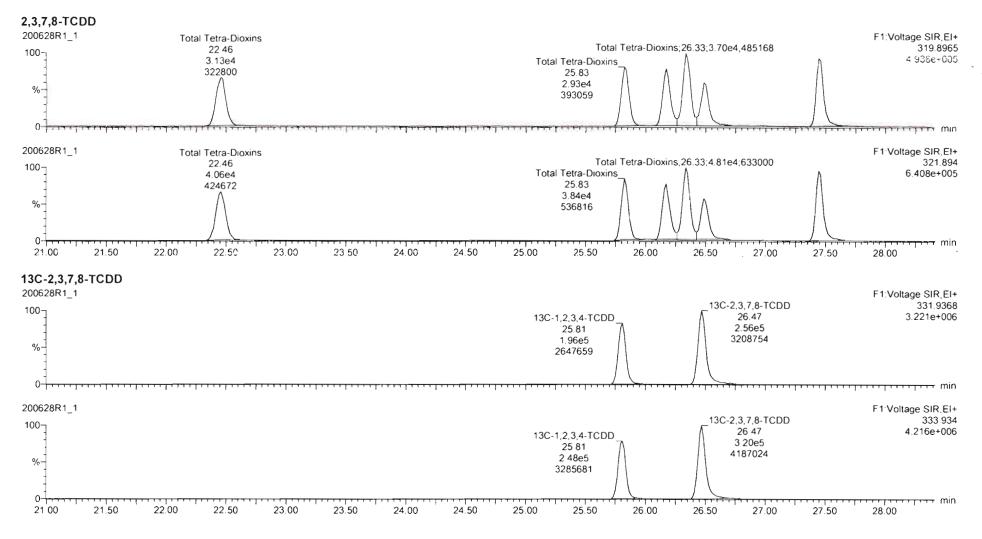


Quantify Sam Vista Analytica		Page 1 of 13
Dataset:	Untitled	
Last Altered: Printed:	Monday, June 29, 2020 06:43:54 Pacific Daylight Time Monday, June 29, 2020 06:45:52 Pacific Daylight Time	
		· · · ·

· 9.

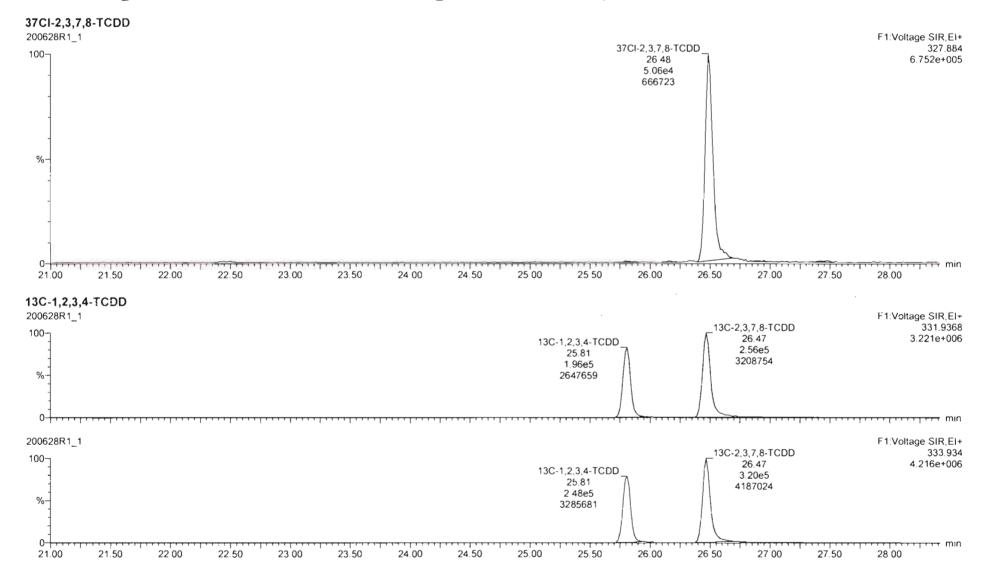
Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

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



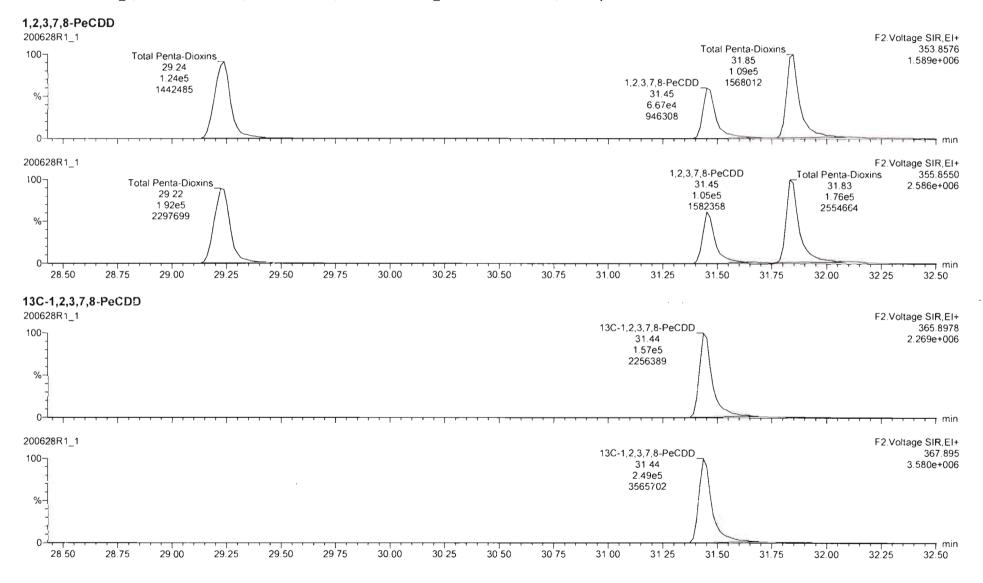
1.00

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	



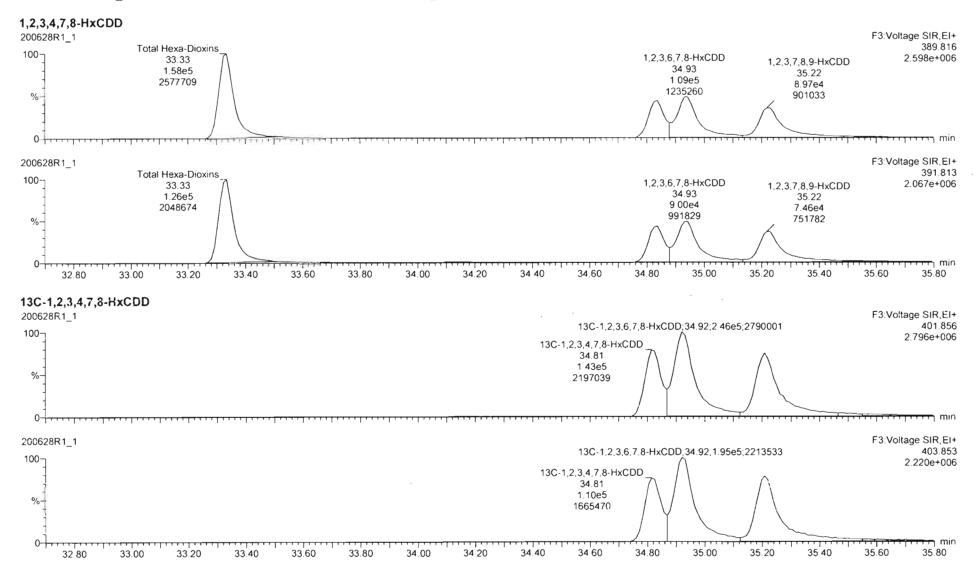
Work Order 2001132

Quantify San Vista Analytica	• •	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 2001132

Quantify Sample Report Vista Analytical Laboratory		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	



														R1_1 161	
Name	Resp	S Resp Pr	ed RA						RT Fing	Pred RRT	1 000	Conc	HuRec.	STD put	
130-2378-7000 130-12378-FHCDD	4 05ef	4 = 265		1.63		0 2 490			- 10	1 1 22*	1215		105	1.	
13C-1,2,3,4,7.8-HxCDD	2 55e5	3.78e5		1 25		0.7790			NO	1.014				NC	
120+1216 18-5+CDD	4 4265	T teet	174		10	1.2167		14.95	1.3	1 417	1217	++=	++4	- (v)	
130122755-nd20	172#f	3 71.04		+ 58	10	1 1227	22-21	25.	1.2	1014	1215	244	5 . H.	5 G.	
130-1234678-M6000	2 43e8	3.7565	1.04		162	L 6891	58(75)	30 "E	1.0	1.021	1125		93.5	16	
10:0000	2 "Beš	2 75e5	0.85	2.22	N2:				100	1,215	124		87.1	Te	
1164 T 13-162P	5 2241	1.505		1.73	N2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14.24	12.14	43	2.925	1 188		115		
130-12378-PeCDF 130-23478-PeCDF	5.2465	8 28+5 8 28+5	122	1.82	1.2	0 1 165		27.15	N2 N2	1 1212	1 207-		11	- 41 - 44 - 14	
120-1 1 2 4 7 8-HCDF	1 12e5	3.7548		0.50	N5	12275	23.95		N.I.	0.989	2.989		92 1	11	
136-12.7.5 * 8-H-CDF	f 10ef	2 75ef		111	14				0.2	0 851	1 262			. h.	
130-2.3:47.78-HxC0F	4 2 me 5	3 75e5		5.5.t	N2		24 #4			1 853		111	210	6.	
130-121210596-008	53765	2.754	6.51	ご注1	No.	2 3 5 6 5	16.65	35 6.*	1 NO	1 \$25	1.036		97.6	1 NG	
100-1234678-HpCCF	1.75e5	7.7865		7.47		0.2445		17.24	401	1 995	1.067		303	<u>n</u>	
130-12.2 4 T 8 9-Hp30F	195e5	3 75e5		0.42		0.5210			45	1 145	1 145		141	N	
130-0004	1.114	3.7545	0.89	0.M	NO:	1.0368			NO	1 221	1 221	391 11 C	97.3	10	
370-2378-7000	4.4365	4 4365	1.00	0.75	12	1 2060	-		10	1 023	1 000	the second se	100	N	
130-12-34-TC00 130-12-34-TC04	6 2645	e 26et		2 +2		1 2260			15	1 000	1.000		152	11	
130-123489-H-COF	1 73ef	17245		0.82	110		34 42		NO.	1.000	1 050		100	-13	
ère a														430	()4/92
											32 94	34 07			97 E T
a ta benacent i										1	13 84	34.06			127

1 20100-1

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

File Edit View Display Processing Window Help

10.00

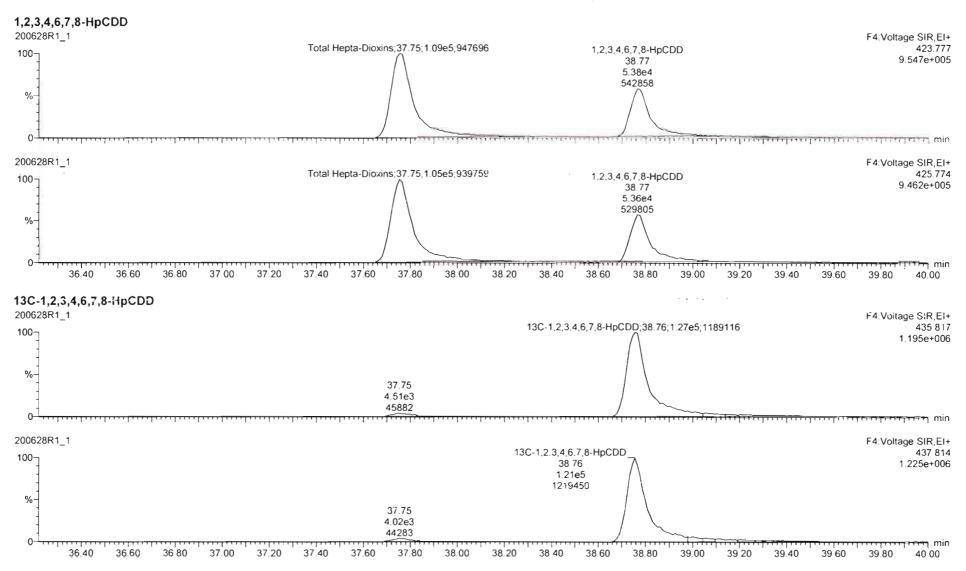
the second state of the second stream

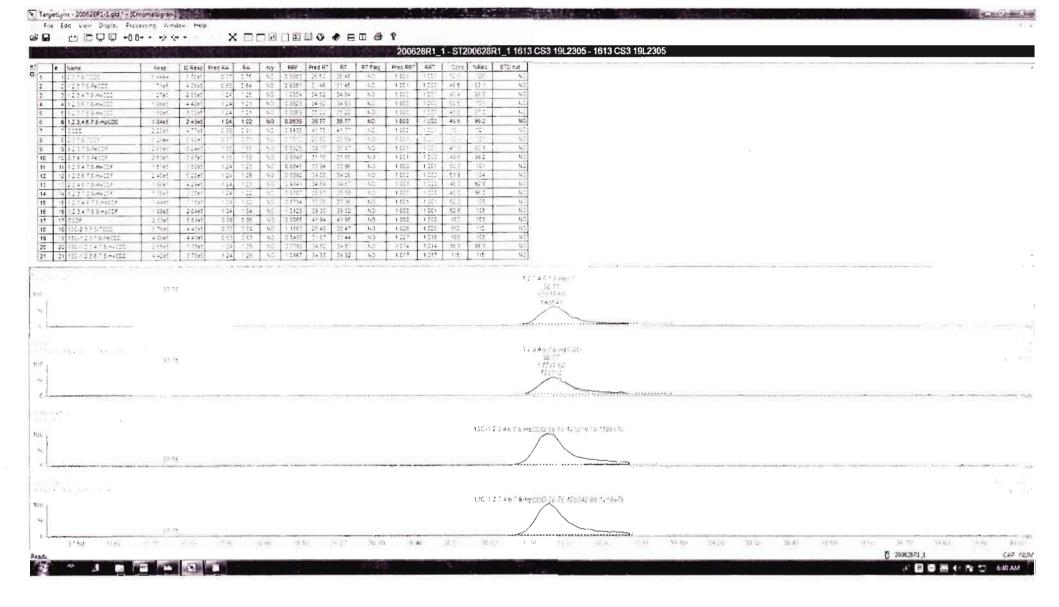
J. 1

											2006	128R1	1 - ST2	200628	R1_1 1613 CS3 19L2305 - 1613 CS3 19L2305	
	Name	Resp	SRes	C Free RA	E.A.	6/y	RRF	Prez RT	R7	RTFING	Pres ART	RRT	Cana	.Rec	STD evi	
3	1278-122	1 4484	1 764	£	1.475	14	0.8822	1.44	28.48	140	1.001	1.001	가는	105	-50	
:	12278-94000	1 Ties	4 06a	6 0 63	. 0.64	195			21 45	140	1:001:	1 200	46.5	19310	N0	
?	1.2.2.4.7 8-HACCC	2951.70	2 ::: •	創一 (1)	125	1991	1 0334	14.82	34.54	5,0	1 000	1.001	42.4	519	10	
4	123678-HX200	3945	4 420	124	1.121	112	0 7923		34.93	183	1 002	1 365	515	4.5	40	
5	1,2,3,7,8,9-HxC00	1.6065	3.726	5 124	121	NO	0.8869	35.72	35.22	NO	1.000	1 000	48.8	97.2	04	
1.4	103487844000	2745	1.456		0.0		3.26.26	31.22	32.27	14.5	1.000	1.300	1.61	122		
11	0000	2 20ef	4776	t 0.39	1.63	- 65	3.9336	- 175	31.77	110	1 000	1.335	101	17.	16	
- 30	2.2.7.8-100F	14 28e4	1 949	8 6 m	1.5%	1.2	18,7512		25.14	42	1.001	1.544	10.5	54.4	<u> </u>	
3	111375-ReCOR	2.85e5	5.24	1.84	1.61	1.143	0.5425	12.15	30.1.*.	NO	1.001	1:001	47.8	55.1	hD	
10	2.3,47.3-94035	2 = 3 # 1	1.5.76	1 55	- 3	63	3,9342	31.16	31.10	NŐ	1221	1.500	39.6	96.2	NC.	
11	1.2.3.4.7,8-HKCOF	1 17e1	2.526	5 124	523	N.C	0.8345	12.64	12.96	NO	1 000	1.003	50,3	1.15(1)	NO	
11	1 2 3 6 7 6-HxCCF	2:40+5	E 20e	124	1 29	162	0 5892	24.28	34.08	142	1 000	1 200	51.5	124		
10	2.54678-04008	1 95e1	4.254	4 124	1. 241	Sit	-19341	14.55	34.67	30	1001	1.203	48.2	12.6	N.2	
14	1.2.3.7.8'9-MxCCF	1 3565	. 222	8	11	60	10761	12.61	39.95	50	1000	1.000	42.5	96.0	NC.	
115	1.2 3 4 6 T 5-M0CDF	4465	2.150		1.62	140	19734		25.36	112	1.001	1.001	112.7	105	10	
16	1 2 3 4 7.8 9-maCOF	1 05e5	2 2 4	5 1 94	1.04	110		24.10		1.0	1 000	1 201	52.6	125	04	
17	¢co₹	-2 33ef	E E I e		68.2		-	41.64		- NŐ	topp	1 000	102	103	115	
1.5	130-2375-7000	5.7665	4450	8 _ 0/27	1.111	-		18.46		(NO	1-625	1:028	112	112	10	
1(5	13C-123-8-Peccc	- 3685 E	4.436	5 0 63	0,62	NO.	0 \$490		31.44	150	1.227	1,236		128	10	
20	130-123478-MXCDD	25565	3 784	ē 124	1.29	167	0.7790	74.22	34.51	(60	1014	11,214	3.56	26.5	24	
21	130-123678-44000	4 4265	1714	4 124	1.35	142	10161	24 12	34.92	50	1.017	1.017	115	116	NO	
									34	140	,				121274.944.000 24.02 87380.38 960112	
							100									
. 1															122789-4+CDD	
	Roll (ALC: ALGK23R)	ND SHOP	2 III.												35.22	
								14	84	349	3				72540.3*	
															7508(1	
1																
ř																

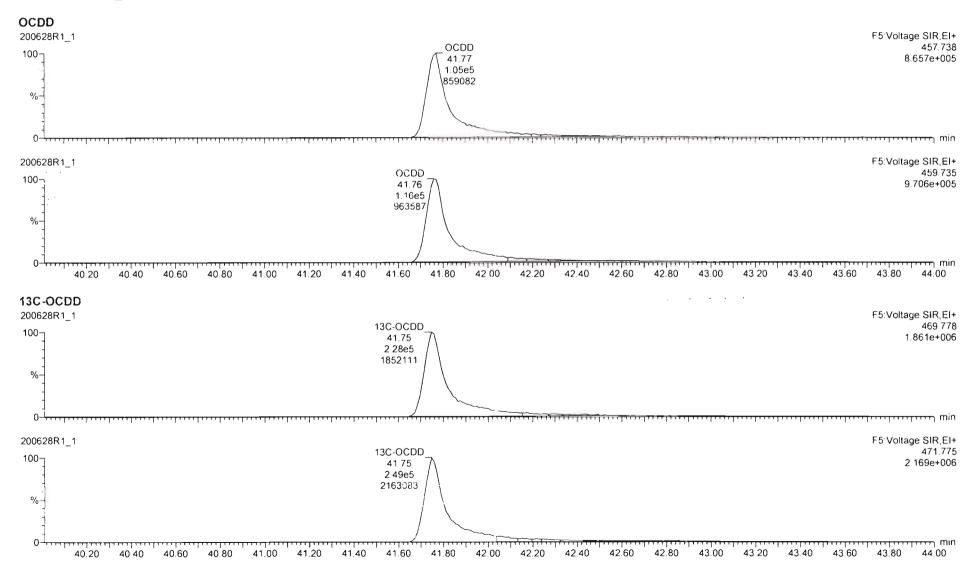
195 6	34.61	34 97		200	17.8.9 HACDE 19.21 1786 94 94293	<u></u>	~							-i-i
100 50	14 51	34 02		3 165	7504+CDC #21 339569 17202									• •
ra st Datan Data valit Reads	4 ⁶ . 94 6.	- (9) ·	8.42		20 35.00	L.	р. ун	15-61	*.29	:* . aq	29 W.	116.105	si 1 0	CAP NUM
												÷ 👩 👽	🐺 🕪 🖪 🙄	6:39 AM

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

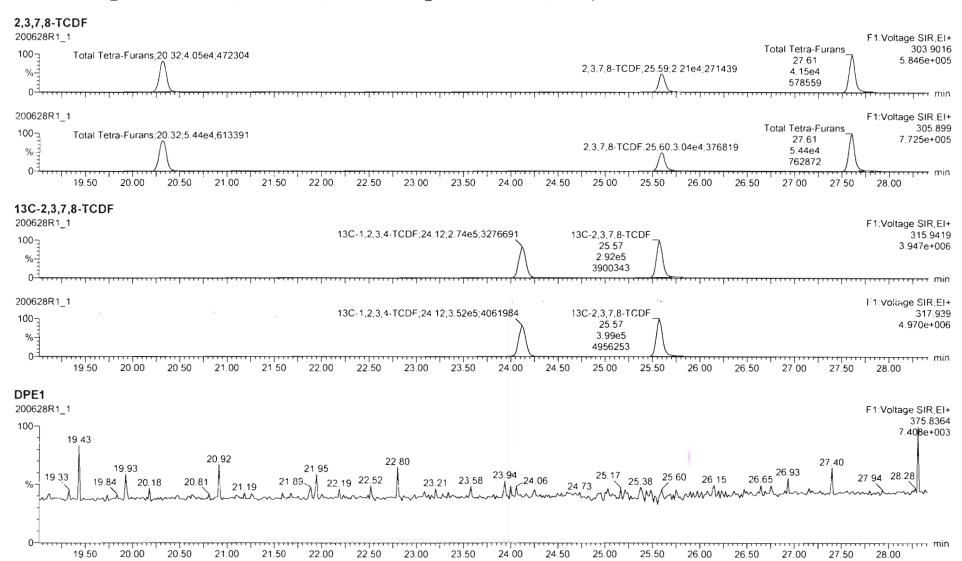
-		Name	Resp	S Resp	Pret RA	R4	0/2	RRF	Pred AT	RT	RT Flag	Pred RRT	RRT	Conc	5.Rec	STD out
1	1	2228-002	1 4444	1 76e5	6 37	2.15	1022	2.5583	26.60	28.48	140	1.001	1.001	に同	9	NC
2	:	12378-96000	7165	4 C6e5	2.67	0.84	152	7.8081	2 48	31 45	163	1.001	1 000	46.5	\$7.0	N\$
3	1	102418-HACED	1 27e5	25545	124	25	1.12	1 2 2 2 4	14-22	34.54	10	1 833	1201	41.4	. 紙子.	140
4		123678-H-CEC	195e5	4 42 tf	1.24	121	1.5	2 6623	14 14	34.83	10	3201	1332	121		
5	1	11117556.000	1 60e4	1.5245	1024	101	1.5.2	1.1361	15.11	36.22	. NO	1.022	1.111	491	17.24	142
6	. 4	1.2.3.4 € 1.8.+0000	10465	24345	1.04	102	1943	23675	3877	28.77	.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	ND-
÷	1	A1276460F	1 45.05	614ef	1.55	135	14.2	0.1921	20.17	30.17	115	1001	1001	42.5	ALC: N	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	199.2	N)
11		123418-44228	15765	1.52et	124	123	1.62	0.8845	32.54	12.96	140	1.000	1001	12.2	1.12	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	34	N2
13	1.3	2048 T 6 HLCCR	1 1641	4 29et	124	128	60	\$ 5341	14.65	34.67	NO	1,001	1 200	€ E:]	12 E	112
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	191°C	ND.
15		1:748 "E-MODE	* 44e5	21946	1.04	1.52	1.4		27.36	17.36	- NO	1.001	1231	47.+	÷41	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	10042-17-5-7000	1 76e5	4 43e5	6.77	¢ 60	150	11562	21:45	26.47	N.O	1,026	1.028	112	112	NO
19	115	135-1 2 3 7 8-PeCDG	4.0545	1 = 365	0.63	282	1.3	0.5490	12182	31.44	trD.	1.227	1218	101	102	110
20	20	130-1 2 3 4 7 8-HXCDD	2.5545	1 ?!et	1.24	1.29	14.51	0.2760	34 82	34.81	40	1.014	1014	94.6	16.4	80
21	21	130-1 2 3 6 7 8-H4CDD	4.42+5	1 72+4	1 2 4	1.26	65	10167	34.93	24 92	NO	1.017-	1.012	115	115	NQ

	XCDD 41 77 100100 00 607114	
-10 (201	CCDD 41 76 115598 18 963557	· · · · · · · · · · · · · · · · · · ·
100 6		
10C %	11C-OCDD:41.75 724398 23 1854 115	
C (2011)	11C OCDD 41 75 254110 92 21697 18	
	<u>4200</u> 4, 50 4160 2120 4160 4160 4160 4200 42 50 42 60 40 40 40 40 40 40 40 40 40 40 40 40 40	a a b b a b a b a b a b a b a b a b a b
Repti		

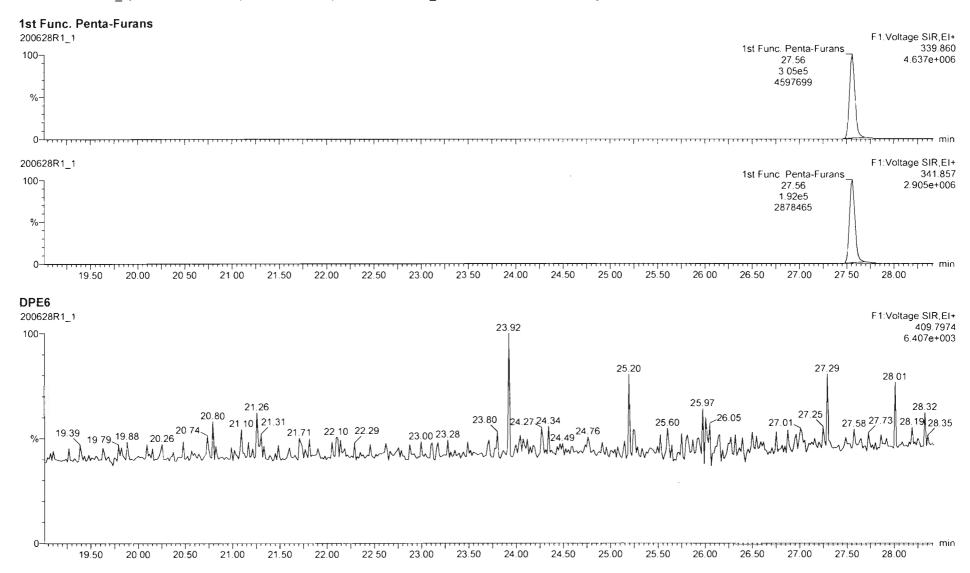
Quantify Sample Report	MassLynx 4.1 SCN815
Vista Analytical Laboratory	

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

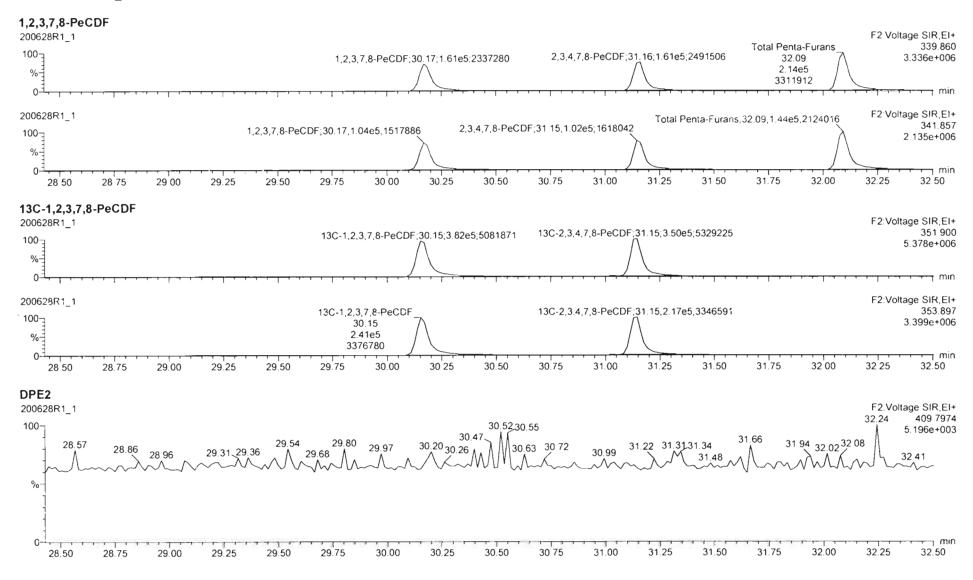


Quantify Sam Vista Analytica		MassLynx 4.1 SCN815	Page 8 of 13
Dataset:	Untitled		
Last Altered: Printed:		29, 2020 06:43:54 Pacific Daylight Time 29, 2020 06:45:52 Pacific Daylight Time	

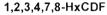


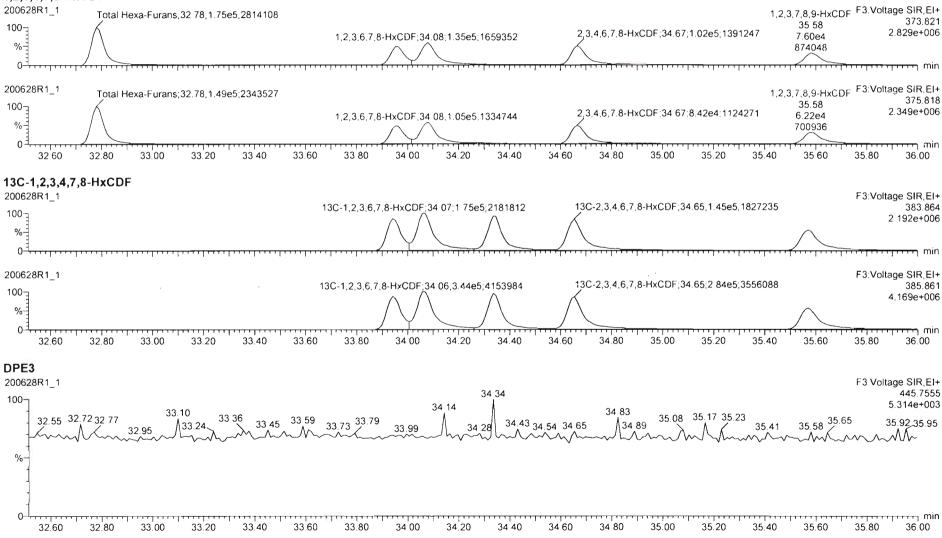
Work Order 2001132

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	





							1.2		_	2000	20111_	1-012	.00020	R1_1 1613 C			
e hame	Resp	SResp	Pred RA	RA	r⊮y	RRF	Pred RT	RT	RTFILS	Pred RRT	RAT	Conc	SRec	STD out			
1 2078-200	24484	1 :Sel.	C 77	1.75	40	0.8883	16-50	25.45	N=	5.001	1001	16 € I	13	- 12.7			
0 12318.Pet00	" 'e!	4 DEeE	C 63	1 644	140	0.9081	1.4	3145	10	1.021	1000	48.5	-1.25	140			
2 1 2 2 4 7 8-m+CEC	27e5	1111ef	1.24	1.16	10	1 2234	14.85	14.54	45		1.001	1.4	3.16	NC.			
4 12367.8-HscIII	* 99#1	4.4265	1.24	121	10	0 8923	14.52	/34 55	10	1010	1 300	15050	11410	NG			
E SERVICE HALLS	"ECe*	3.7285	1:24	1.24	102	0.8363	135 22	35.32	3.0	1.532	1.265	48.1	1725	1.5			
8 12 3 4 5 T 3 + 0CDC	5465	2,2245	1.94	1122	190	0.5839	38.11	32.00	15	1.555	1 200	1.1.1.1.1	24.2	63			
7 6 000	2 7646	4 (Bet)	03.3	12.87	100	0.9136			1.2	1.225	1.321	1 Y. T	1.125.5	622			
8 2.3 7.8 7224	15 CRe-	1.57+0		2.72		0.7510	11.60	25.55	160	1 22.9	: 16*	0.000	01	14.0			
111373 Pects	16541	6.5465	1 53	1.16	NO	0.5525	30.17	2017	240	1.651	1:301	418	36.1	h C l			
10 23 4 7 3 PHODE	2,6345	1.6764	1.55	33.1	NO	0 9348	21.19		NO	1.001	1.000	42.5	492	140			
11 1 2 3 4 7 8-HILCOF	1 5 Te5	2.6264		1 23			32.94		140	1 000	1.001	101	1. 21	NO			
12 1 2 3.6 7.8-HxCDF	2.28e5	5.20e5					34.08		NO	1.000	1.000		98.9	NO			
19 2 2 4 6 7 8 Hulls	18645	4 254!		1.21		09341		34.57	ND.	1:001	1.203	134	5. C.	14:21			
14 1 2 3 7 8 SHACEF	1.3281	C STAT		122		0 3 707		18.00	NO	1.000	1 255	1 48.5	910				
15 1 5 3 4 8 1 8 HeCC*	1445	·		1 02			32 **		4.0	1001	1:201	1223		5°			
18 1 2 3 4 7 5 5 - 0001	Ibe!	2:401		1.54			29.95		NO	1 000	1 301	92.6	::	NO			
17 0.00#	2 2345	4 etet		0.86			41 94		N9	1.000	1000	10	127	ND:			
1E 125/2.3.7 S-TC30	6 75e3	4.42+5					28.49		60	1 025	1 326	112	115	NC.			
19 130 122 18-FLCCC	4.05et.	4.4348					21.67		10	122*	1 215	108	108	NO			
20 120-1 2 7 4 T 8-HACOD	2.5565	1.7844		1.29		0 7750		34 81	0.3	1.014	10014	2.52	28 5	740			
21 1360 236 7 5-HACDD	4 42 65	3.75#5					34 92		160	1.017	1.017	THE'	115	145			
									_		- 14		82 21		32.07	÷ : \$	
10.0111												3-6-7-6- 34-94 103682	34				
										19	95	\sum		terres and a	34 57	58.94	
								•									
										150 1 2 3 1	1844	\bigwedge		91718161(34)	34.65	15 AT	to
						,											- in
									1	30-1236	784001		144403 (09.41639843434	34 55	50 87	35
1.40 - 0.10 - 1.30	\$23) II	2.144		60 NH	10	40 3	250 3	60 22	N D	K III	0,14	1	31 31	20 41.10, u	1 - 11 - 12 - 14 - 14 - 14 - 14 - 14 - 1	или и и и да около скала и са и да и ум	0 26.10 % CAG

X D D D D D O Ø E D Ø ?

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

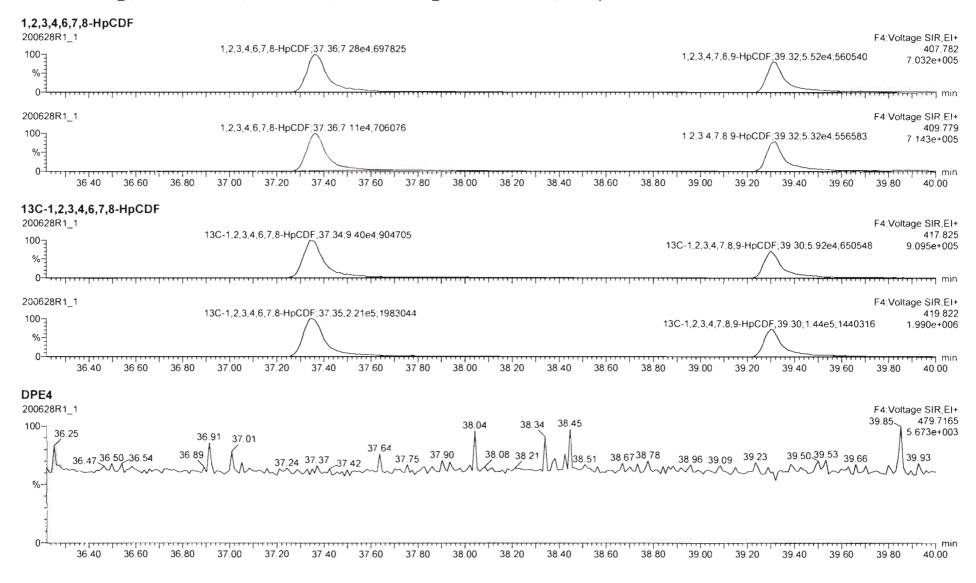
File Edit View Display Processing Window Held

and the state of t

										2006	628R1_	1 - ST2	200,628	₹1_1 1 61	CS3 19L2305 - 1613 CS3 19L2305
Name	Resp	IS Ress	Pred Ru	F/A	Ny	RRF	Prec R	67	ATFag	Pres RR	-	Cene	*kRec	STD out	
2178-1000	1 442			574	142	1.6283			tiğ	1001	1.001	110 E	106	6	
12373-Fe000	1716			0.54	100			31 45	71\$	1 2 2 1	-1 202		\$5.1	50	
1.2.3.4.T.8-HxCDD	1276				62			34.54	1.0	1 855	1.24	45 -	关专	10	
1111 E-MASS	1951				10	0.9923		3435	142	1020	1.225	414	317	h. 5.	
127789-M-522 1274578-M652	1 60+1				1.5	0.5839		18.24	103	1.000	1 1 222	4(8)	192	10	
6005	2 164			1.17	100			-1.7*	10	11 011	1	1.1	98.*	F.	
1111112	1.254				1.52	1.121		24.66	1.12	1571	1.2.441	12	1.1	1	
21*1-612F	7 (Sel			1.15		0.5528		10.14	35	1.00.	1.02	474	95.1	6	
11104000	2,656			142				21 16	50	11001	1002	15.E	96 ž	165	
4 T S-HXCOP	1576				110	0.8545		23.56	12	1,005	181	35.3	131	115	
111114-027	; 21e				45	0.0092			12	3.002	1002		58.5	11	
246 Bonatti	t Edel				140	0.534			1.0	1 001	1 003		92 E	50	
2.3,7 8.9-HxCDF	1.38e			1 20	NO			35.58	NO	1.000		49.9	99.8	100	
1918 + 601					N0 N0	0.8734			10	1.001	1861	122	105	143 143	
14189.0000 5	1 086			104 0.96	1.0	0 8065		41 34	10	1 000				140	
10-2 1 7 5-7000	1.138 5.76e			C-80	150	1 1 1 683			13	1.626	4.006		112	10	
C-12378-Pec					NO	0.5490	_	-	70	1::*	1 218	-	-08	- 60	
C111478-					1.40	0 774		-	63	10*4	1.514		2.5.4	he.	
2-121673-4					1.5	Cite?			. 1.2	1017	1 212		1.6	140	
	N.O.	· · · ·	9467												T2 S7 29 MICDF JE SE
										100.00					4240 N reduction
24). 4	Pr Kr		34 65												1:0 12:1 799 HEEF 36:57 1069:4:77 117en00
					0										

(* B 🗢 🚈 🔹 🏞 🗊 - 641,AM

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	



50

40

1001

1-000

1526

52 * 95 *

45 = 55.9

46.2 128

45/5

1.000 1.001 52.2 104

47.8 46.3

499 992

101

99.3

182

10

14

NO

240

110

NO

NC

110

NO

10

0.67 NO 09136 41 75 41 75

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

M #5

22.96

32.94

5334) 1488 348*

4.544

54745

3-4044

1 2245

1 7545

> 17e

1.98e5

3 4105

3 47.4

2 1645

5 28 e4

2.6545

28365

1.5765

1 1845

1.8645

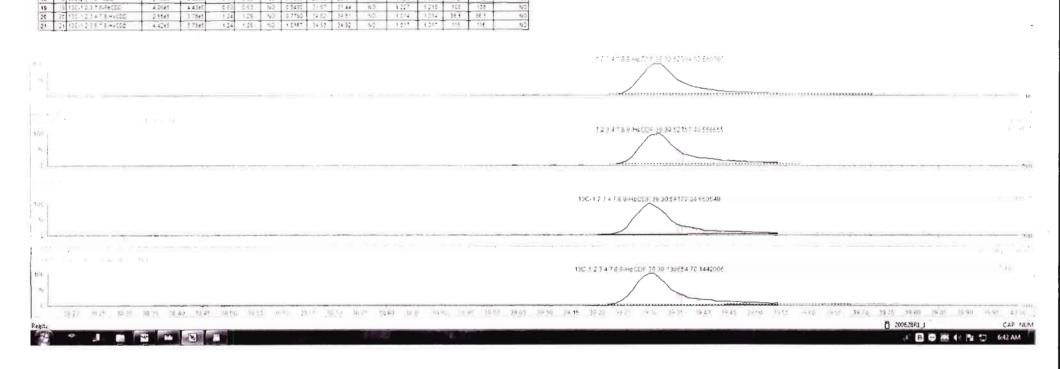
1. 15.64

1 6400

2 3345

e +2.06

1.05e5



1 0000 5 0.0 % 5.00 5 10 1 % 5.00 10 1 2 % 7 % 5.00 10 1 2 % 7 % 5.00 10 1 2 % 7 % 5.00 10 000

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 HBCCF

14 14 1.1 1 1 Set (CP

16 16 1.2.3.4.7.8.9-HpCDF

10 196-23773-700

0006

7

0

10

11

12

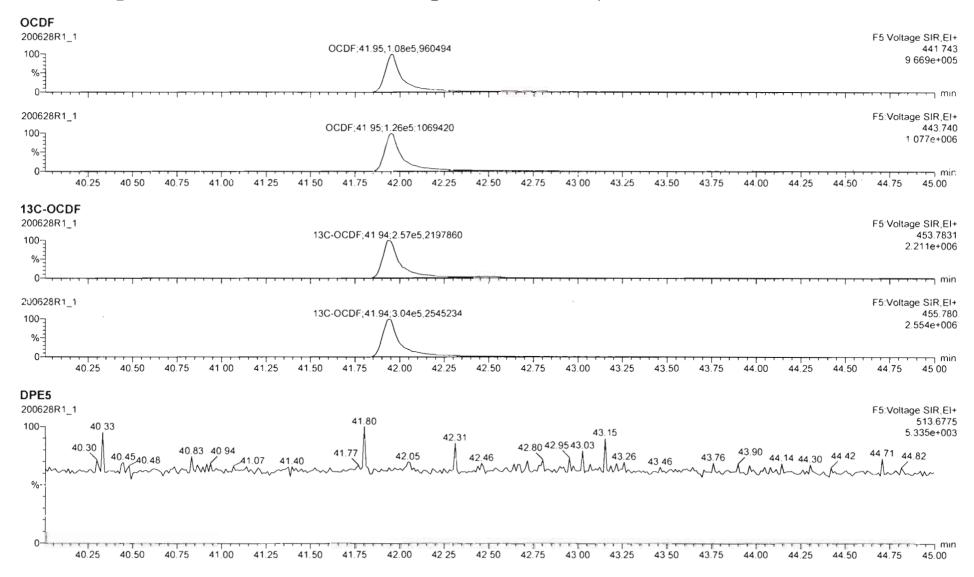
13

15

17

18

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	R4	ney	RRF	Pret RT	RT	RTFING	Pres RRT	RRT	Conc	SRet	STD out
1		2.2.74/1020	1 ares	1.7Ee5	2.27	-510	102.	13581	1042	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	2:48	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	24.12	34 54	50	1.000	1.0210	48.4	×4	- 00
4	4	1236 * S-HxC0C	35e3	4 4.10	17.54	2,7,1	T+=	0.8923	76 20	34.51	1.2	1.000	1.000	111	18	1.
¢		12316590000	1.6065	2.7285	1.24	11.24	- 75-2-	2.9369	11.1.	8.11.	62	1.000	1.000	121	154	- 40
6	÷	11114 TERECOL	1:0465	24365	16 24	: 32	No.	0.663.6	11.35	22.77	h0(1.000	1.925	45-	952	032
7	-	0025	2 56e5	4 7545	0.35	3.57	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	12:22	112	日本語語	注語	28.8%		1:003	195	二件注意	-	14
9	5	12375-Pe00F	2,6585	52445	- 現實美	* + 1.	145	12223	12.07	50.1*	63	1001	1.501	414	66.1	15
10	10	2.2 AT BIRECOF	2.6365	4.4745	l.cei	1.6.8	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	10282	345	0.8545	23.54	33 56	NO:	1,000	1.001	55.7	761	N.)
12	12	12.2.6 * 6-H400F	: the:	-51245	4.24	+ 24	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	1215	.43	5 6341	24.65	34 5	NO	1001	1.000	46.2	32.4	- 463
14	34	12378646627	12865	3 17e5	24	- 10	1.45	C/ETO?	26.61	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 J.	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	0.62	.NŪ	0.5490	7187	31 44	NQ.	1 227	1,218	108	198	10
20	-20	130-1123-1178-9-000	2 5565	2.2565	1.24	-19	1.0	2,7192	1942	52.81	40	1.014	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	34.35	34 92	NO.	1.017	1 017	115	115	60

104.5 1 - 14-1 0 -	DCDF 41 65 105573 46 951765	
306 -e	0CDF 41 9E 121444 09 1070390	
100	13C/OCCF #1 94 255170 80 2200404	
Reads	τα (68.66 30426 4.53 36.64 36.65 16.65 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.	P 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

PFK1 200628R1_1 100 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 26.00.26.08 26.96;3.79e4;553205 27.88.27.95 35	e SIR,EI+ 316.9824
1987 20.74 21.4221.69 22.04 22.36 (20.7) 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	
	e SIR.EI+ 366.9792 808 é+006
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	min 32.50
33.58,2.065,2058551 % 34.97 35.38 35.67 1.7	e SIR,EI+ 380.9760 794e+007
	e SIR,EI+ 430.9728 997e+007 min 40.00
	e SIR,EI+ 454.9728 957e+006

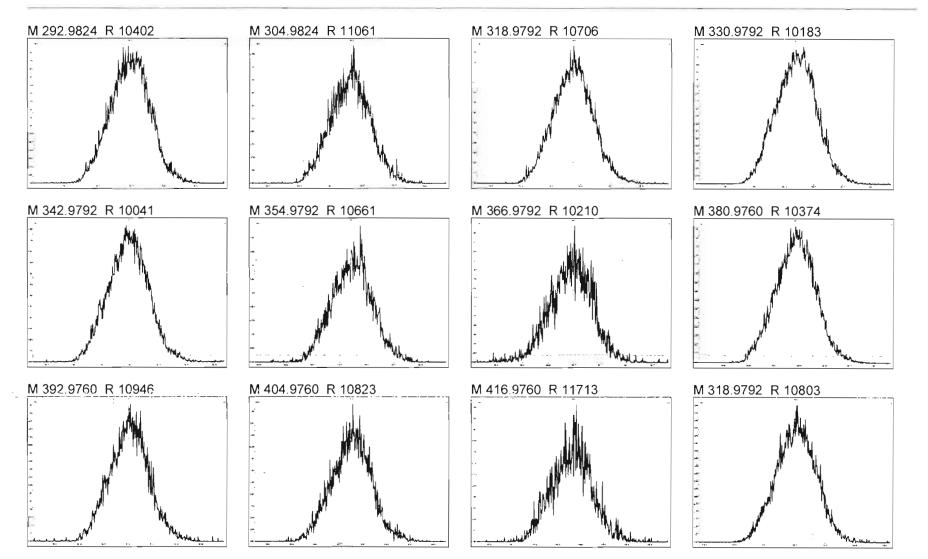
Resolution Check Report

MassLynx 4.1 SCN815

Page 1 of 4

۰,



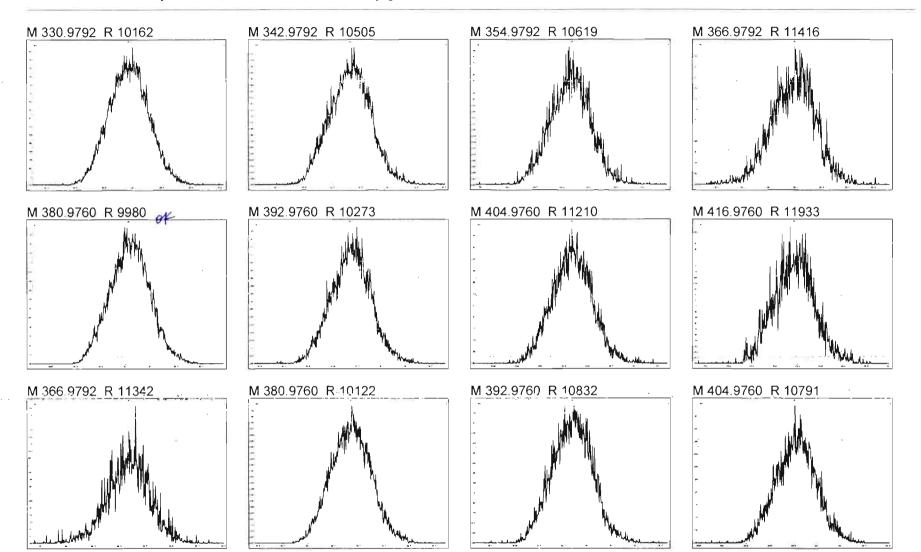


Resolution Check Report

MassLynx 4.1 SCN815

Page 2 of 4

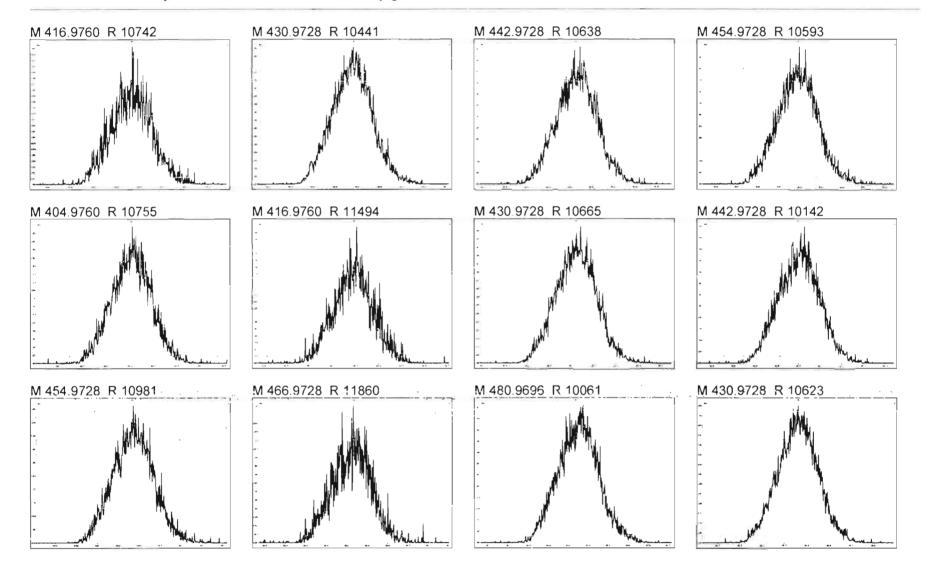
Printed: Sunday, June 28, 2020 22:07:16 Pacific Daylight Time



MassLynx 4.1 SCN815

Page 3 of 4

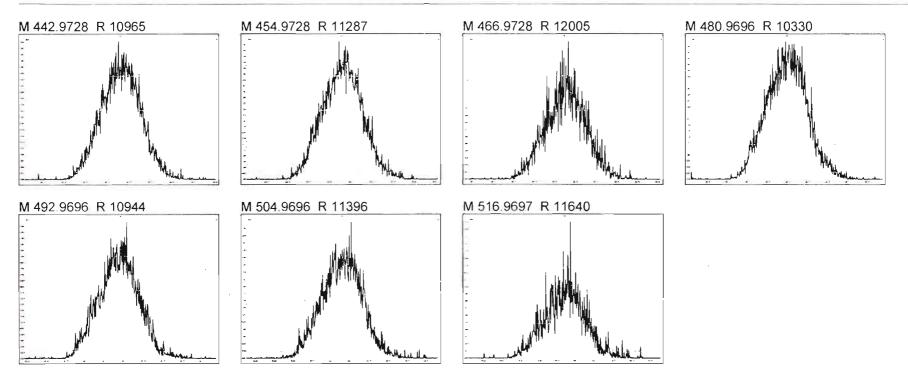




MassLynx 4.1 SCN815

Page 4 of 4





the second se

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 TAN	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	8.91e4	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

19-19	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

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

Children and	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	IRRF	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

12410	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

No.	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

A FE T	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

1 C	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

1000	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

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

1000	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

100	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	8.84 e 4	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

1000	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

Constraint.	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

and the second second	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

17400	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

and the	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
	200526D2_2	100	0.50	NO	33.75	1.009	8.65e4	8.64e4	97.7	-2.3	1.00	bb
	200526D2_3	100	0.50	NO	33.76	1.009	8.89e4	8.85e4	98.0	-2.0	1.00	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-2,3,4,6,7,8-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

1205	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

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 lot of the lot of 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

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

12 Lui -	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

Same of	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 Sam Vista Analytica	al 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: 200526D2_2, Date: 26-May-2020, Time: 20:57:24, ID: ST200526D2-1 1613 CS0 20E0704, Description: 1613 CS0 20E0704

	# 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	1.13e3	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	
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	
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: 200526D2_2, Date: 26-May-2020, Time: 20:57:24, ID: ST200526D2-1 1613 CS0 20E0704, Description: 1613 CS0 20E0704

	# 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

Name: 200526D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705

10000	# 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	
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	
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

Name: 200526D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705

- 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

	# 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

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

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

Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707

1 Dec	# 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	
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	
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	J
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	1
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	}
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

Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707

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	1.1.1.1.1
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: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708

	# 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	3.00 e 5	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	6.79e4	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	
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

Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708

C.C.S.	# 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

Name: 200526D2_7, Date: 27-May-2020, Time: 00:43:15, ID: ST200526D2-6 1613 CS5 20E0709, Description: 1613 CS5 20E0709

in the second second														
123	# 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	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	1.39e6	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	
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

Name: 200526D2_7, Date: 27-May-2020, Time: 00:43:15, ID: ST200526D2-6 1613 CS5 20E0709, Description: 1613 CS5 20E0709

2 - Pr	# 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: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707

	# 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

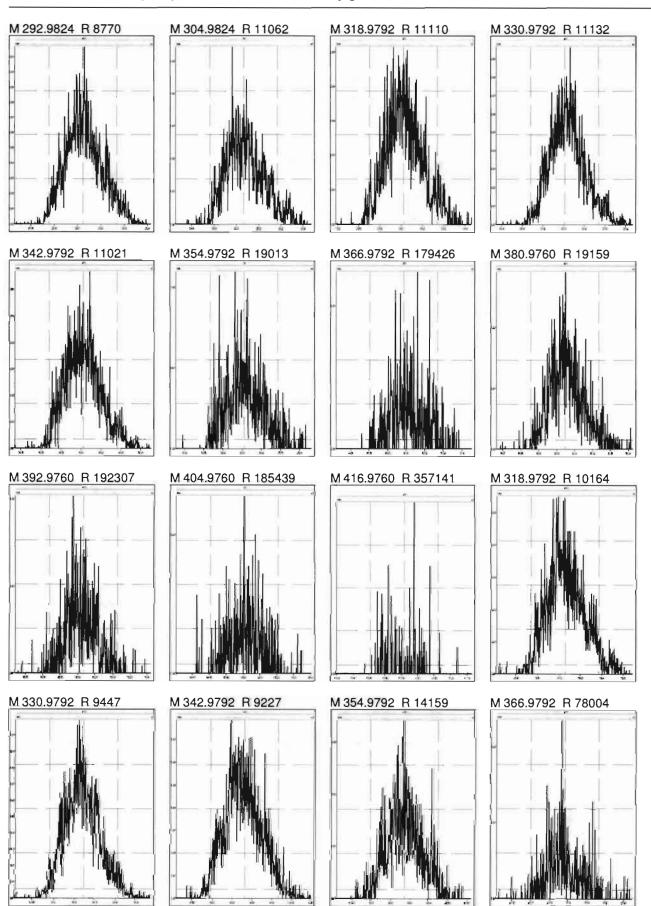
1 199	Name	ID	Acq.Date	Acq.Time
1	200526D2_1	SOLVENT BLANK	26-May-20	20:12:13
2	200526D2_2	ST200526D2-1 1613 CS0 20E0704	26-May-20	20:57:24
3	200526D2_3	ST200526D2-2 1613 CS1 20E0705	26-May-20	21:42:35
4	200526D2_4	ST200526D2-3 1613 CS2 20E0706	26-May-20	22:27:45
5	200526D2_5	ST200526D2-4 1613 CS3 20E0707	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

MassLynx 4.1

Page 1 of 3

Printed:

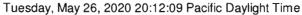


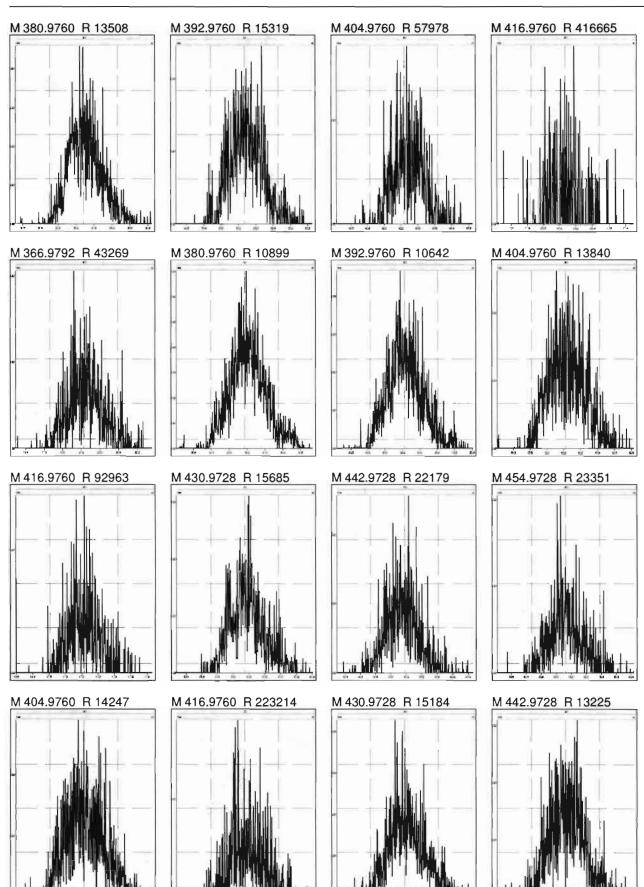


MassLynx 4.1

Page 2 of 3

Printed:



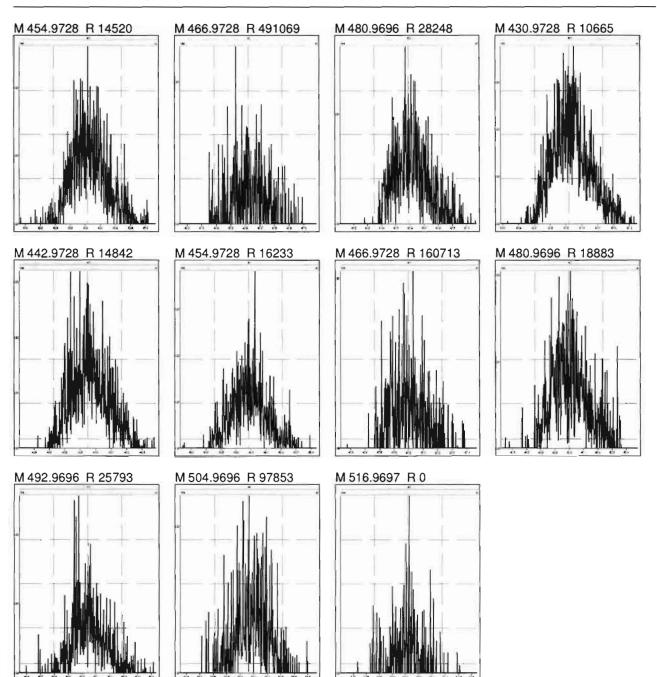


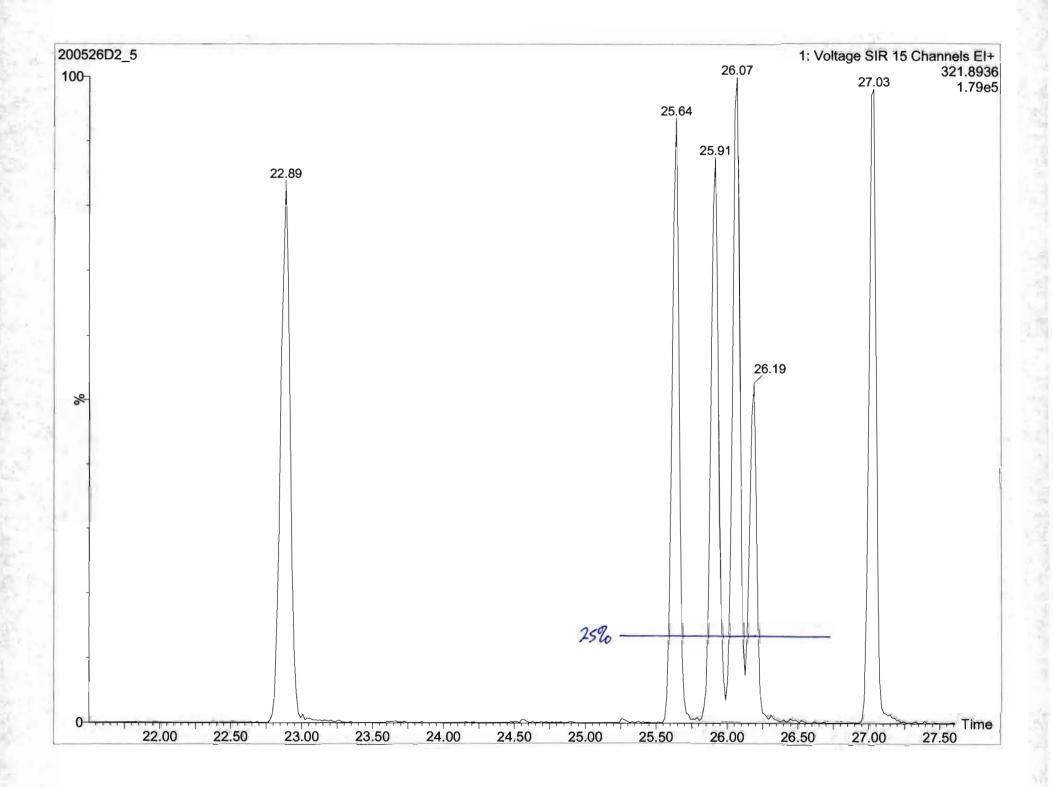
MassLynx 4.1

Page 3 of 3

Printed:

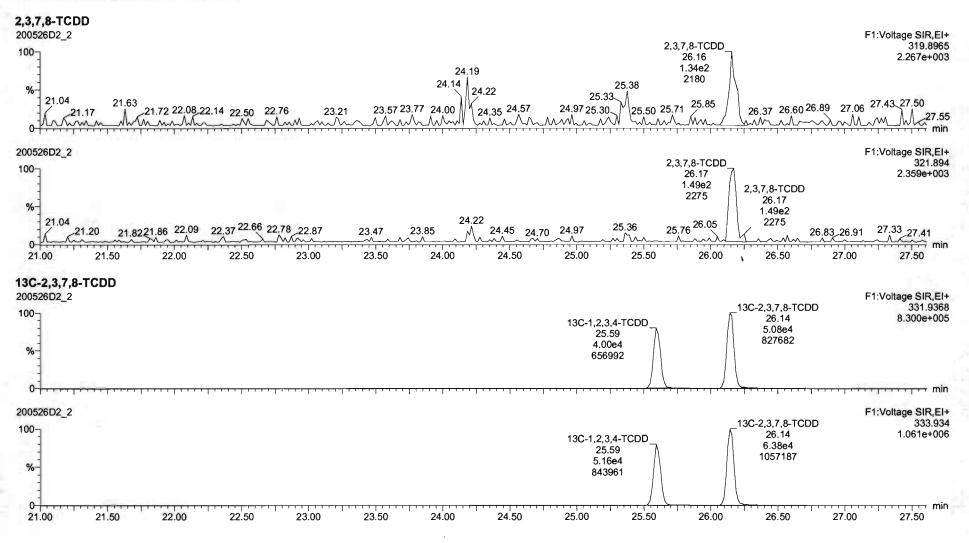


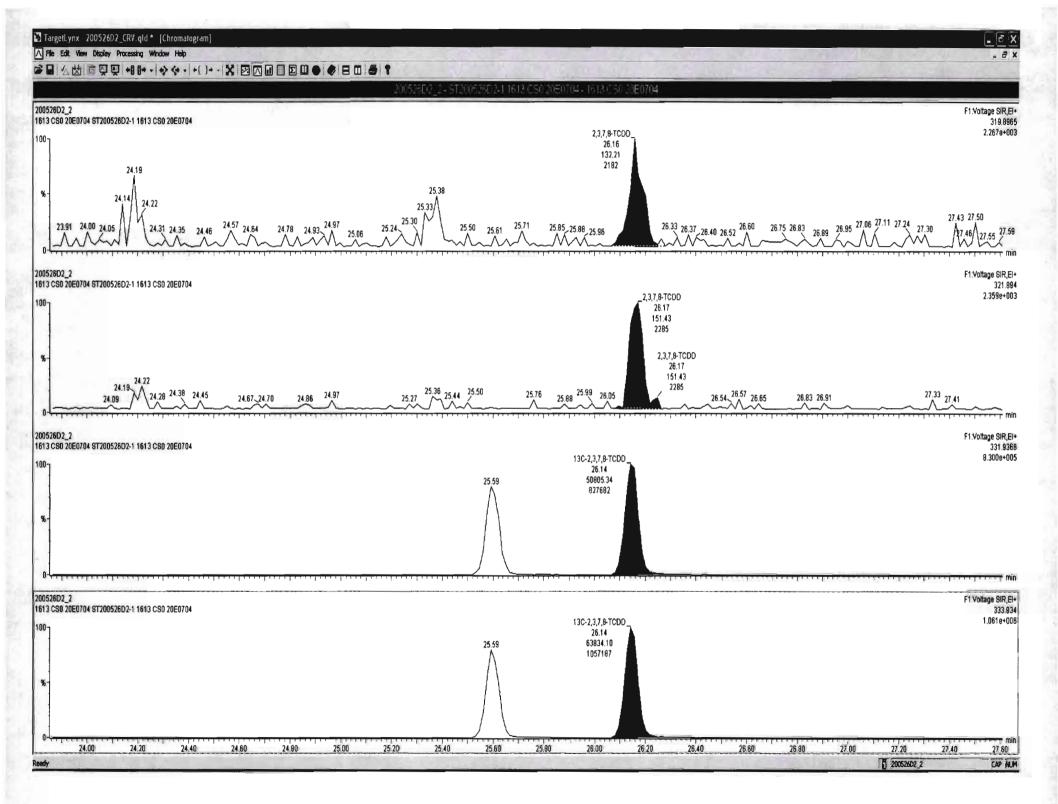




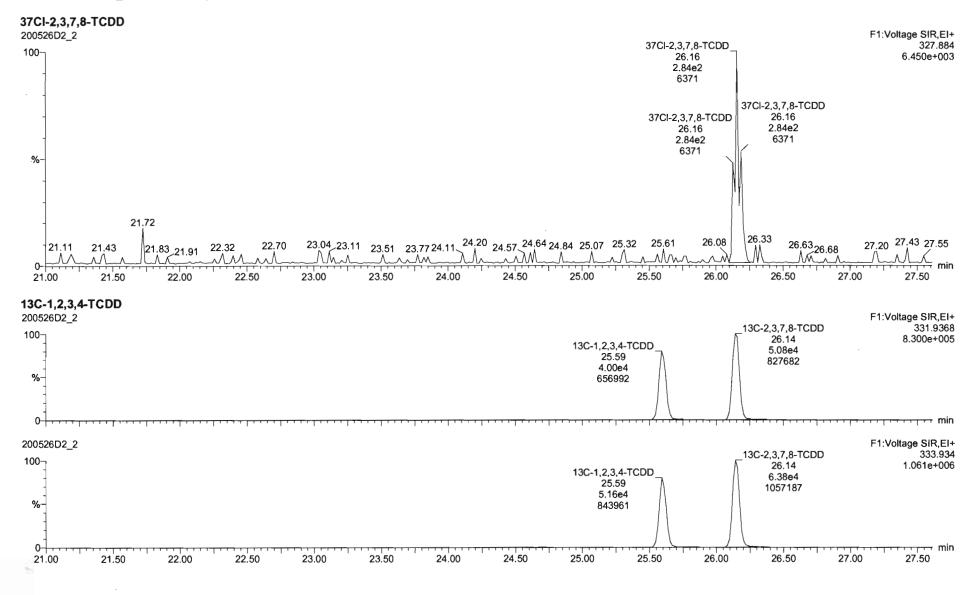
Quantify Sam Vista Analytica		Page 1 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

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





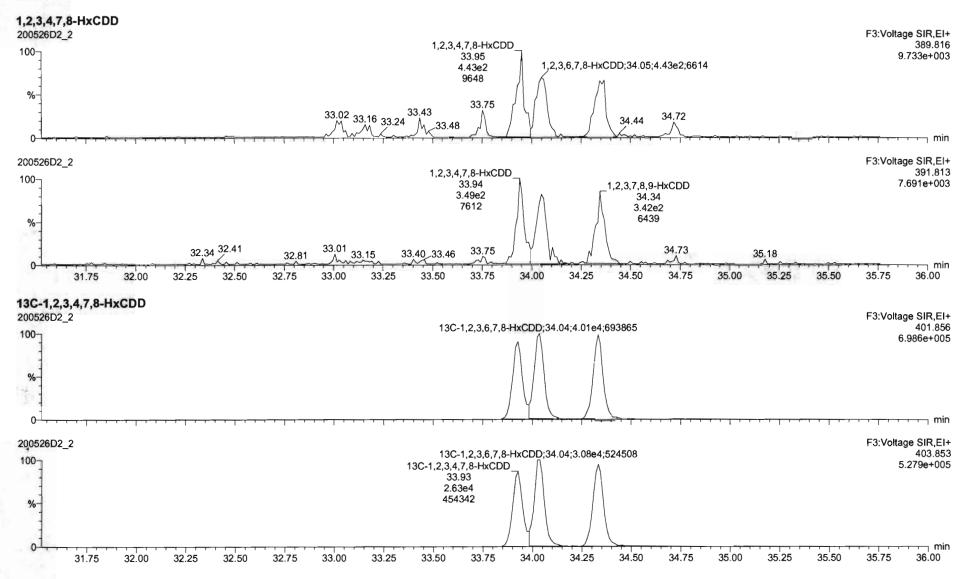
Quantify San Vista Analytica		Page 2 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



Work Order 2001132

	nple Report MassLynx 4.1 al Laboratory			Page 3 of
ataset:	U:\VG7.PRO\Results\200526D2\200526D2	_CRV.qld		
ast Altered: rinted:	Wednesday, May 27, 2020 11:41:15 Pacific Wednesday, May 27, 2020 11:42:00 Pacific	Daylight Time Daylight Time		
ame: 20052	6D2_2, Date: 26-May-2020, Time: 20:57:24,	ID: ST200526D2-1 1613 CS0 20E0704, Des	cription: 1613 CS0 20E0704	
2,3,7,8-PeC	DD			F2:Voltage SIR,t
00-7 		29.44 1.92e2 4449 Å	1,2,3,7,8-PeCDD 30.61 3,40e2	353.86 5.658e+(
%- -			5578	
		/ 29.54 29.90		31.49
0526D2_2				F2:Voltage SIR,
 			1,2,3,7,8-PeCDD 30.61 5.44e2 11071	355.8 1.118e+(
% -		29.44	30.31	
0 ⁻¹	28.00 28.20 28.40 28.60 28.80		30.83 30.83 0.00 30.20 30.40 30.60 30.80	31.05 31.00 31.20 31.40
C-1,2,3,7,8		20.00 20.20 20.40 20.00 20.00 0		01.00 01.20 01.10
0526D2_2				F2:Voltage SIR,
00- 			13C-1,2,3,7,8-PeCDD 30.61 3.12e4 605276	365.8 6.064 e+
0526D2_2				F2:Voltage SIR,
00			13C-1,2,3,7,8-PeCDD 30.59 4.94e4 905456	367. 9.066e+
% -				

Quantify Sam Vista Analytica		Page 4 of 7
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	

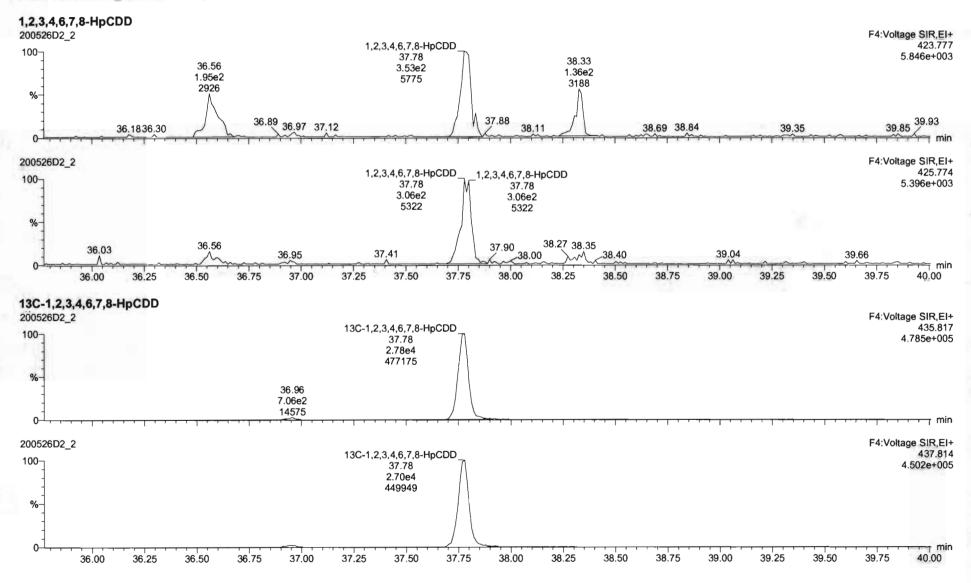


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory

Page 5 of 78

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

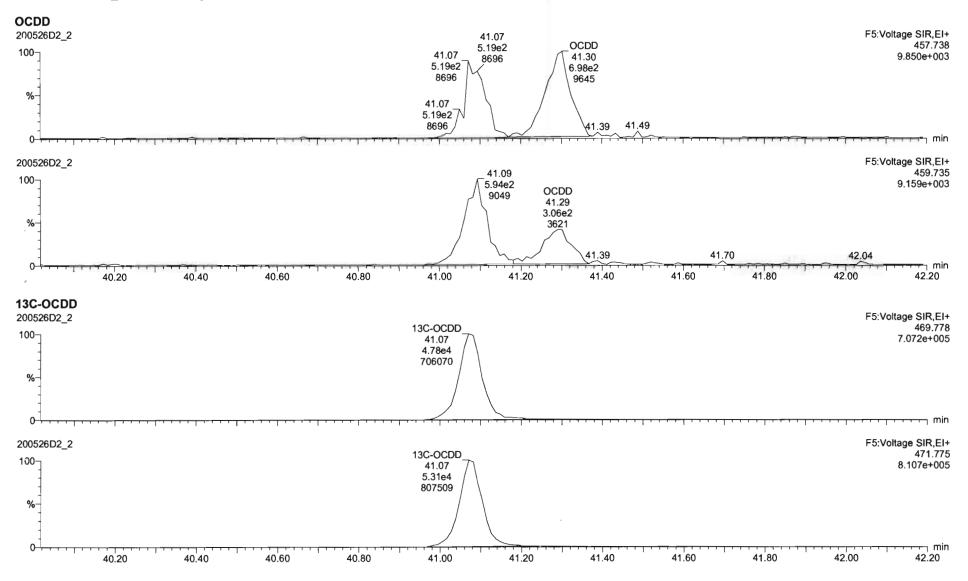
Last Altered:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

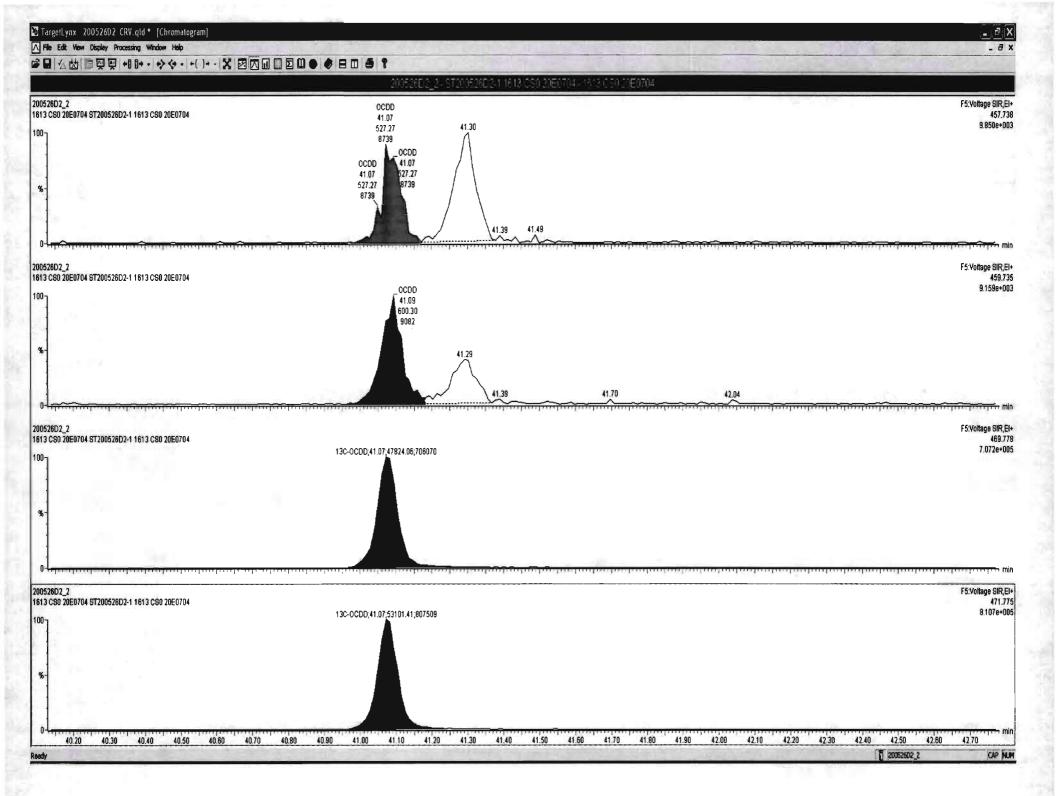


Quantify Sample Report	MassLynx 4.1	
Vista Analytical Laboratory		

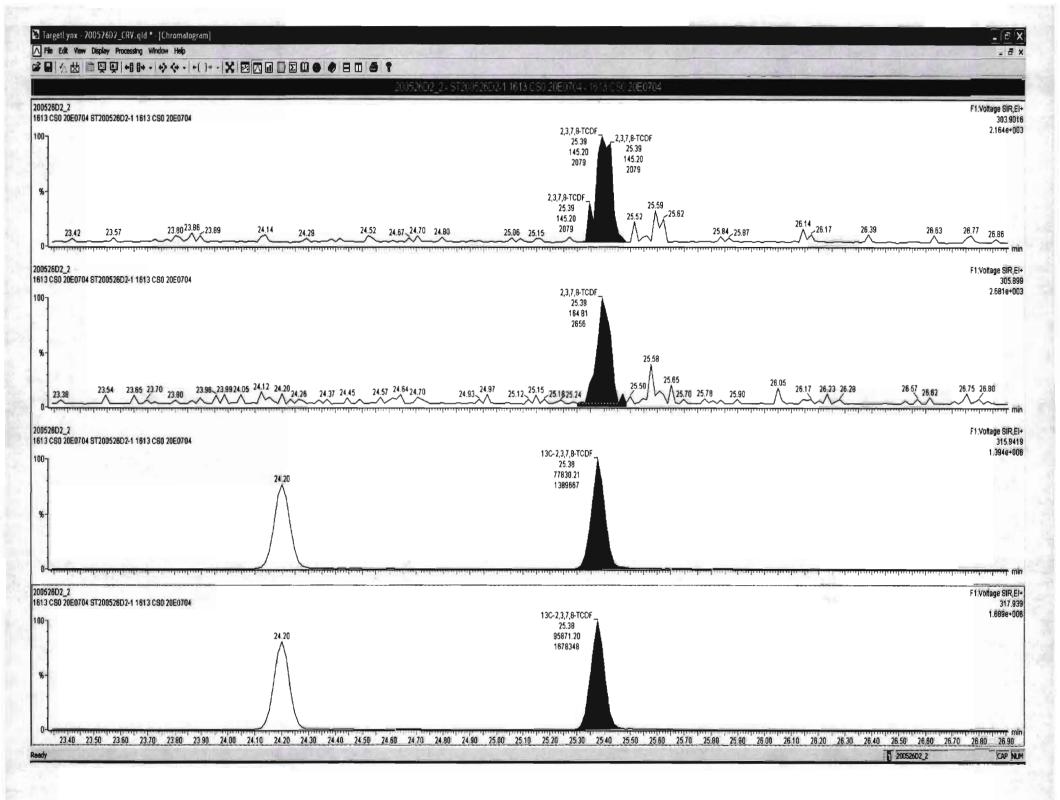
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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





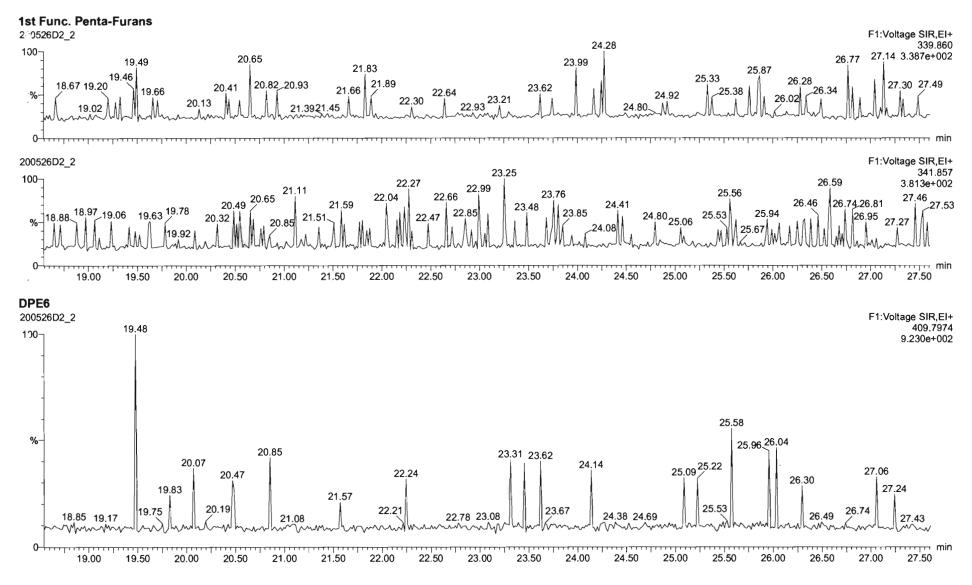
sta Analytical Laboratory	MassLynx 4.1 Page 7 of
taset: U:\VG7.PRO\	Results\200526D2\200526D2_CRV.qld
	May 27, 2020 11:41:15 Pacific Daylight Time May 27, 2020 11:42:00 Pacific Daylight Time
inted: Wednesday, I	May 27, 2020 11.42.00 Pacine Dayiight Time
	C Mar 2020 Time 20.57-24 ID: ST200526D2 4 4642 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 0526D2_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

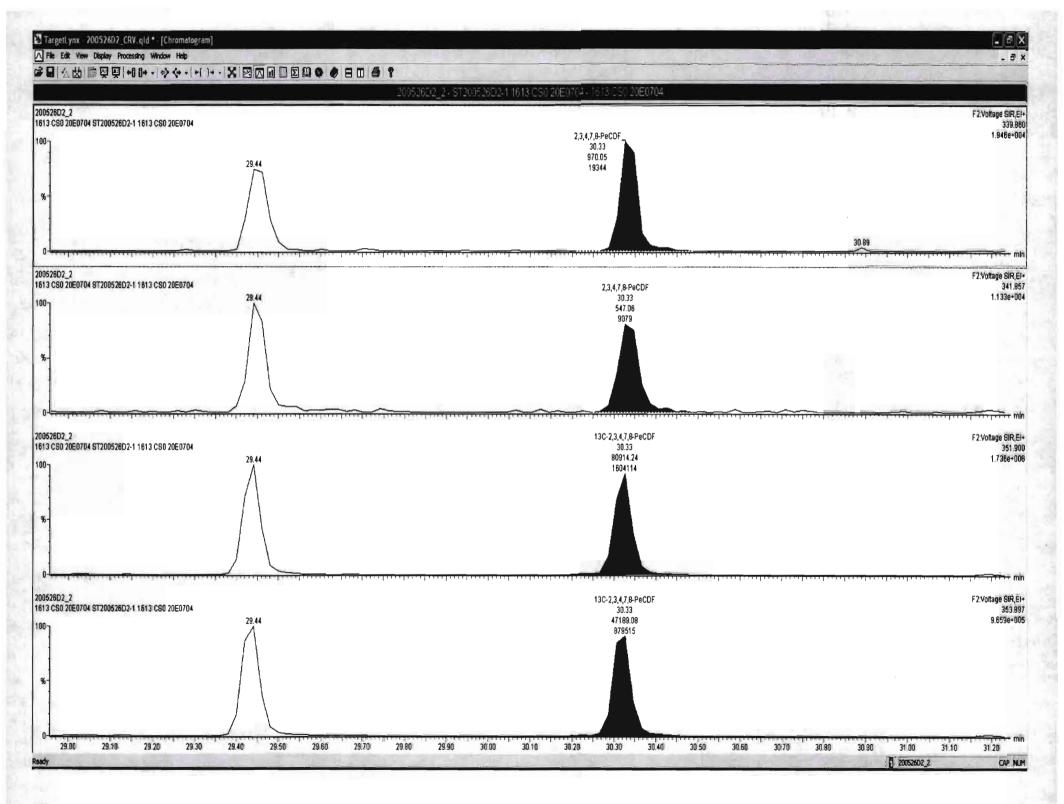
27.75

31.75

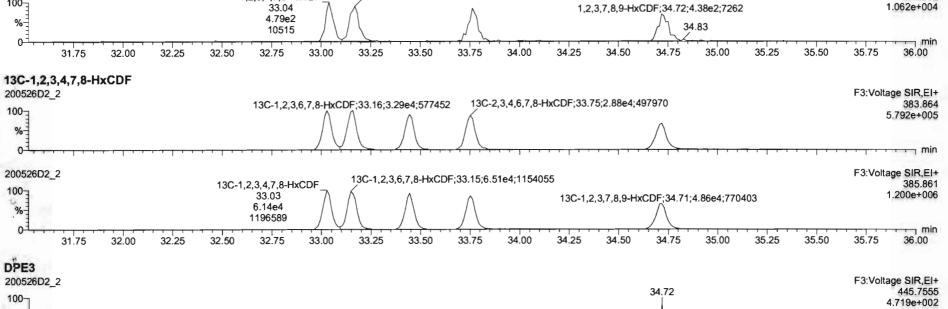
31.50

31.25

32.00



Guantify Sam Vista Analytica		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	
I,2,3,4,7,8-Hx	5D2_2, Date: 26-May-2020, Time: 20:57:24, ID: ST200526D2-1 1613 CS0 20E0704, Description: 1613 CS0 20E0704 CDF	
200526D2_2		F3:Voltage SIR,EI+ 373.821
100	33.04 2,3,4,6,7,8-HxCDF;33.77,6,36e2;10814 1,2,3,7,8,9-HxCDF;34.73;5,14e2;9203	1.295e+004
[%] 31.52	6.72e2 12869	min
		min real min
200526D2_2		F3:Voltage SIR,EI+
100¬	1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF;33.17;5.26e2;9317	375.81



33.36 33.52

33.50

33.29

33.25

33.25

32.84

32.75

32.96

33.00

32.41

32.25

32.51

32.50

34.21

34.25

33.99 34.07

34.00

33.64_33.69

33.75

34.48

34.36

34.64

34.75

34.55

34.50

35.06

34.95

35.00

35.28

35.25

Work Order 2001132

31.90 32.06 32.12

32.00

%-

31.71

31.75

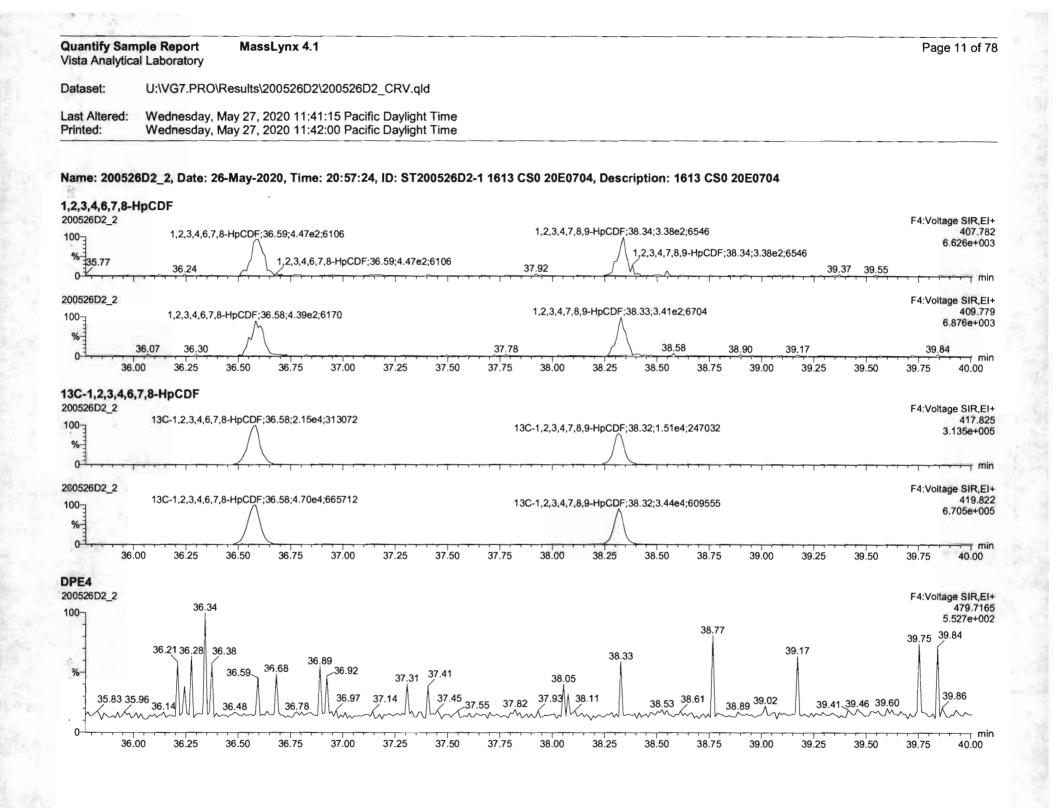
35.75

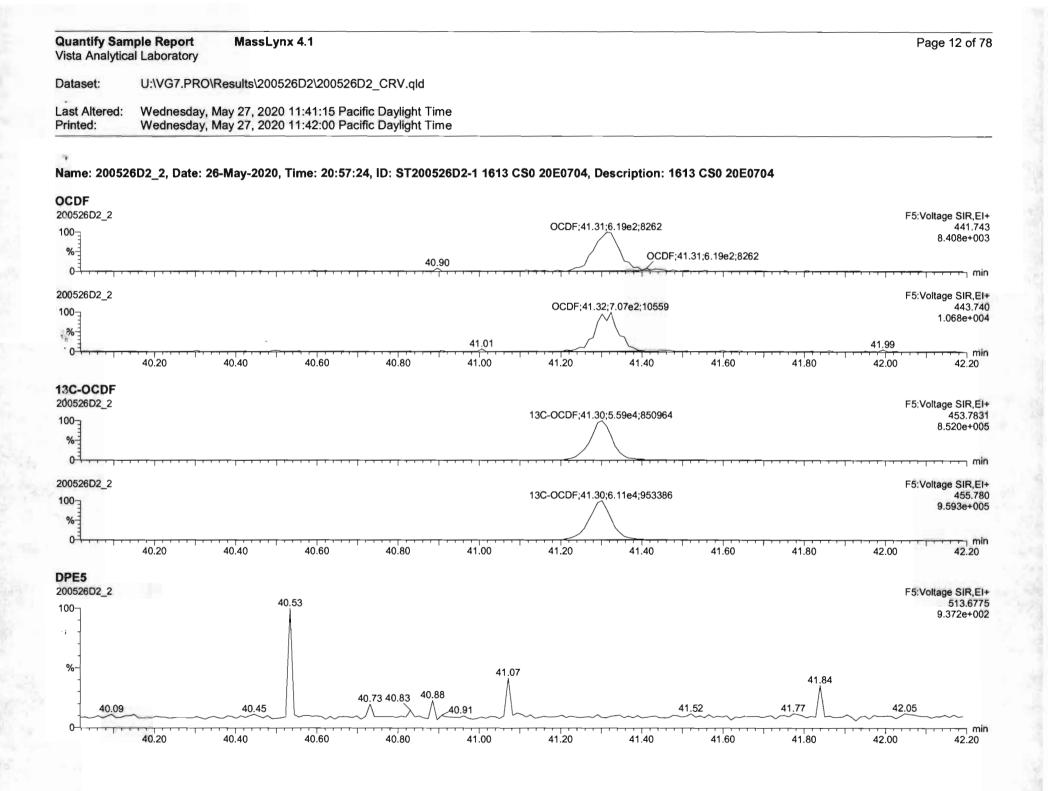
min ____

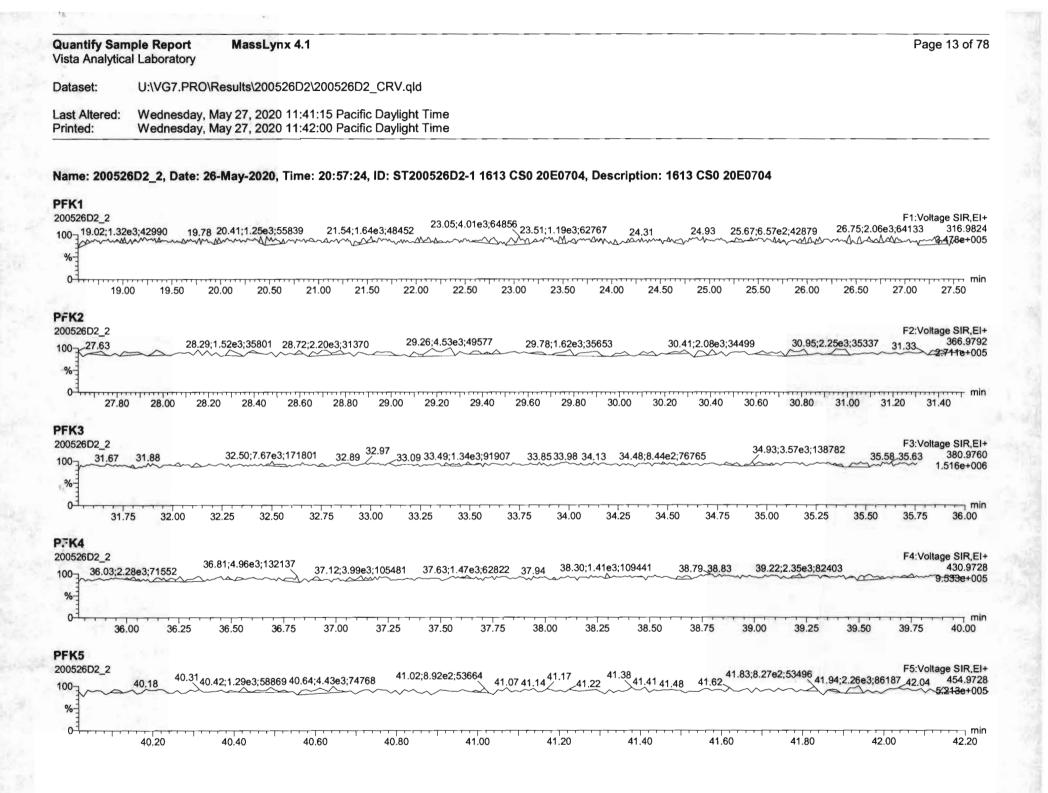
36.00

35.39 35.63 35.74

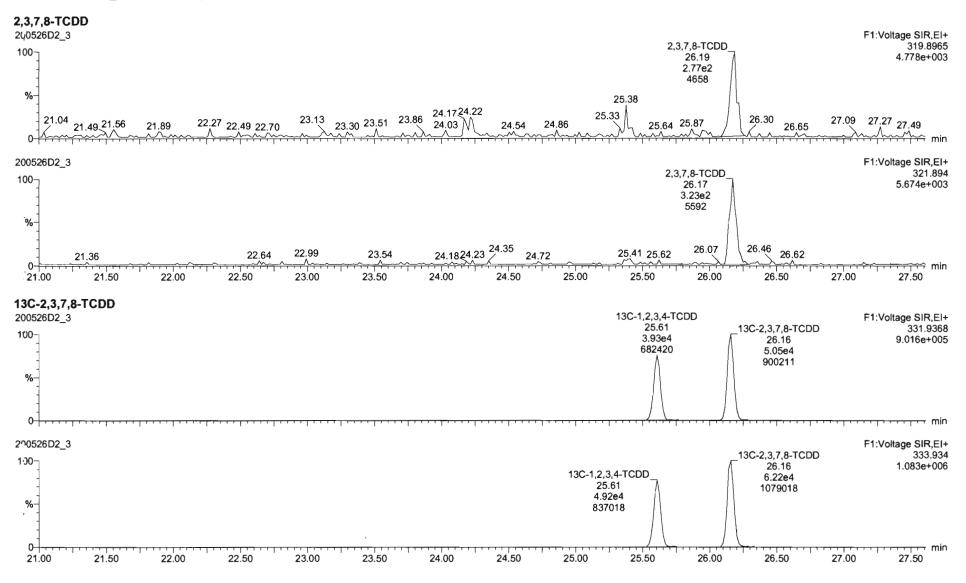
35.50







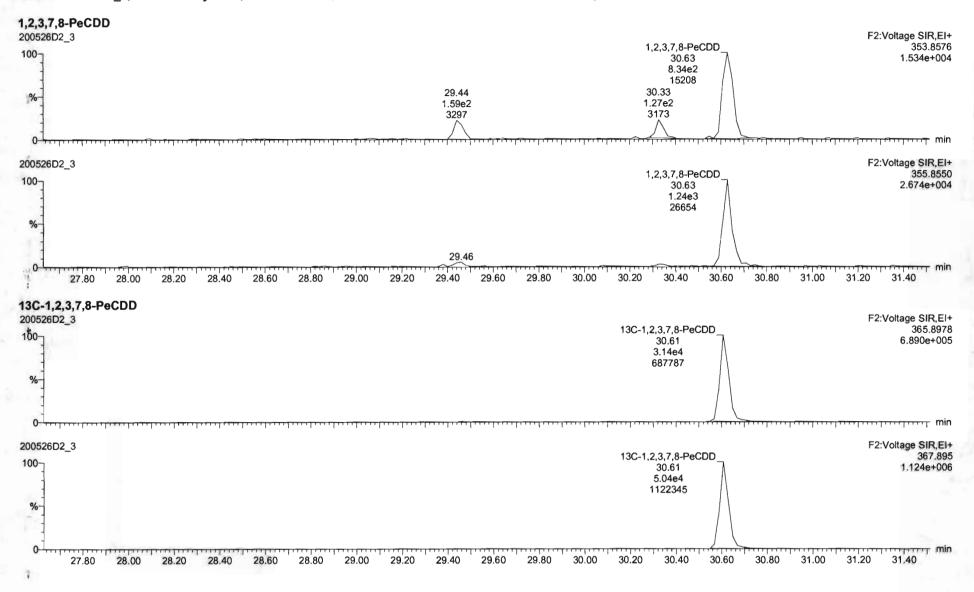
Quantify San Vista Analytica		Page 14 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



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	

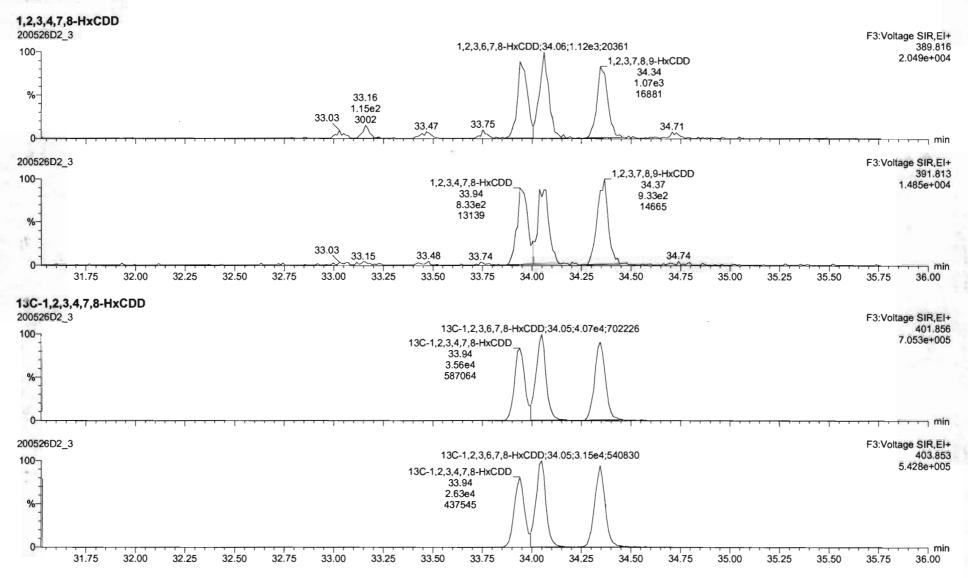
37CI-2,3,7,8-TCDD 200526D2 3 F1:Voltage SIR,EI+ 327.884 9.927e+003 37CI-2,3,7,8-TCDD 100-26.17 5.32e2 9810 % 4 27.55 21.07 21.48 26.05 21.66 21.94 22.09 25.01 25.16 26.77 27.12 27.32 25.53,25.59 26.39 23.68 23.93 22.40 22.98 23.21 24.69 M Jh ٨٨ M MΛ M A M 0 min 21.00 21.50 22.00 22.50 23.00 23.50 24.00 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 0 min ----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	



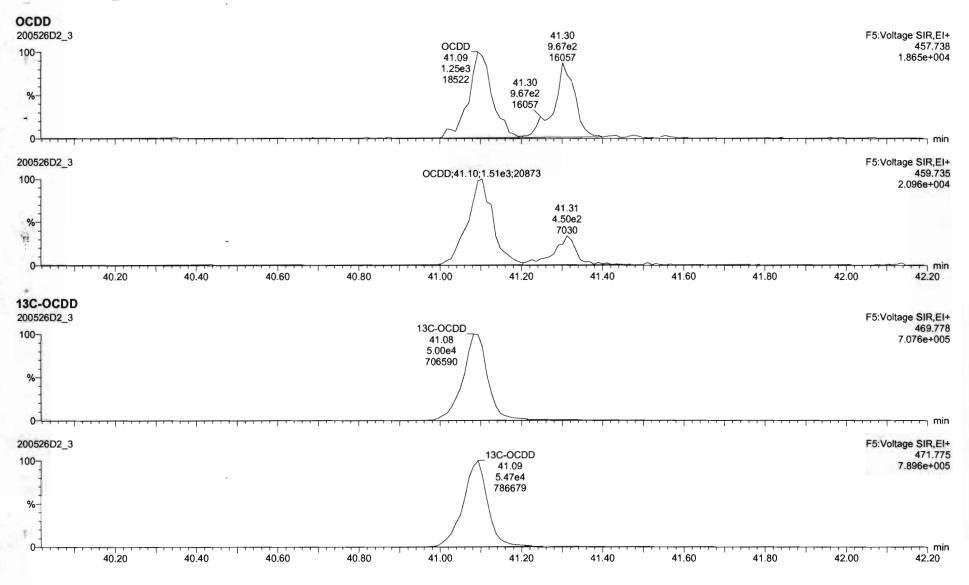
Work Order 2001132

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	



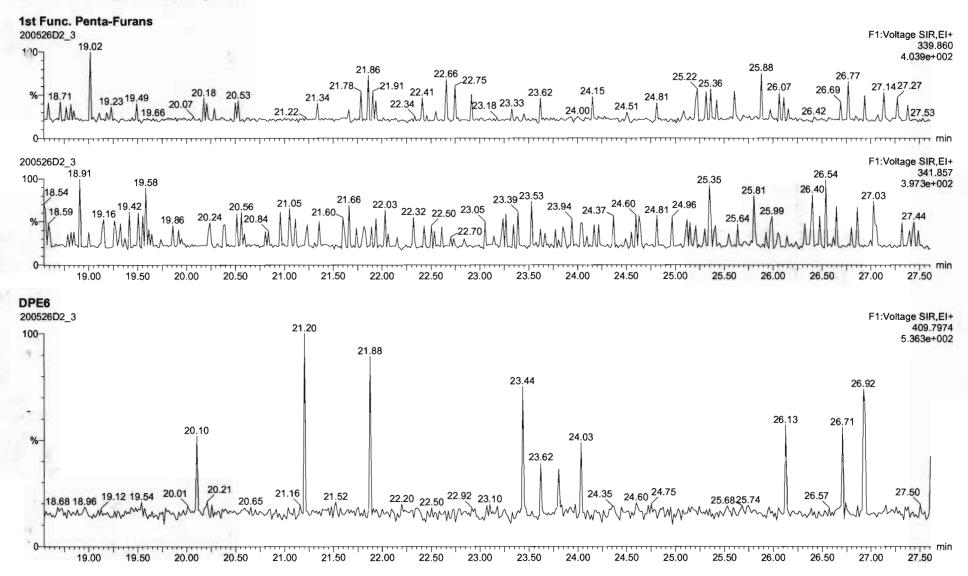
uantify Sam sta Analytica	ple Report al Laboratory	MassLynx 4	.1								Page 18 of
taset:	U:\VG7.PRO\F	Results\200526D	2\200526D	2_CRV.qld							
st Altered: nted:				ĩc Daylight Time ĩc Daylight Time							
me: 200526	6D2 3. Date: 26	-Mav-2020. Tim	e: 21:42:3	5, ID: ST200526D2	-2 1613 CS1 20	E0705. 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	

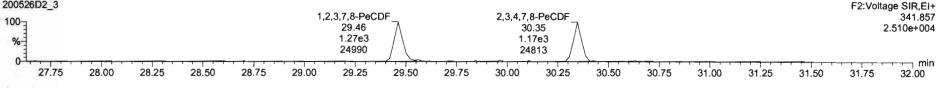


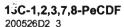
	al Laboratory	MassLynx 4.1										Pag	ge 20 of
taset:	U:\VG7.PRO	\Results\200526D2	200526D2_CF	RV.qld									
st Altered: inted:		May 27, 2020 11:4 May 27, 2020 11:4											
me: 200526	6D2_3, Date: 2	26-May-2020, Time	: 21:42:35, ID:	ST200526D2	-2 1613 CS1 2	20E0705, De	scription:	1613 CS1 20	E0705				
,7,8-TCDF													
0526D2_3								2,3,7,8-TCD	F			F1:Vol	tage SIF 303.9
0 4								25.39 3.17e2	7				5.496e+
0- 	19.37 19.66	20.75	21.60	22.0922.35 22.	47 23.11	23.73 23.83		5411	25.59	25.6826.14	26.49	26.97 27	.15
526D2_3			.1	1						[]		E1:Vol	Itage SIR
								2,3,7,8-TCD	F			11.00	305
18.56		00.75	04.74	22.50		22.02		25.41 4.70e2	\bigwedge				7.288e
19.0	0 19.52 19.8	1 20.10 20.75 2	21.74	21.97 22.50	22.75	23.83 24	4.00	7172	25.62	25.90 26.19)		-,,,,,,,,
19.0	0 19.50	20.00 20.50 2	1.00 21.50	22.00 22	.50 23.00	23.50 24	4.00 24.5	0 25.00	25.50	26.00	26.50	27.00	27.50
C-2,3,7,8-T	CDF												
526D2_3						100 1 0 0 1 7	1	3C-2,3,7,8-TCD	F			F1:Vol	tage SIF 315.
						13C-1,2,3,4-T0 24.20		25.39 7.50e4	7				1.200e
<u></u>						7.00e4 1047871	Λ	1194231	Л				
, , , , , , , , , , , , , , , , , , , 	<u></u>	, , , , , , , , , , , , , , , , , , ,			L		$+ \cdot \cdot$					1	
526D2_3							- 1	3C-2,3,7,8-TCD	F			F1:Vol	tage SIF 317
Ē						13C-1,2,3,4-T0 24.20		25.39	7				1.473e
1						8.59e4 1305855	Λ	9.43e4 1465151	Λ				
ידי היי היי היי (19.0	0 19.50	20.00 20.50 2	1.00 21.50	22.00 22	.50 23.00		4.00 24.5	0 25.00	25.50	26.00	26.50	27.00	27.50
- 4		:											
E1 526D2_3												F1:Vol	tage SIF
<u>-</u> -					22.79								375. 4.424e
-	19,19			22.34		23.51	24.08						4.4246
-				22.06			24.5	1					
1	19.	.87		22	23.02								
18.60	19.45 19.78	20.4220.49 ^{20.64} 2	0.90 21 49 21.59			0 00 74	24.31	24.84 25 22	25 29 05 4	- 26.19-2	22	26.78	
Konn	mont	20.4220.49	mmmyn	21.85	1 23.1	8 23.71	24.31 M	24.84 25.32; M. M. M	MMV	nymm	Num	27.37	27.49
-									•				0
 	* I I 4 T T T T T T T T T T T T T T T T T	TTIII''' TTIII	· · · · · · · · · · · · · · · · · · ·	TTTTTTTTTTTTT	·················		TTTTTTTTT	TTTTTTTTT	11111				******

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	



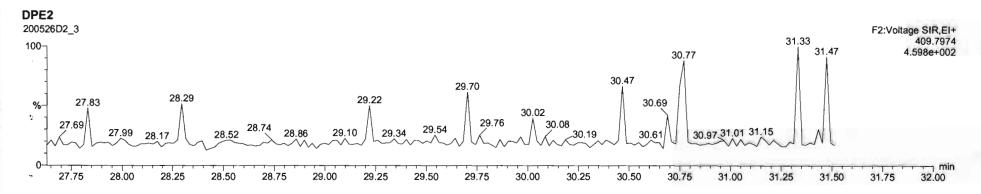
Quantify Sam Vista Analytica		Page 22 of 7
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time	
rinted:	Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
lame: 200526	D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705	
Printed: Name: 200526 1,2,3,7,8-PeCI 200526D2_3	D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705	F2:Voltage SIR,EI 339.86(

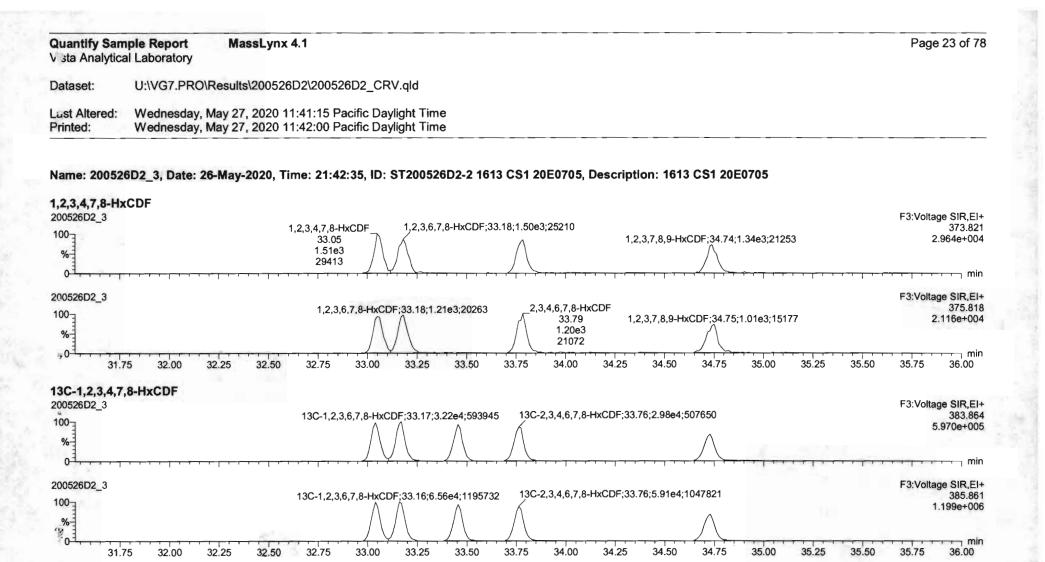




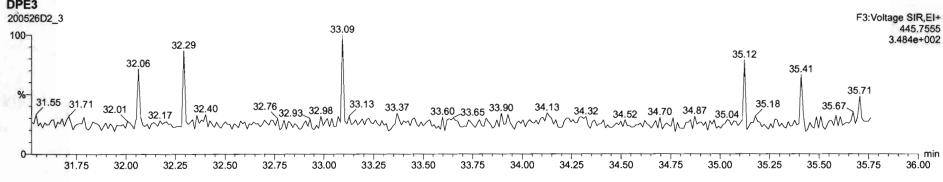
200526D2_3			F2:Voltage SIR, EI+
100 –	13C-1,2,3,7,8-PeCDF	13C-2,3,4,7,8-PeCDF	351.900
	29.44	30.33 7.65e4	1.510e+006
· **=	8.04e4 / \ 1453800 / \	1507425	
0 ⁻¹			····

200526D2_3																F2:Volta	ge SIR,EI+
100-]						3,7,8-PeCD	F	13	3C-2,3,4,7,8	-PeCDF							353.897
						29.44 5.01e4	\cap		30.33 4.74e4	. Λ						9	.739e+005
%						73582	/ \		971918								
0 ⁻¹							+ + + + + + + + + + + + + + + + + + +			-	$\overline{}$						min
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

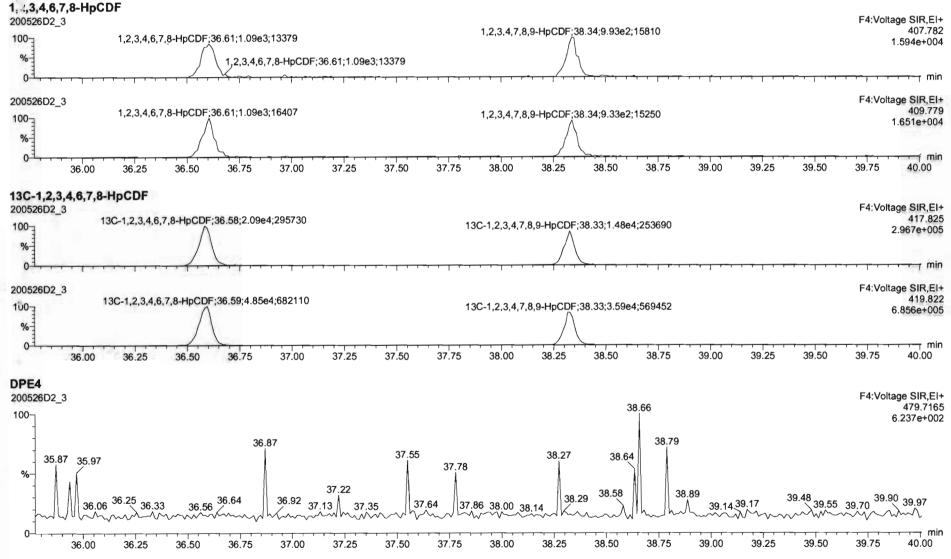




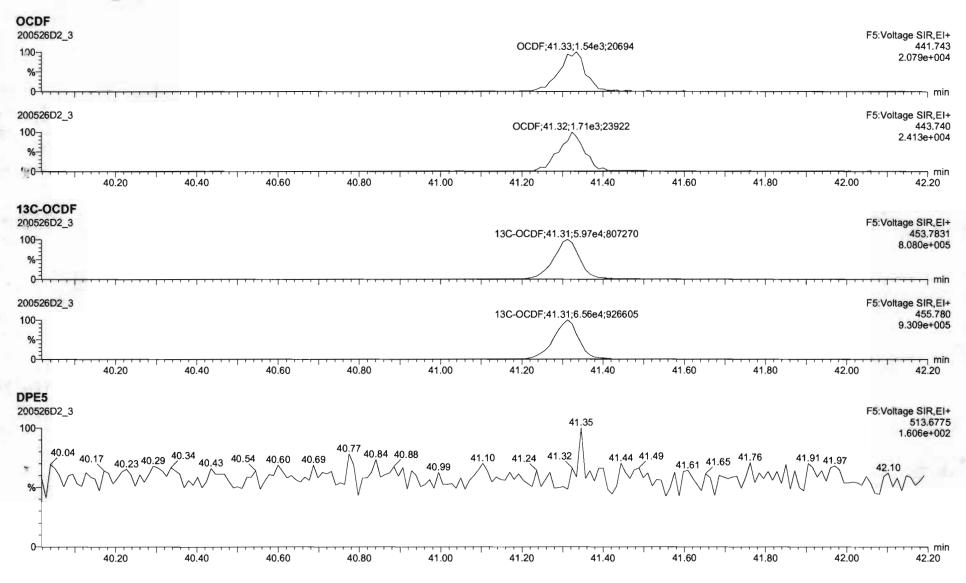




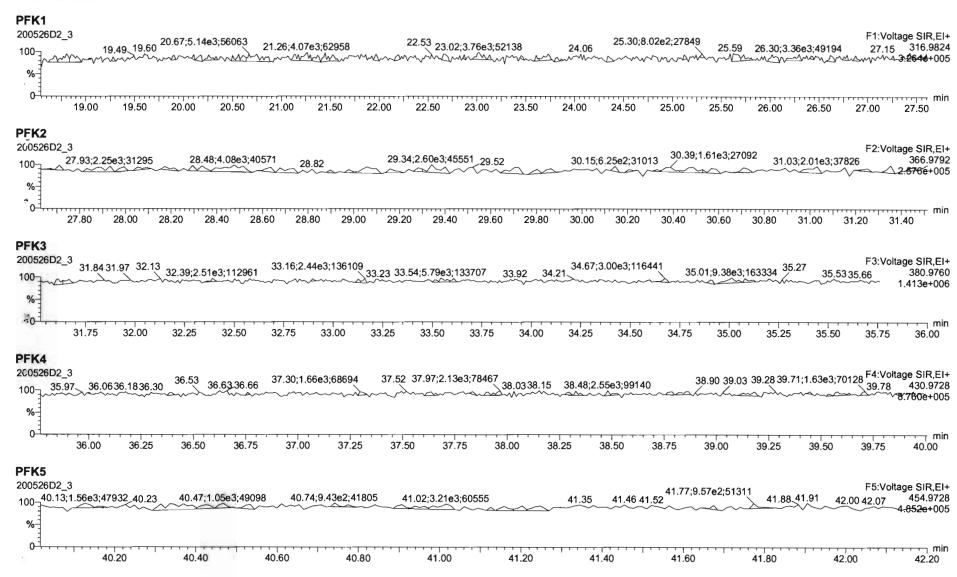
Quantify Sam Vista Analytica		Page 24 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
Name: 200520	D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705	



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	

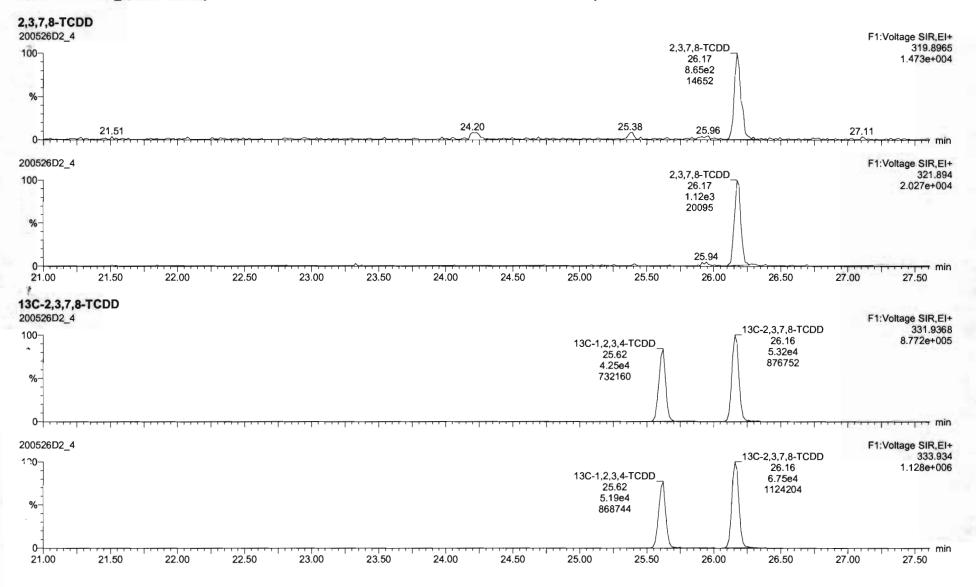


Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory MassLynx 4.1		Page 26 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

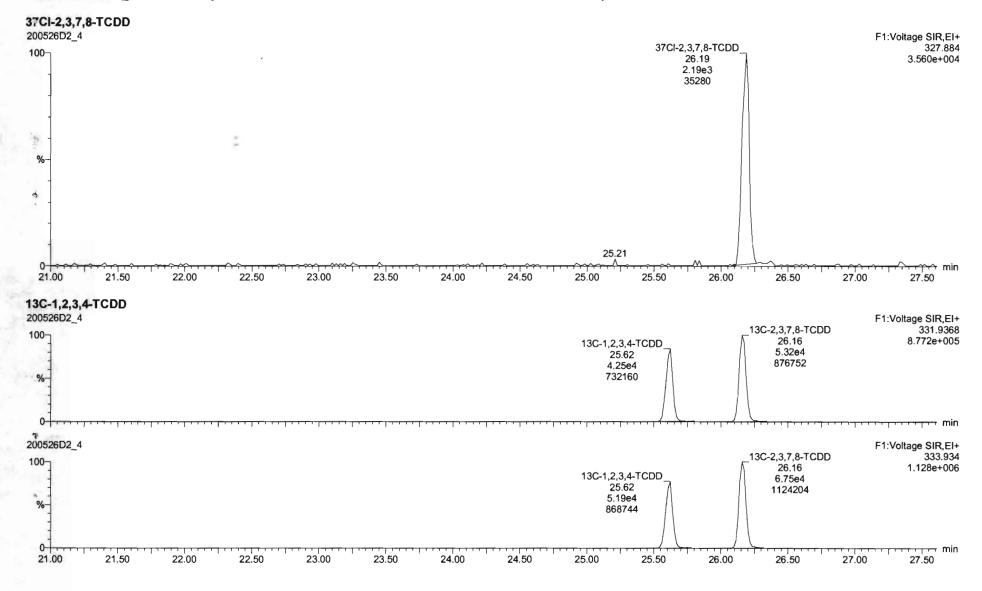


18

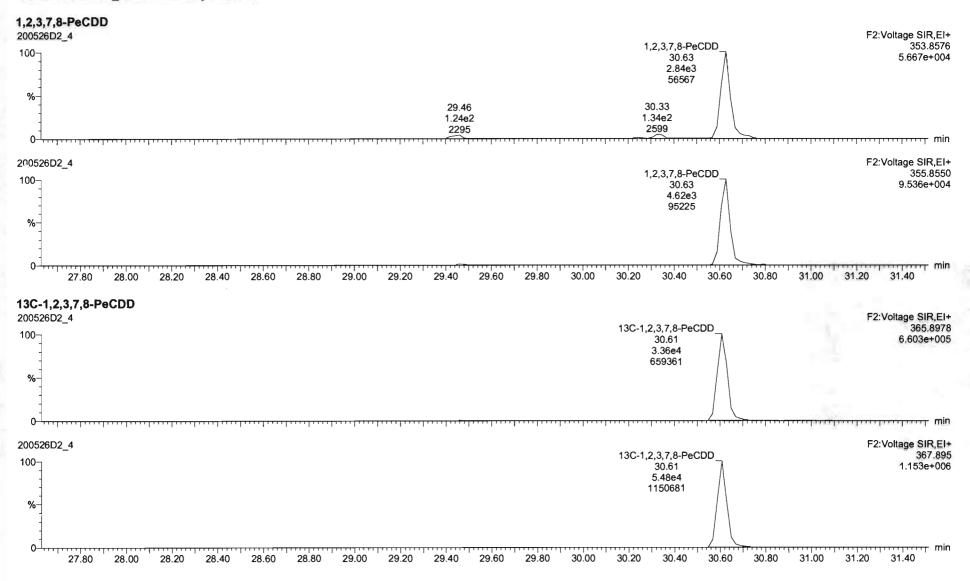
Quantify Sam Vista Analytica		Page 27 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



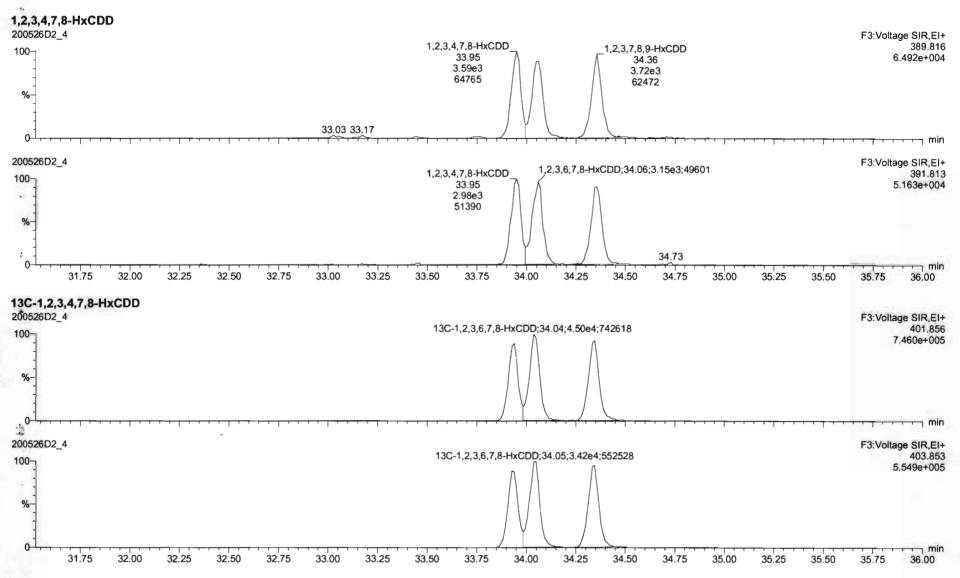
Quantify San Vista Analytica		Page 28 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



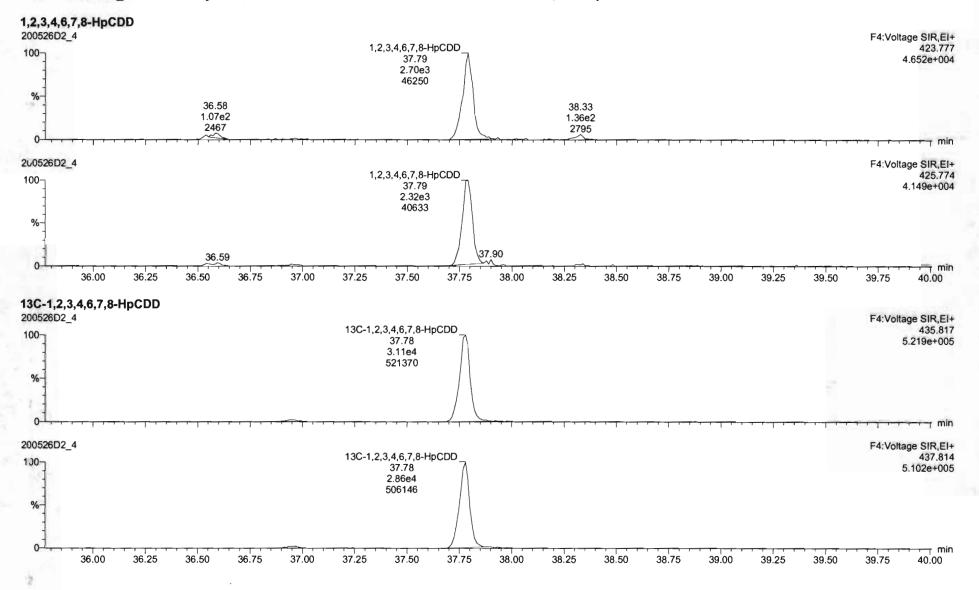
Quantify Sam Vista Analytica		Page 29 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



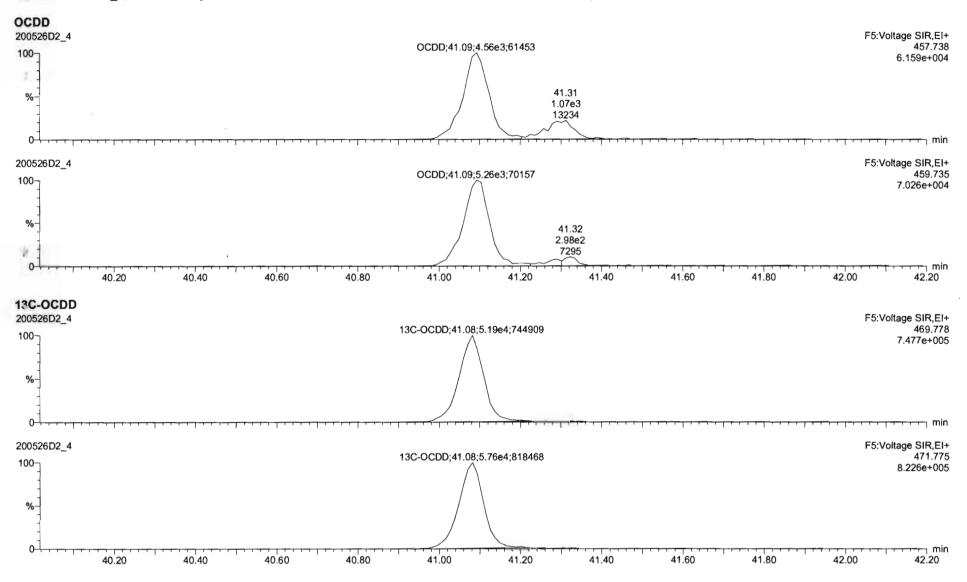
Quantify San Vista Analytica		Page 30 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



Quantify San 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	

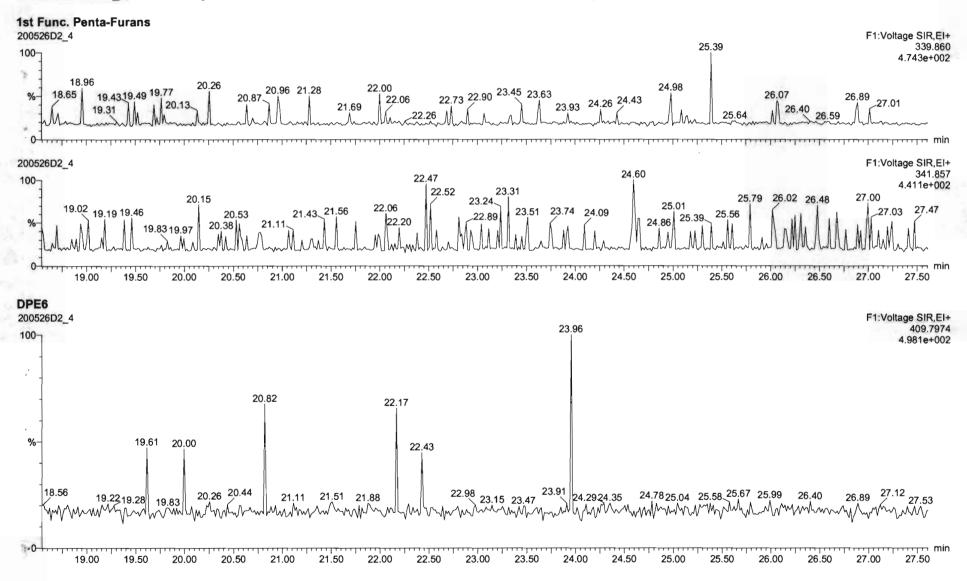


Quantify Sam Vista Analytica		Page 32 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

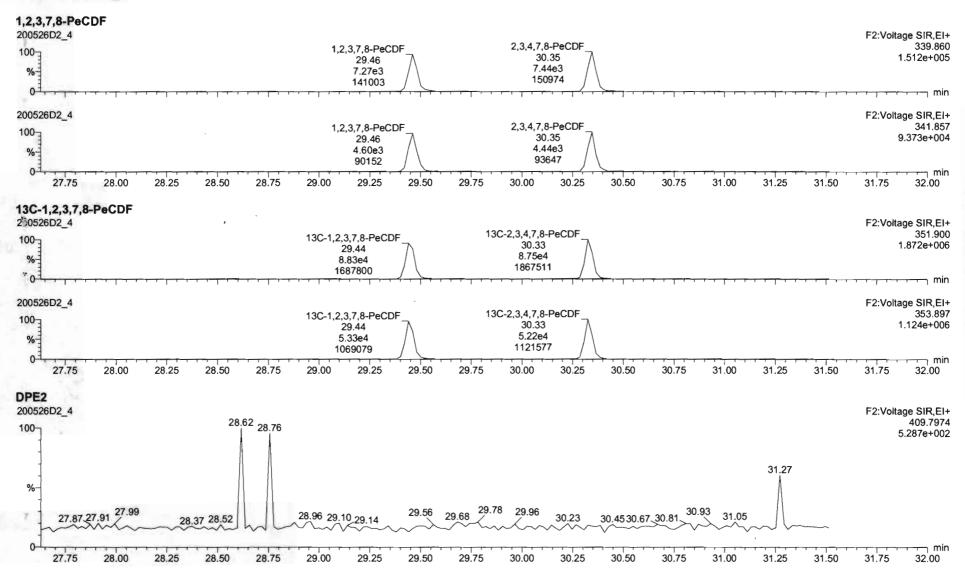


	n ple Report al Laboratory	MassLynx 4.1									Page 33 o
ataset:	U:\VG7.PRO\	Results\200526D2\20)0526D2_CRV.qld								
st Altered: inted:		May 27, 2020 11:41:1 May 27, 2020 11:42:0									
ame: 20052	6D2_4, Date: 20	3-May-2020, Time: 2	2:27:45, ID: ST200	526D2-3 16	13 CS2 20E07)6, Descripti	ion: 1613 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+

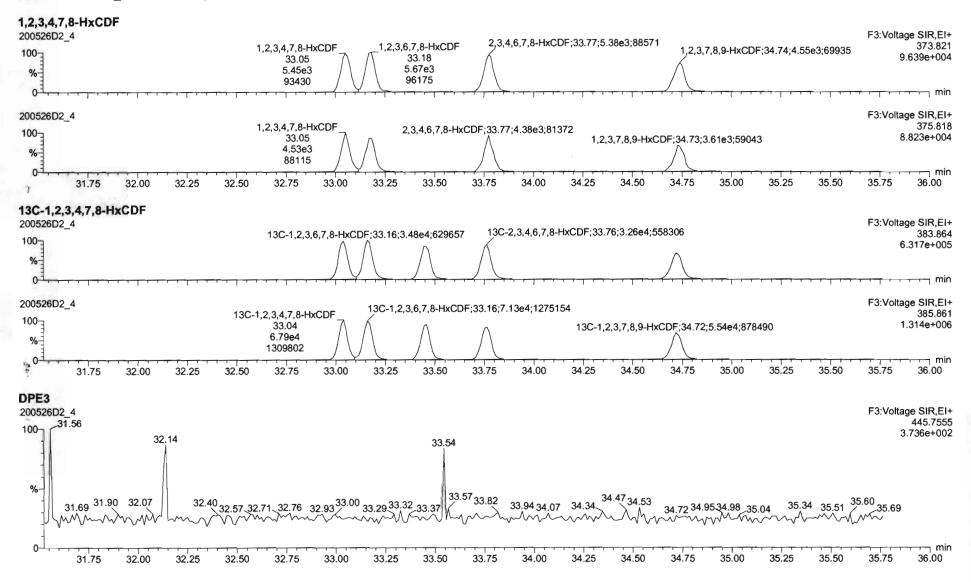
Quantify San Vista Analytic		Page 34 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



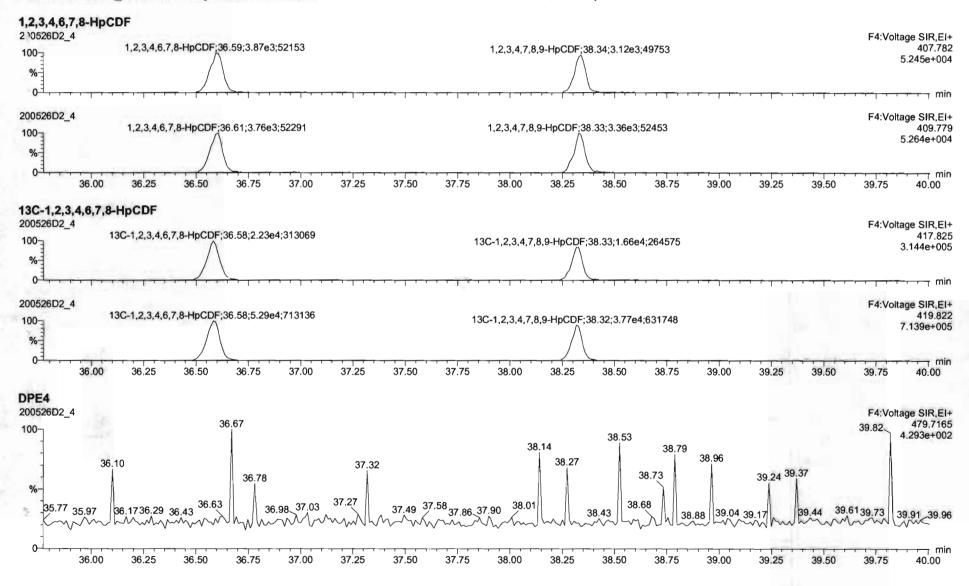
Quantify Sam Vista Analytica		Page 35 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
Printed:	Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

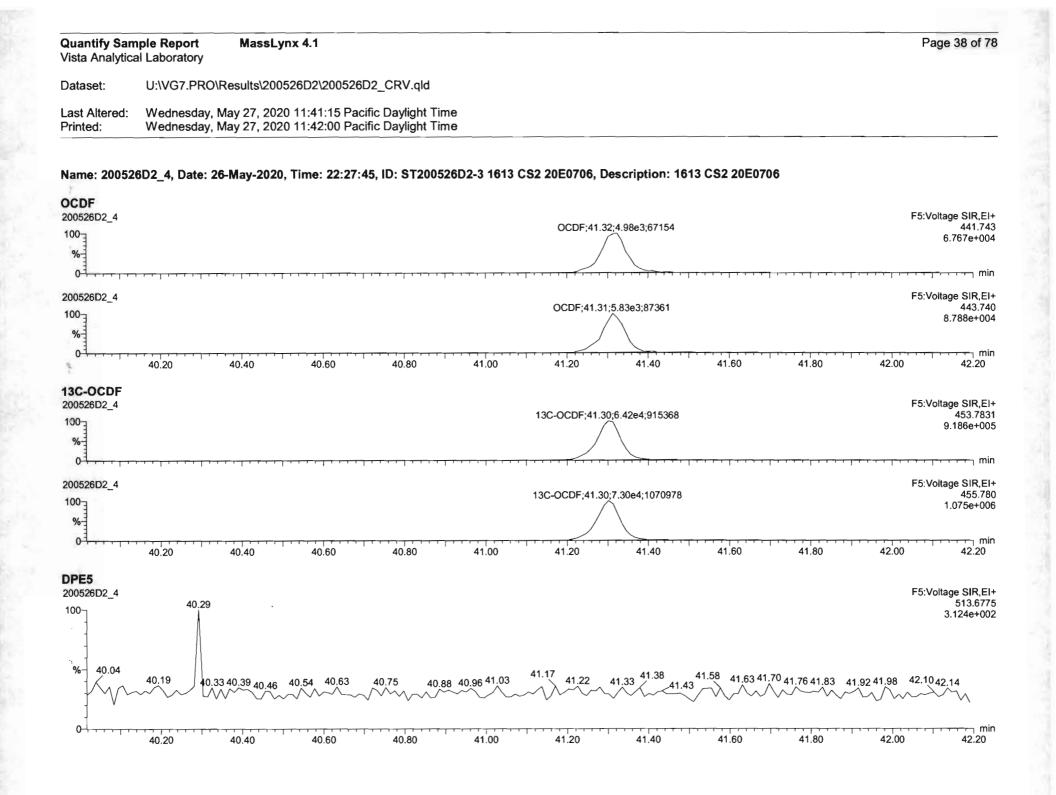


Quantify Sam Vista Analytica		Page 36 of 78
Pataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



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	

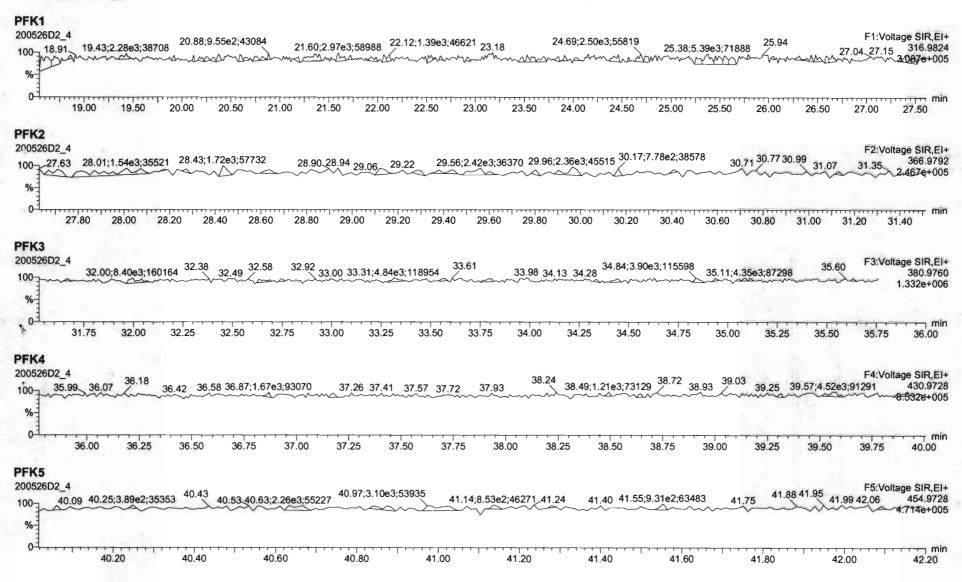




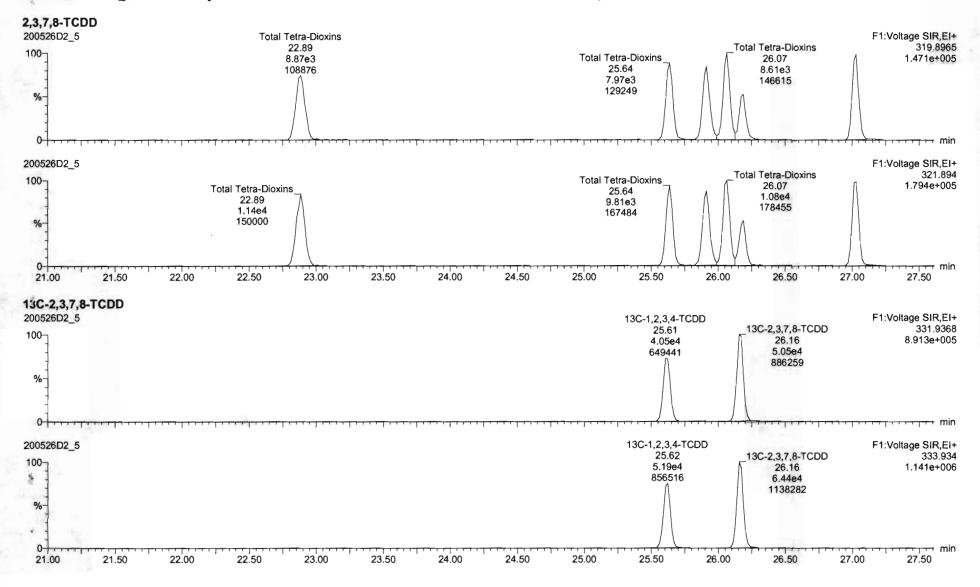
Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory

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

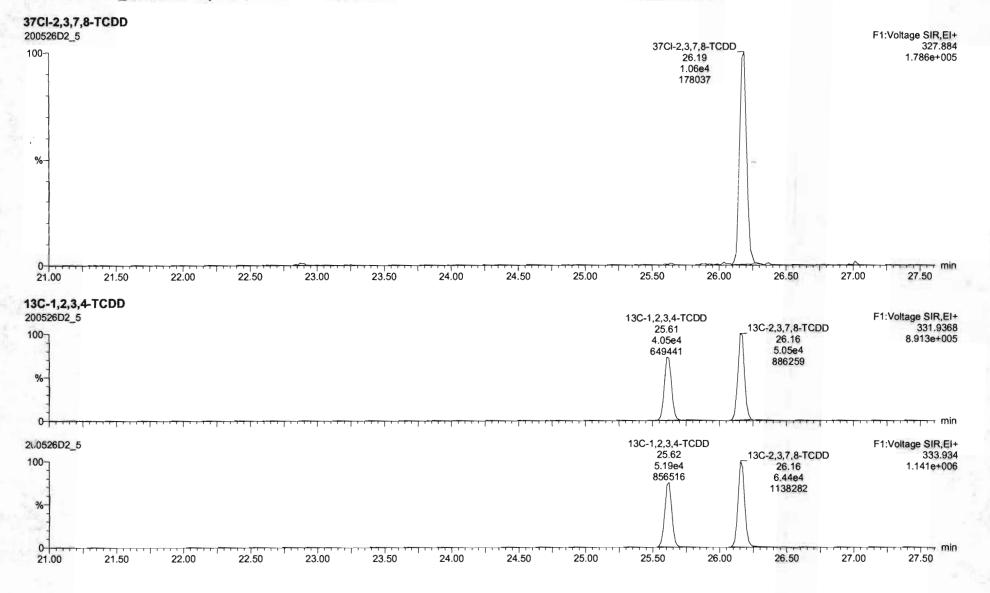
Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time



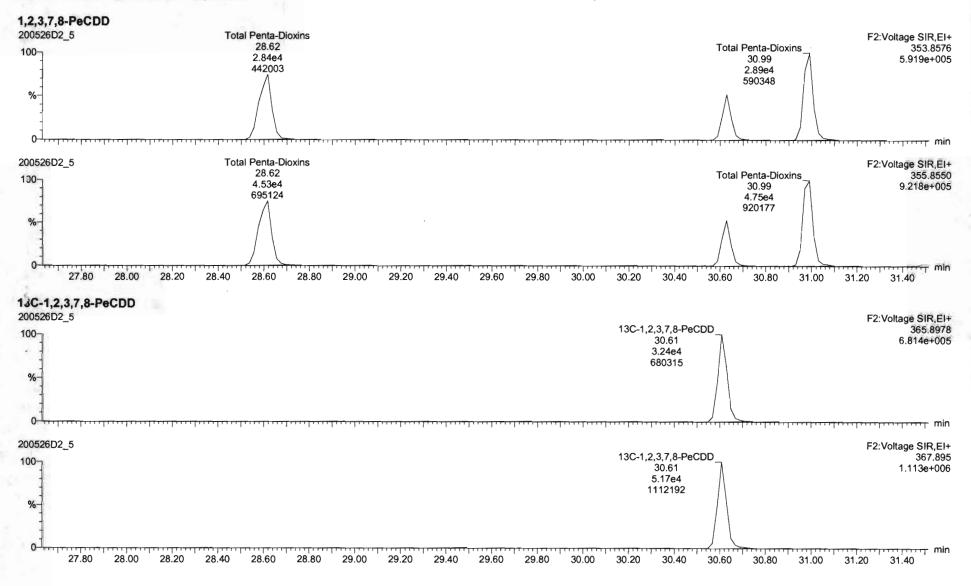
Page 40 of 78	40 of 78



ple Report MassLynx 4.1 Laboratory	Page 41 of 78
U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
	I Laboratory U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time

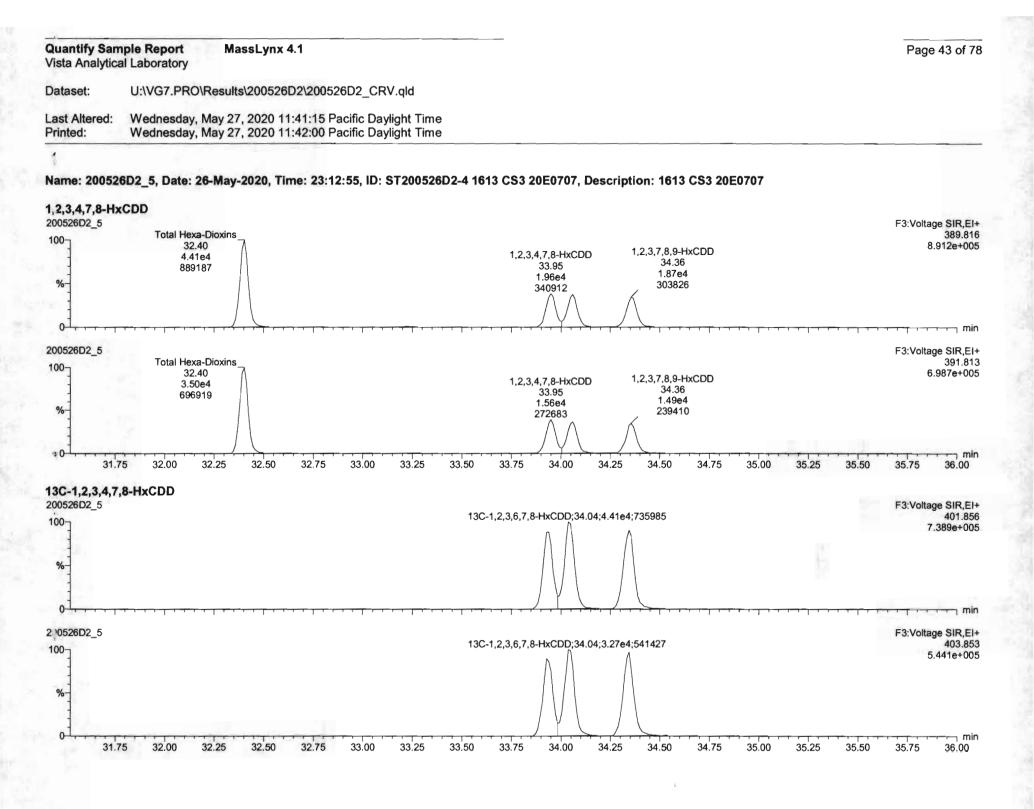


Quantify San Vista Analytica		Page 42 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

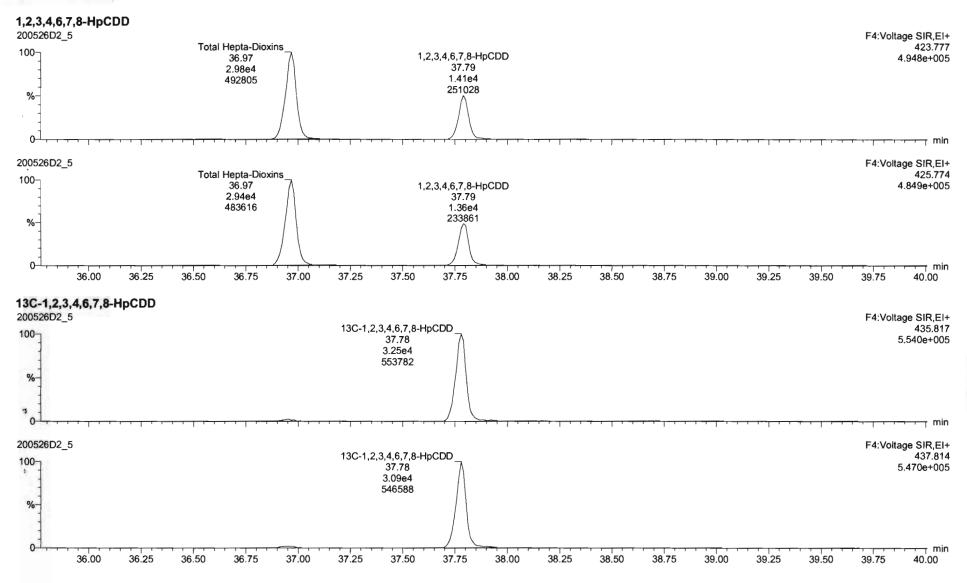


Page 371 of 586

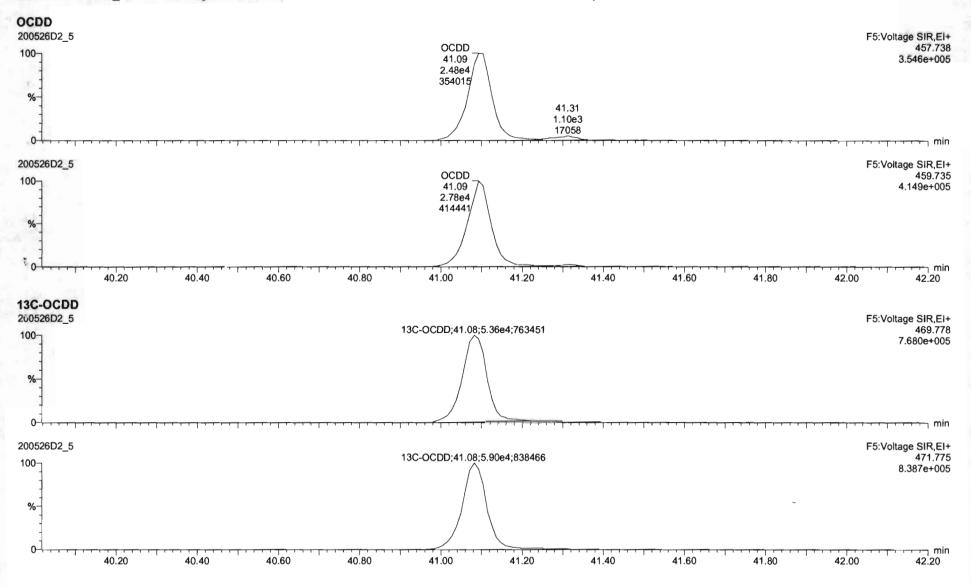
.



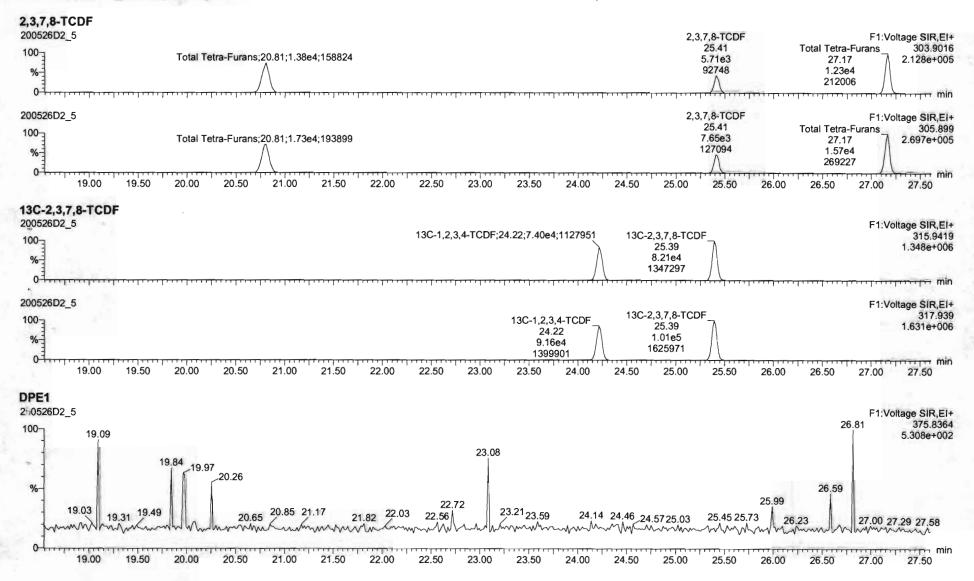
Quantify Sam Vista Analytica		Page 44 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



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	

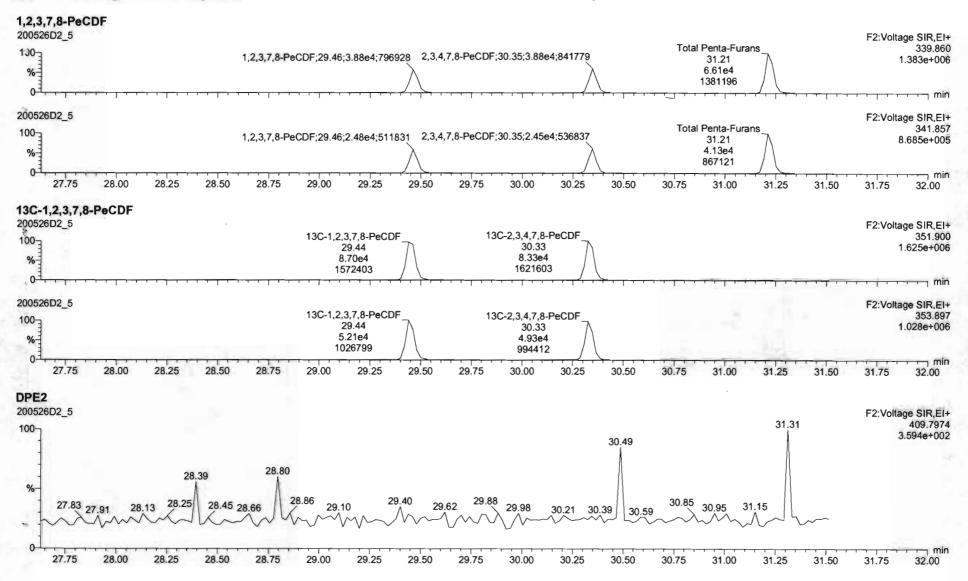


D'ataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707	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 a second stress of the second stress	
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	Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time	
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \begin{array}{c} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} $	Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	
$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \begin{array}{c} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \end{array} \\ \end{array} $		
20052602_5 110 121 FUNC_Pents-Furns 27.12 12 20052602_5 121 Func_Pents-Furns 27.12 122 122 122 122 122 122 122	Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 16*	13 CS3 20E0707, Description: 1613 CS3 20E0707
100 111 Func. Pents Fursts 27, 12 7, 1694 1220188 122018 122018 122018 12201 12550 26,00 26,50 26,00 26,50 26,00 26,50 26,00 26,50 27,00 27,10 27,10 20,00 26,50 27,00 27,10 20,00 26,50 26,00 26,50 26,00 26,50 27,00 27,10 27,10 20,00 26,50 27,00 27,10 27,10 20,00 26,50 26,00 26,50 26,00 26,50 27,00 27,10 27,10 27,10 27,10 20,00 26,50 26,00 26,50 27,00 27,10 27,10 27,10 20,00 20,50 21,50 20,00 26,50 26,00 26,50 27,00 27,10 27,20 20,20 2	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	o	
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 27, 28 27, 10 27, 28 27, 10 27, 28 27, 10 27, 28 27, 10 27, 28 23, 19 23, 86, 23, 94 24, 48 25, 38 25, 38 25, 85 26, 03 26, 55 27, 00 27, 28 27, 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} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \end{array}{0} \\{0} \\{0} \\{0} \\ \end{array}{0} \end{array}{0} \\\\{0} \end{array}{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\\\{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\\\{0} \end{array}{0} \\{0} \\{0} \\{0} \\{0} \\\\ \\{0} \\{0} \\{0} \\\\{0} \\\\{0} \\\\{0} \\\\{0} \\\\{0} \end{array}{0} \\{0} \\{0} \\{0} \\{0} \\{0} \\{0}		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 \\ $		
$\begin{array}{c} \text{DPE6} \\ \text{200526D2} 5 \\ 100 \\ 100 \\ 19.67 \\ 18.93 \\ 18.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 25.38 \\ 25.85 \\ 26.03 \\ 26.55 \\ 27.00 \\ 100 \\$		
$200526D2_{2}5$ $100 - 20.64 + 26.33 + 21.8522.11 + 23.53 + 25.85 + 26.03 + 26.55 + 27.00 + 27.24 + 48 + 25.01 + 25.0$	August 1	23.00 23.30 24.00 24.30 25.00 25.50 26.00 26.50 27.00 27
$\begin{array}{c} 27.14 & 4 \\ 4.94 \\ 26.33 \\ 19.67 \\ 18.93 \\ 18.86 & 19.00 \\ 19.49 & 19.86 \\ 19.00 & 19.49 \\ 19.86 \\ 19.00 & 19.49 \\ 19.86 \\ 19.00 & 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 19.00 \\ 19.49 \\ 19.86 \\ 20.78 \\ 20.84 \\ 21.37 \\ 21.78 \\ 22.15 \\ 22.56 \\ 23.19 \\ 23.86 \\ 23.94 \\ 24.20 \\ 24.63 \\ 25.38 \\ 25.85 \\ 26.03 \\ 26.55 \\ 27.00 \\ 10.0$		F1:Voltage
$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$		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 23.86 ^{23.94} 24.20 24.63 25.38 25.85 26.03 26.55 27.00 27.26 27.11 24.48 27.21 24.48 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 27.26 27.26 27.26 20.30 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 27.26 27.26 20.78 _{20.84} 21.37 ^{21.78} 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 27.26 27.26 27.26 20.78 _{20.84} 21.37 ^{21.78} 21.78 20.78 _{20.84} 21.37 ^{21.78} 21.78 25.85 26.03 26.55 27.00 47.26 27.26 27.26 27.26 27.26 27.26 28.85 26.03 26.55 27.00 47.26 29.25 27.26 29.25 21.25 22.56 23.19 23.86 23.94 29.86 23.94 24.20 24.63 25.38 25.85 26.03 26.55 27.00 47.26 20.78 _{20.84} 21.37 ^{21.78} 21.78 20.78 20.84 21.37 ^{21.78} 21.78 20.78 20.84 21.37 ^{21.78} 21.78 20.84 21.37 ^{21.78} 21.78 20.84 21.37 ^{21.78} 21.78 20.84 21.37 ^{21.78} 21.78 20.84 21.37 ^{21.78} 22.15 22.56 ^{23.94} 23.94 24.20 24.63 25.85 26.03 26.55 27.00 47.26 20.2	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 27.20
0	hand have alle Many and Many Many Marine Barrison	MAN
		23.00 23.50 24.00 24.50 25.00 25.50 26.00 26.50 27.00 27
	Work Order 2001132	Page 376 of

	ample Report tical Laboratory	MassLynx 4.1
Dataset:	U:\VG7.PRO\I	Results\200526D2\200526D2_CRV.qld

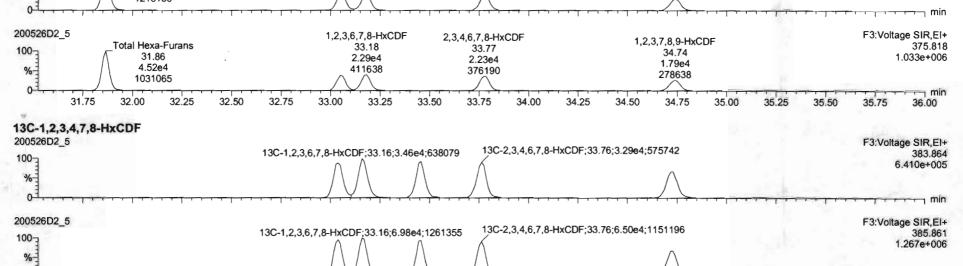
Last Altered:Wednesday, May 27, 2020 11:41:15 Pacific Daylight TimePrinted:Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

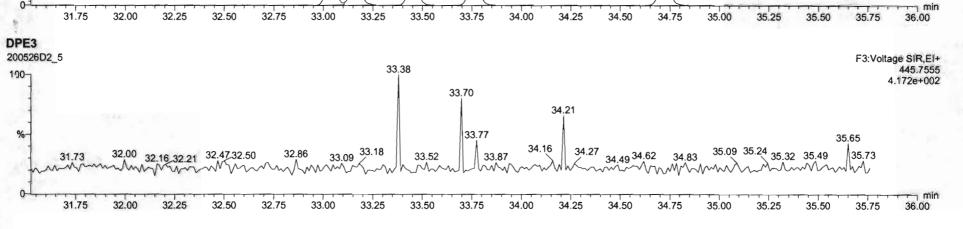
Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707



Page 48 of 78

Quantify Sam Vista Analytica		4.1			Page 49 of 78
Dataset:	U:\VG7.PRO\Results\290526	D2\200526D2_CRV.qld			
Last Altered: Printed:	Wednesday, May 27, 2020 11 Wednesday, May 27, 2020 11				
Name: 200520	6D2_5, Date: 26-May-2020, Tir	me: 23:12:55, ID: ST200526D2	-4 1613 CS3 20E0707, Des	cription: 1613 CS3 20E0707	
1,2,3,4,7,8-Hx 200526D2_5	CDF	1,2,3,6,7,8-HxCDF	2.3.4.6.7.8-HxCDF	1,2,3,7,8,9-HxCDF	F3:Voltage SIR,EI+
100	Total Hexa-Furans 7 31.86	33.18 2.85e4	33.79 2.79e4	34.74 2.28e4	373.821 1.216e+006
%	5.64e4 1213186	534264	484611	357619	

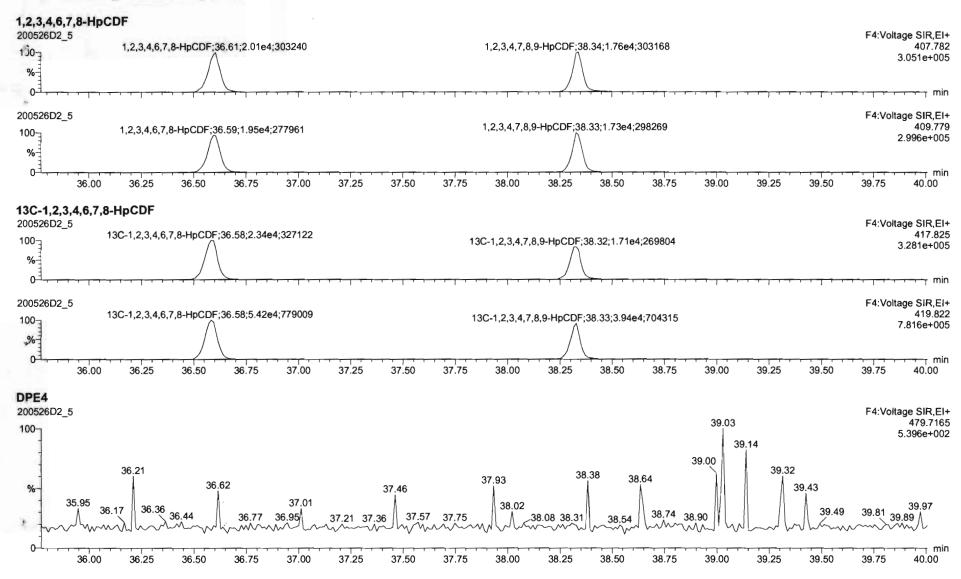




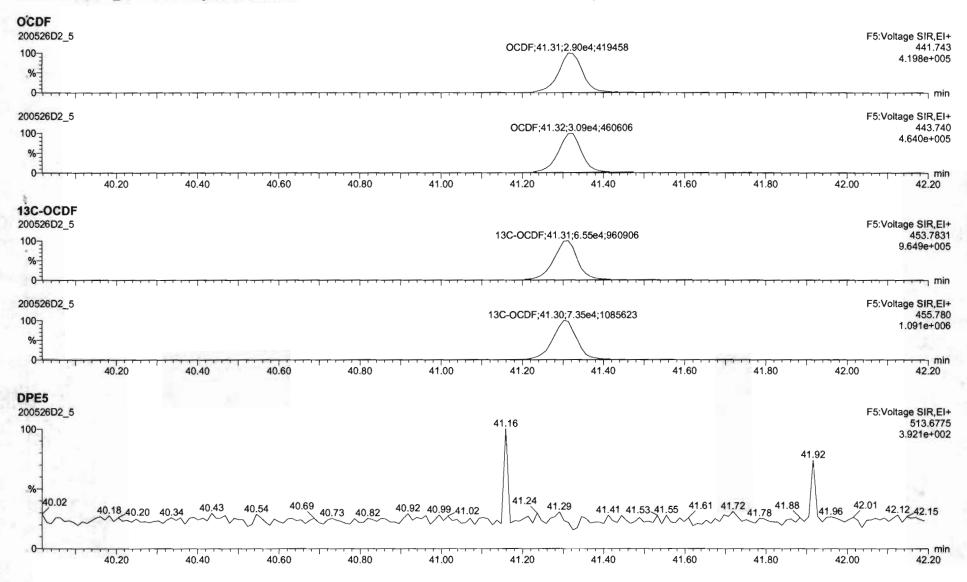
Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory

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

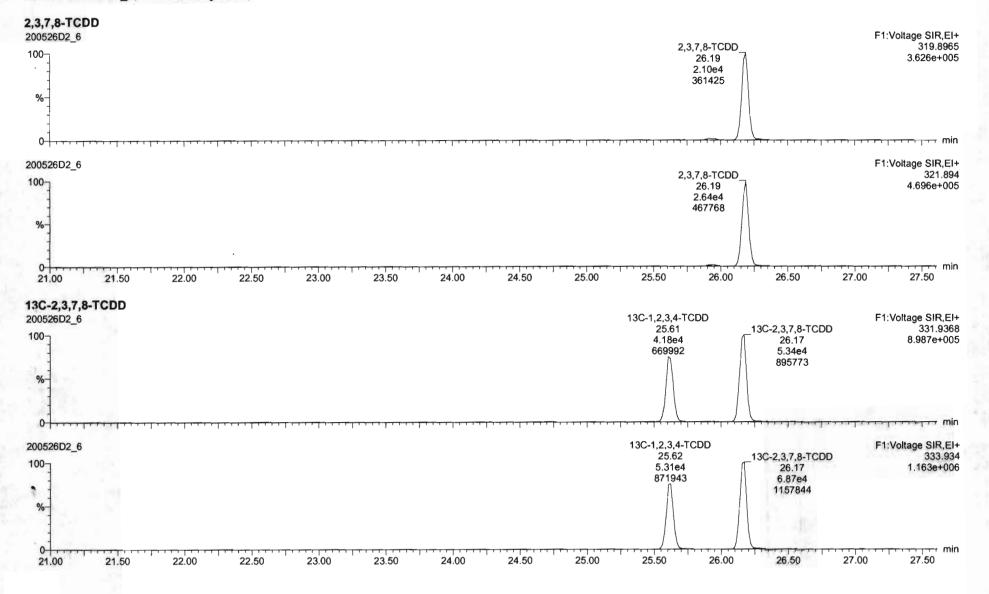


Quantify San Vista Analytica		Page 51 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

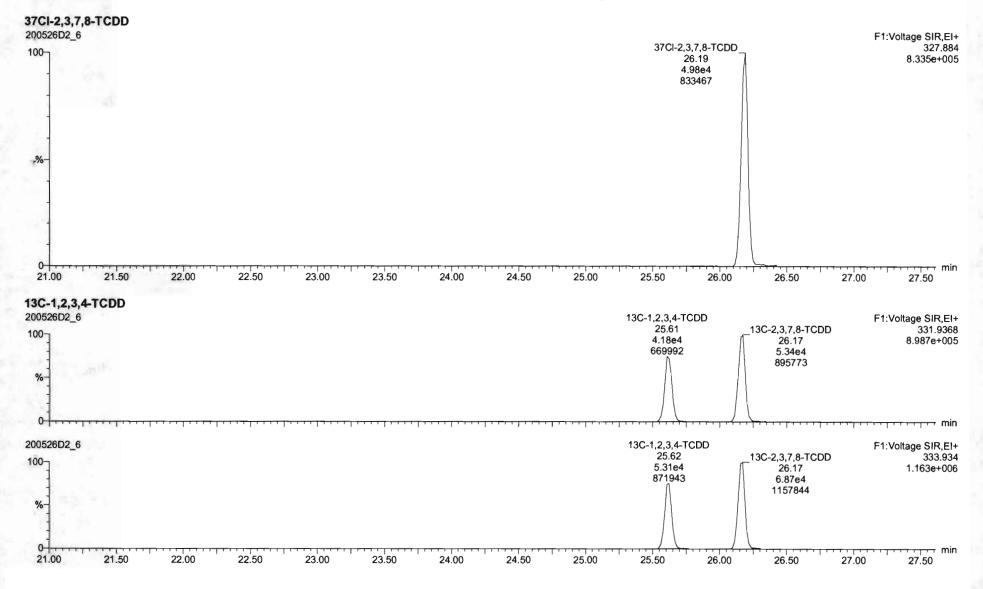


uantify Sam ista Analytica		MassLynx 4.1									Pa	ge 52 of 7
ataset:	U:\VG7.PRO\	Results\200526D2	200526D2_CRV	.qld								
ast Altered: rinted:		May 27, 2020 11:4 May 27, 2020 11:4										
me: 200526	8D2 5 Date: 2	6-May-2020, Time	· 23·12·55 ID: ST	F200526D2-4 1	613 (\$3 205		intion: 161	CS3 20E0	/07			
K1		-may-LoLo, mine	. 20. 12.00, 10. 0		010 000 201	.0101, Desci		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᠆ᠬ᠕᠆ᠰ	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												

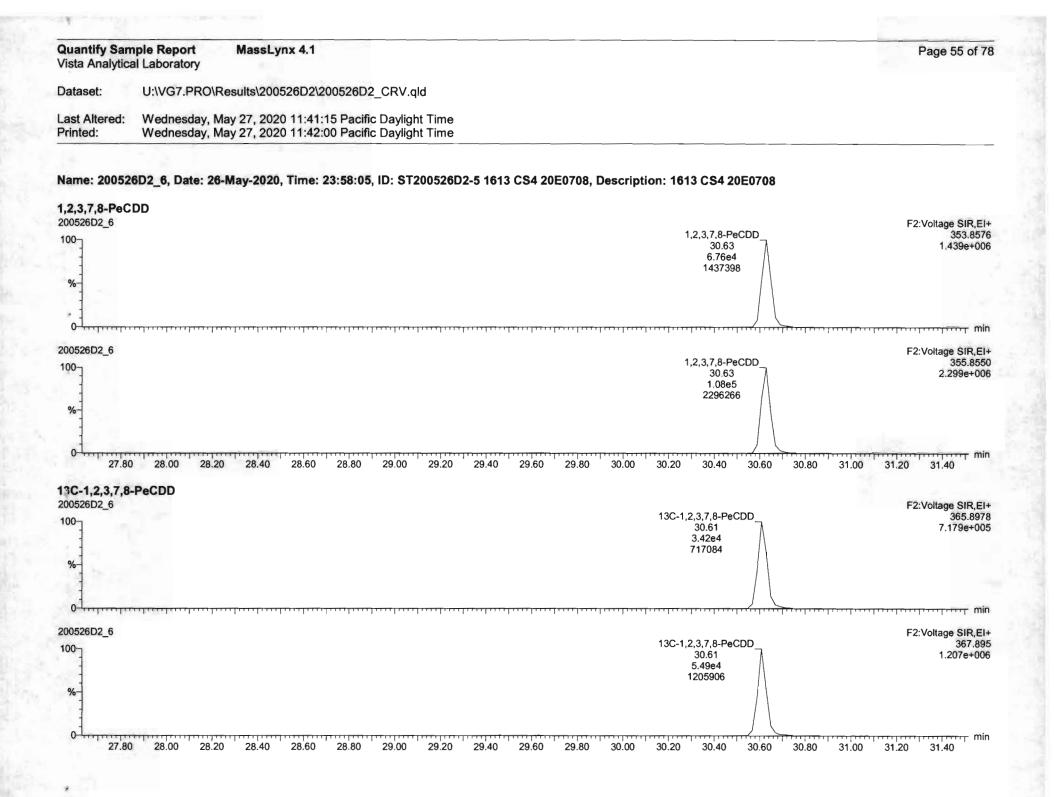
Quantify Sam Vista Analytica		Page 53 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

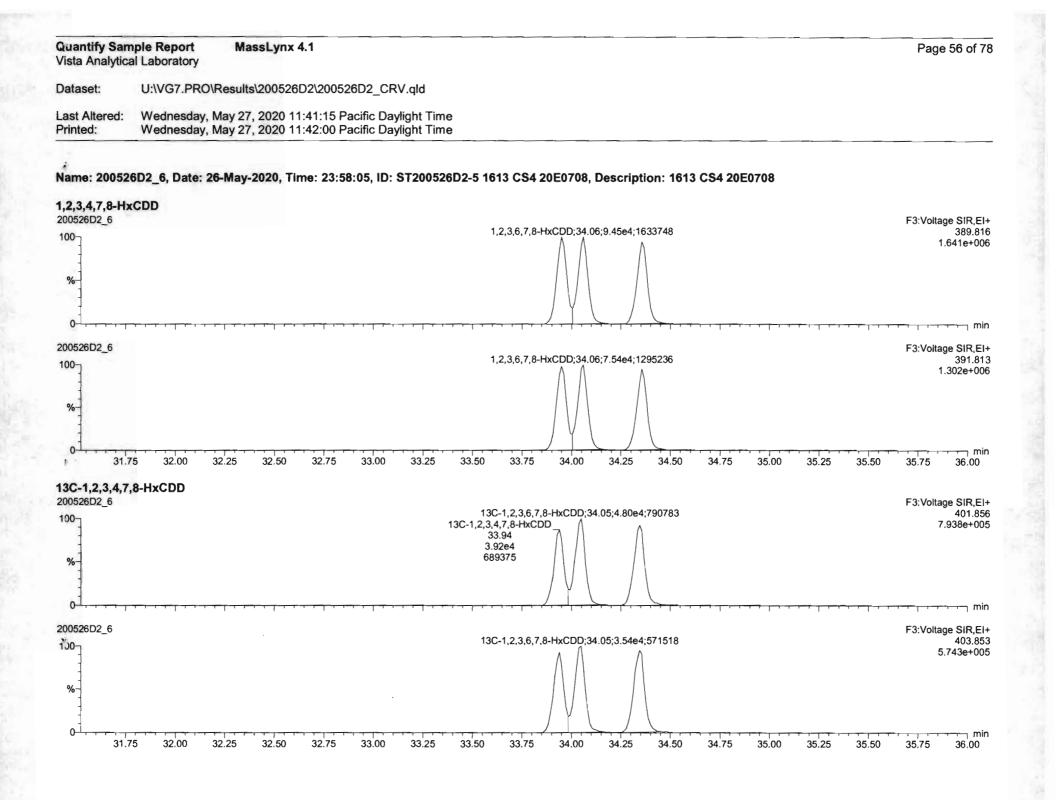


Quantify San Vista Analytica		Page 54 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

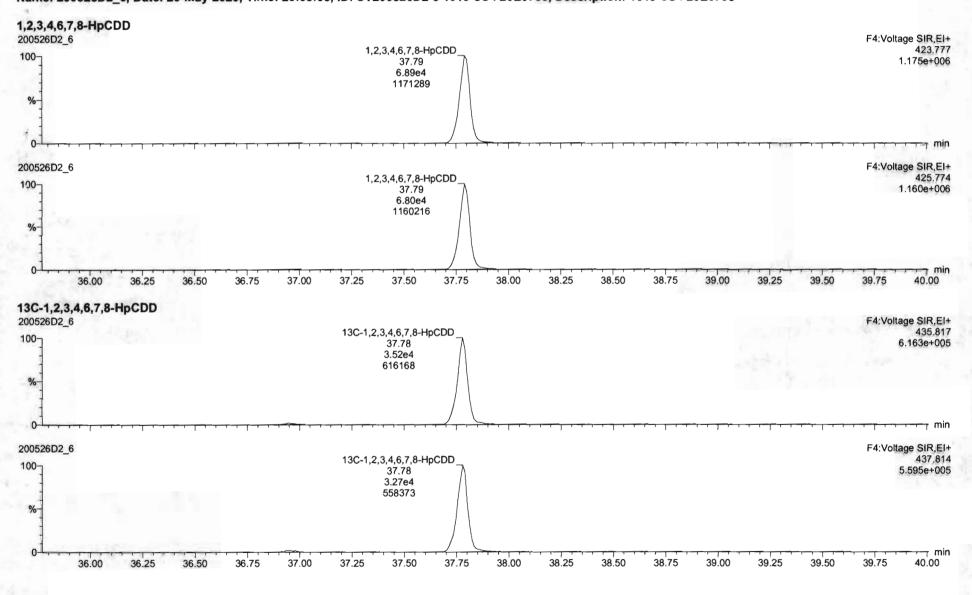


Page 383 of 586

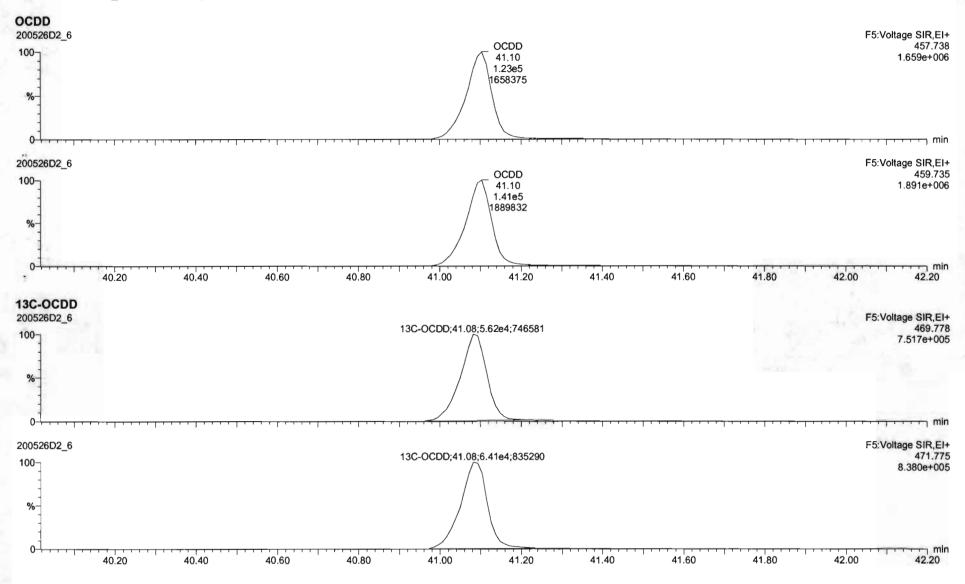




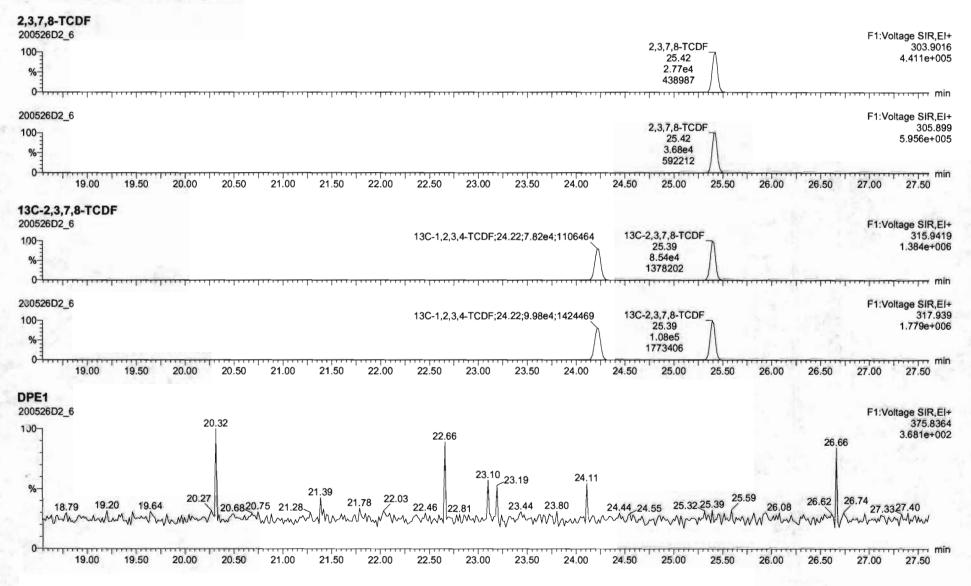
Page 57 of 7	MassLynx 4.1			Quantify Samp Vista Analytical
	tesults\200526D2\200526D2_CRV.qld	O\Resu	U:\VG7.PRO	Dataset:
	ay 27, 2020 11:41:15 Pacific Daylight Time ay 27, 2020 11:42:00 Pacific Daylight Time			

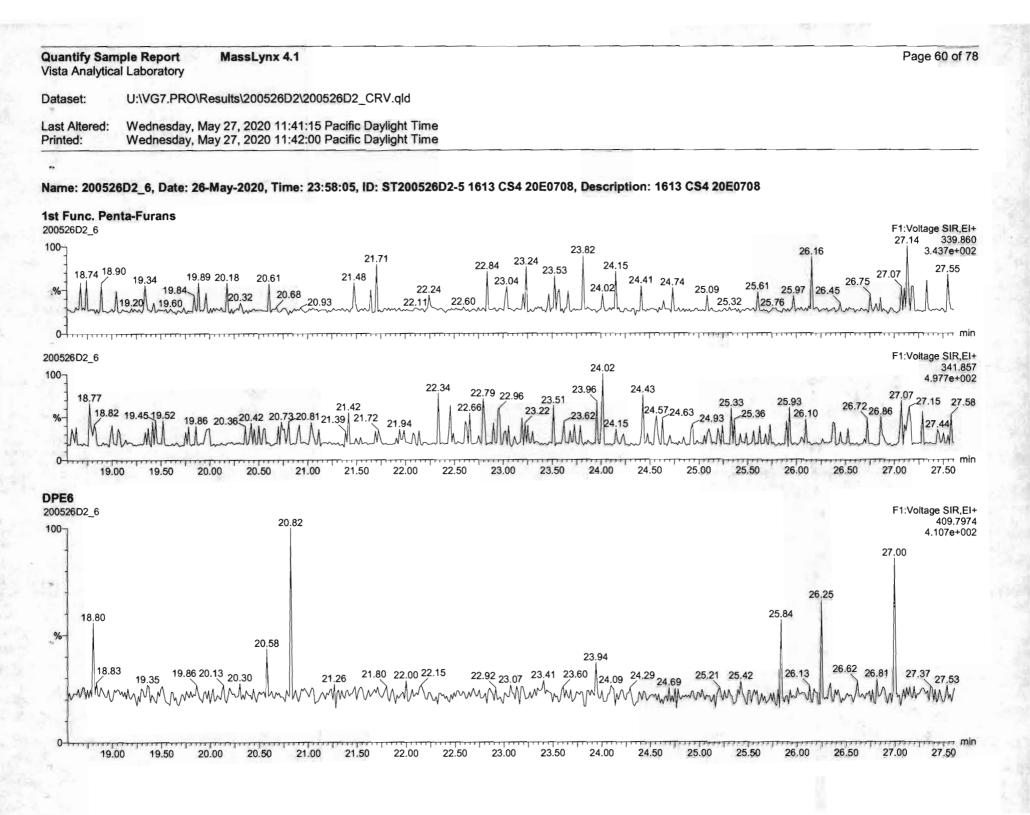


Quantify Sam Vista Analytica		Page 58 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



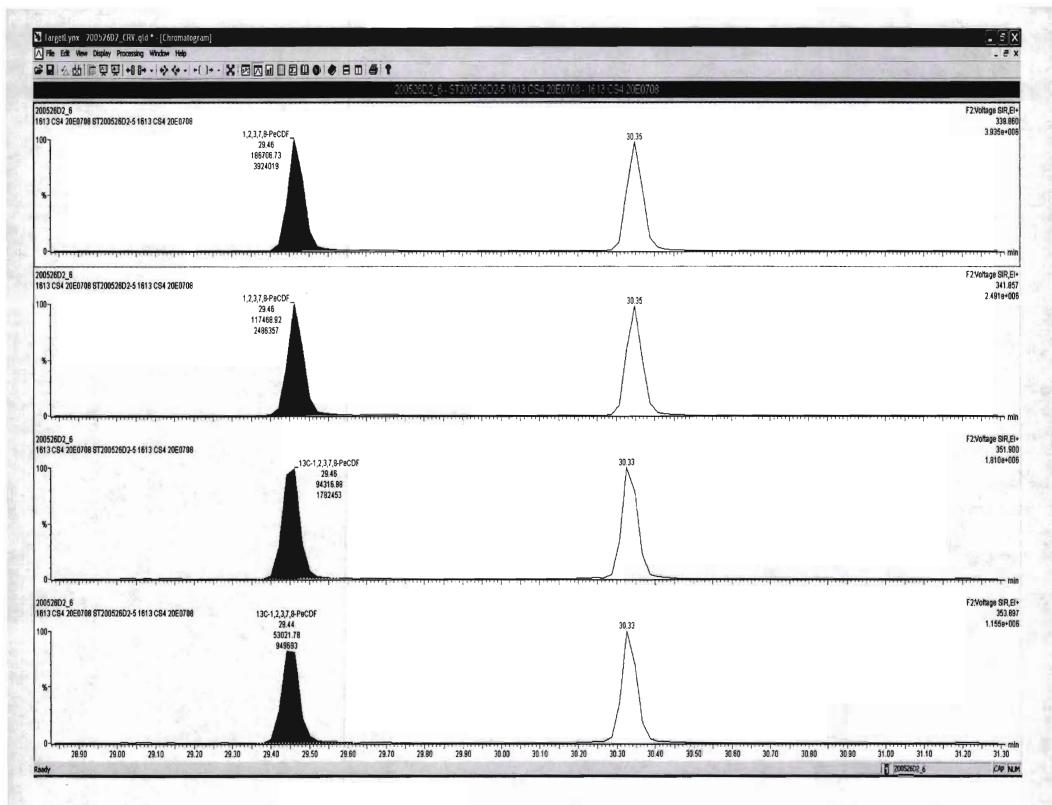
Quantify San Vista Analytica		Page 59 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



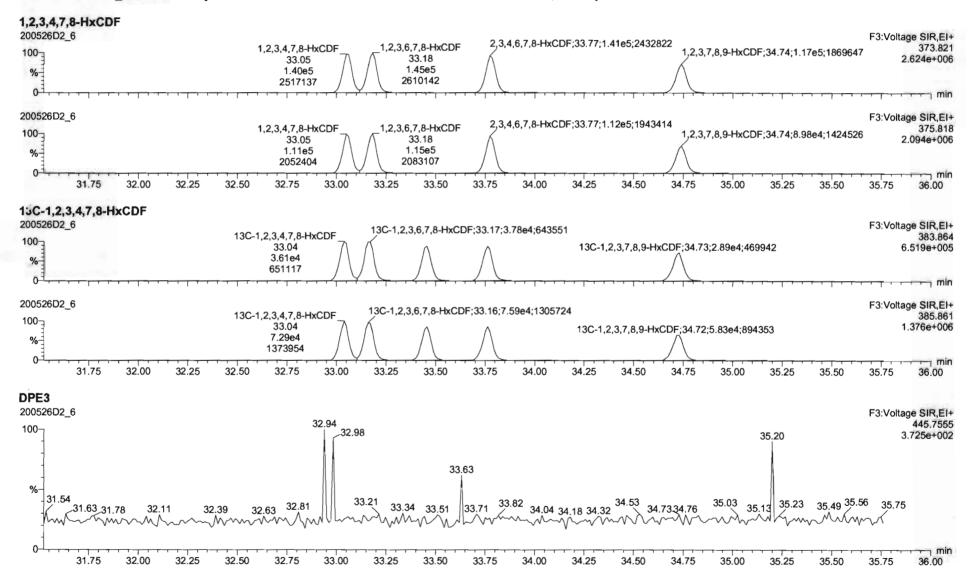


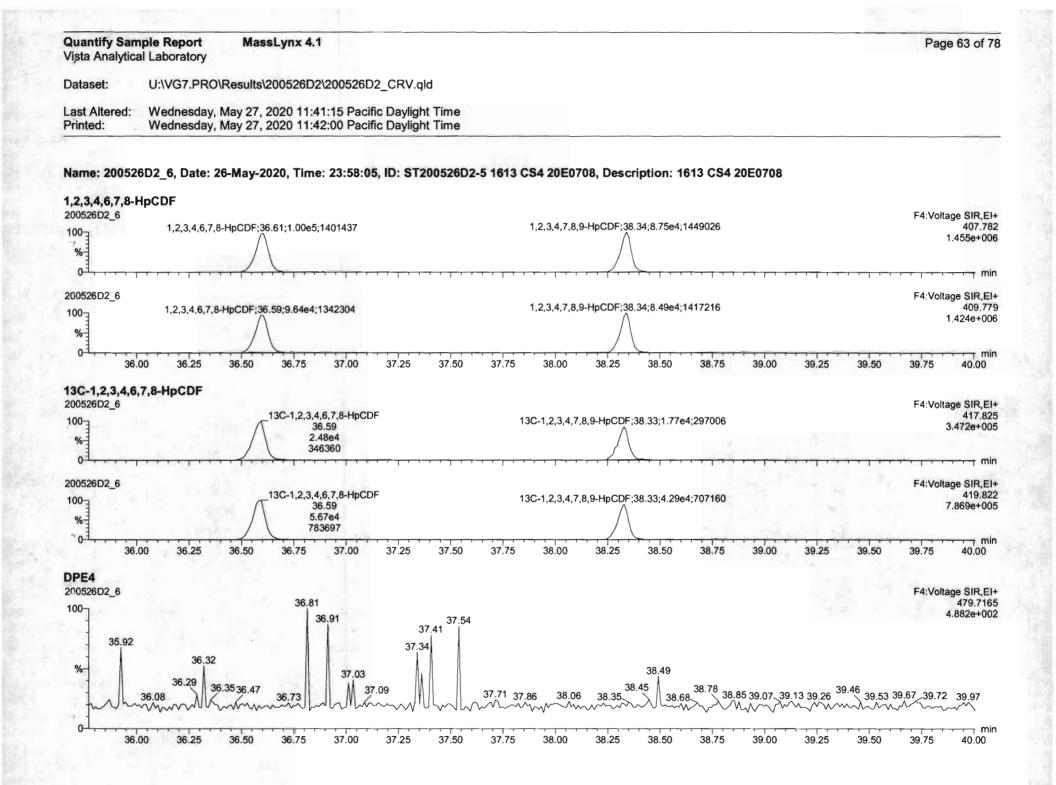
luantify Sam ista Analytica			MassLy	nx 4.1												Page 61 of 7
ataset:	U:\VG7.	PRO\Re:	sults\2005	526D2\200	0526D2_0	CRV.qld										
ast Altered: rinted:	Wednes	day, May day, May	/ 27, 2020 / 27, 2020) 11:41:15) 11:42:00	Pacific [Pacific [Daylight Ti Daylight Ti	me me									
ame: 200520	6D2_6, Da	te: 26-N	lay-2020,	Time: 23	: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,E
00 %					1,2	2,3,7,8-PeCI 29.46 1.87e5 3924019			30 1.8	3-PeCDF .35 4e5	1					339.86 3.935e+00
01,		· · · · · · · · · · · · · · · · · · ·	· · · · · · ·	· · · · ·				- 				, , , , , , ,	~ .	-1 -1 -1 -1 -1 -1 -1 -1		
00526D2_6					1,2	2,3,7,8-PeCI 29.46 1.17e5 2486357			30 1.1	B-PeCDF .35 6e5 8833	١					F2:Voltage SIR,E 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
3C-1,2,3,7,8- 00526D2_6	PeCDF		13C-1	,2,3,7,8-PeC	CDF;29.46;§	9.60e4;1791	023	13	C-2,3,4,7,8- 30.33 8.95e4 180711	• 7						F2:Voltage SIR,E 351.9(1.810e+0(
0 1, , , , , , , , , , , , , , , , , , , 	· · · · · · · · ·		13C-1	,2,3,7,8-Pe	CDF;29.44;	5.30e4;9494	62	13	C-2,3,4,7,8- 30.33		· • · · • •	· · · · · ·	<u></u>	- , , , , ,	<u> </u>	F2:Voltage SIR,E 353.89 1.155e+00
%							Λ		5.45e4 115199	• /\	l					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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,E 409.797
00	2	8.17				Å	9.40									4.063e+00
94		Λ					Å						31,05			
27.89	07.02	28.29	28.37 ∠ 28.6	8 28.78 28.	92		29.50	29.70 29.8	4 00	.13 30.23	30.57	30.8	. Λ	31.19 31	25	

----- min 32.00 0 27.75 29.25 30.50 31.75 28.00 29.00 29.50 29.75 31.00 28.25 31.25 28.50 28.75 30.00 30.25 30.75 31.50

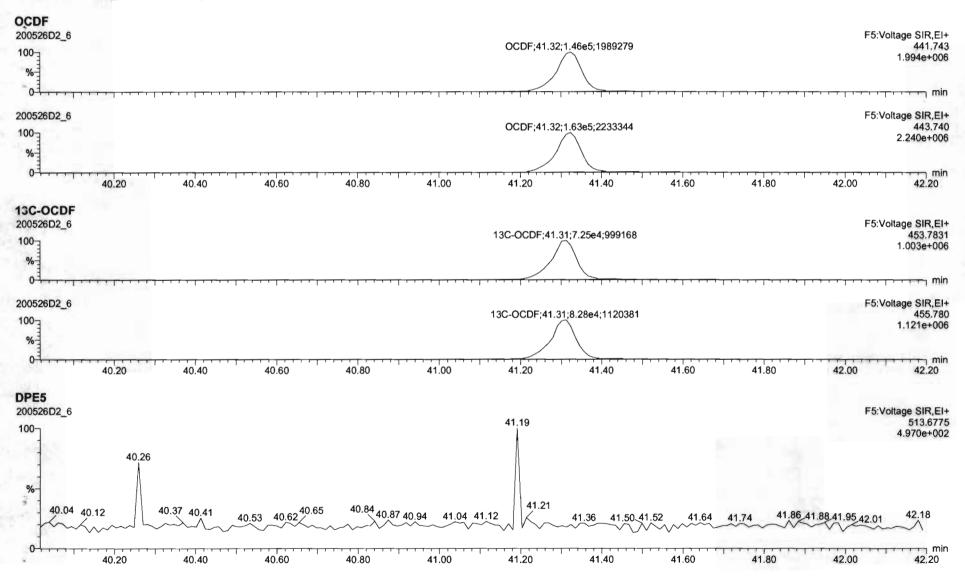


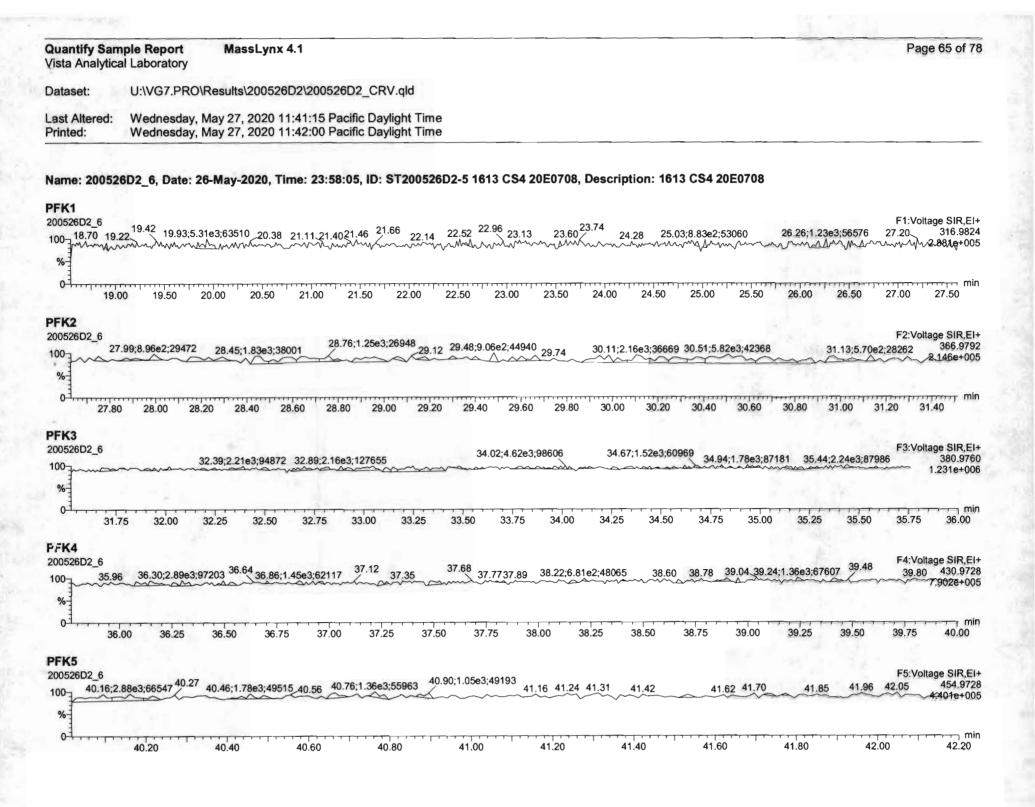
Quantify San Vista Analytic		Page 62 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



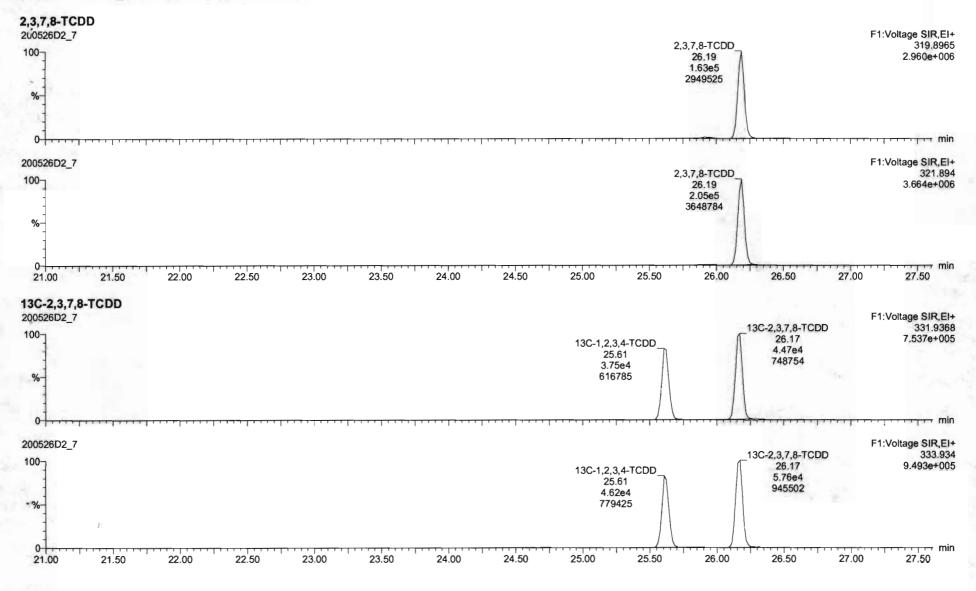


Quantify Sam Vista Analytica		Page 64 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

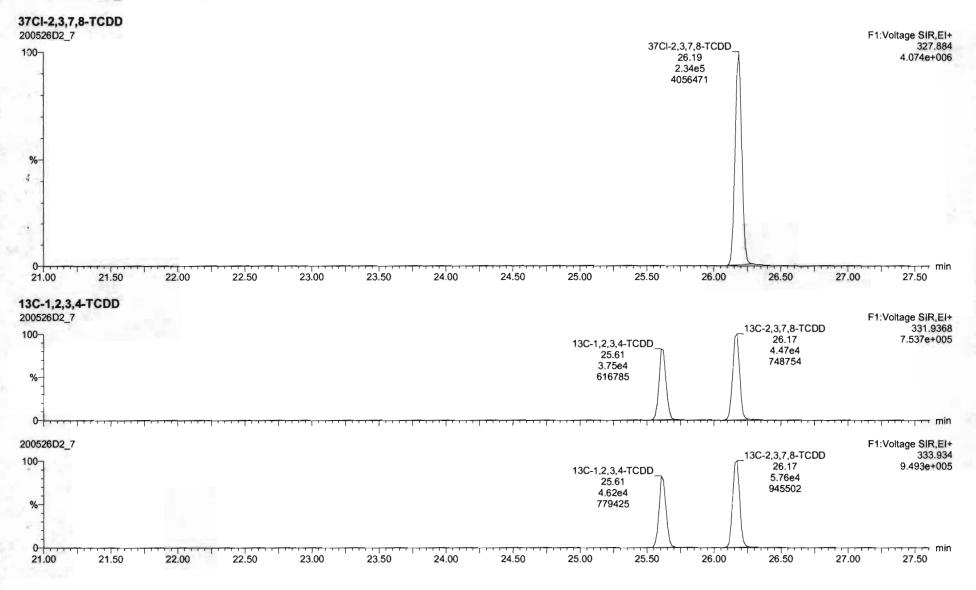




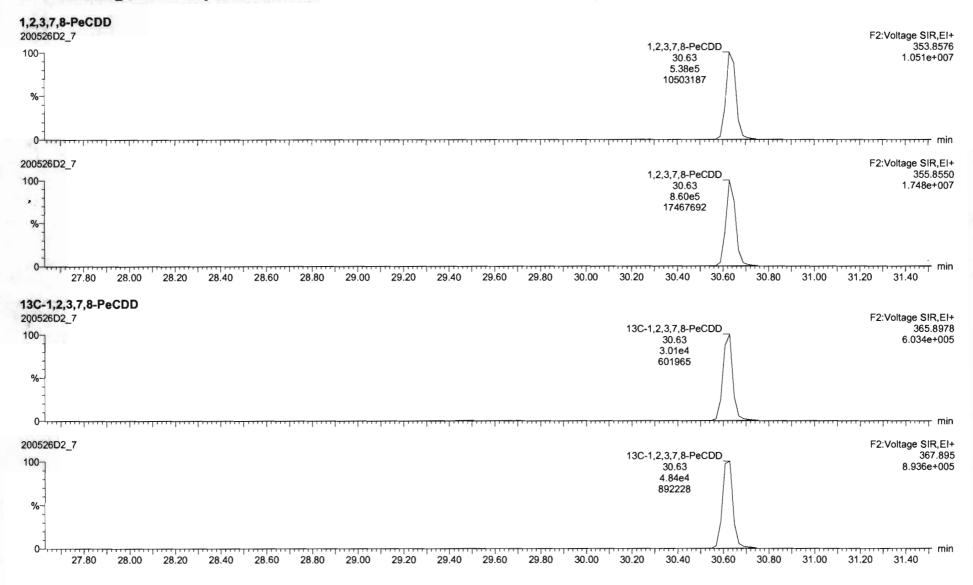
Quantify Sam Vista Analytica		Page 66 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



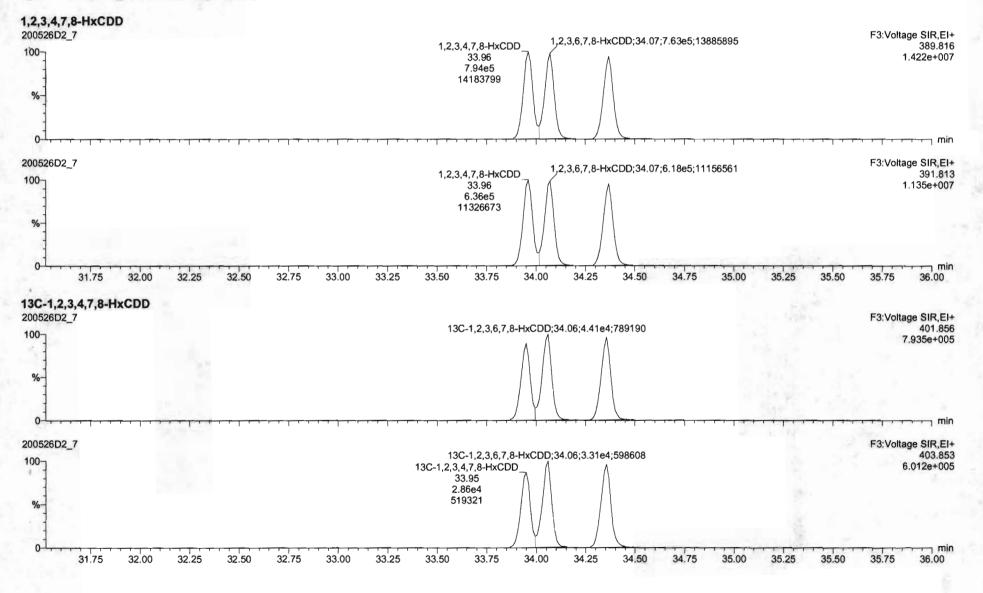
Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory		Page 67 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



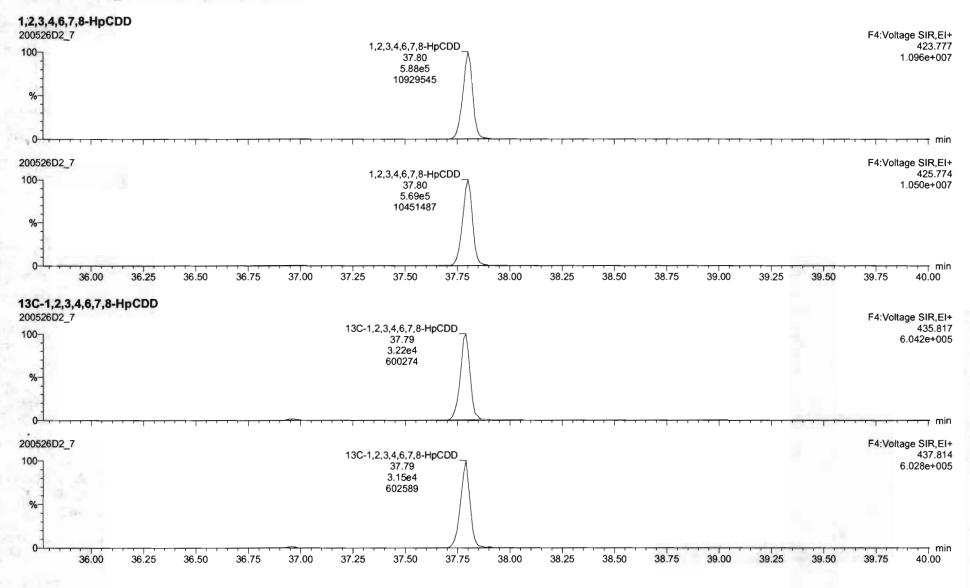
Quantify Sample Report MassLynx 4.1 Vista Analytical Laboratory Image: Comparison of the second se		Page 68 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



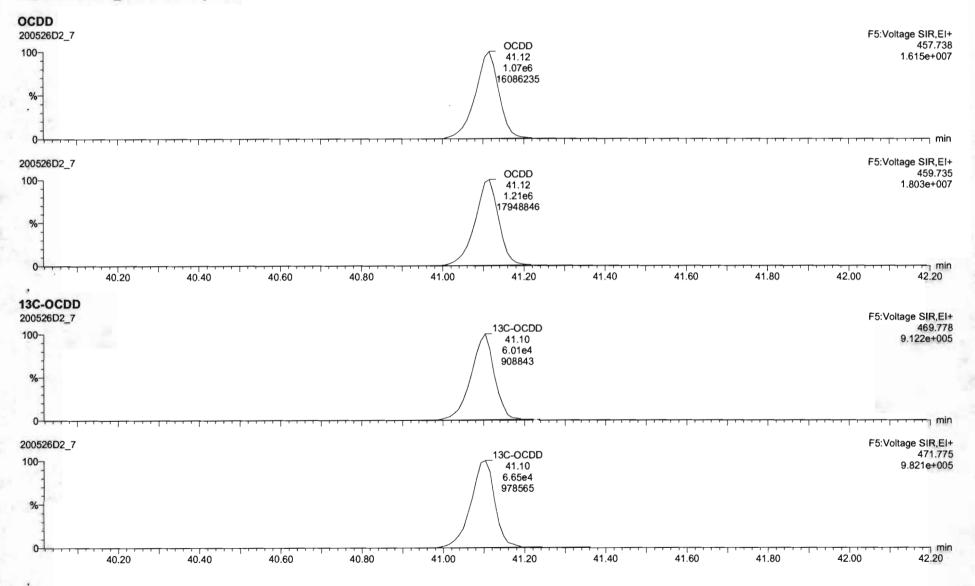
rt MassLynx 4.1	Page 69 of 78
PRO\Results\200526D2\200526D2_CRV.qld	
7.F	ntory 7.PRO\Results\200526D2\200526D2_CRV.qld esday, May 27, 2020 11:41:15 Pacific Daylight Time esday, May 27, 2020 11:42:00 Pacific Daylight Time



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	



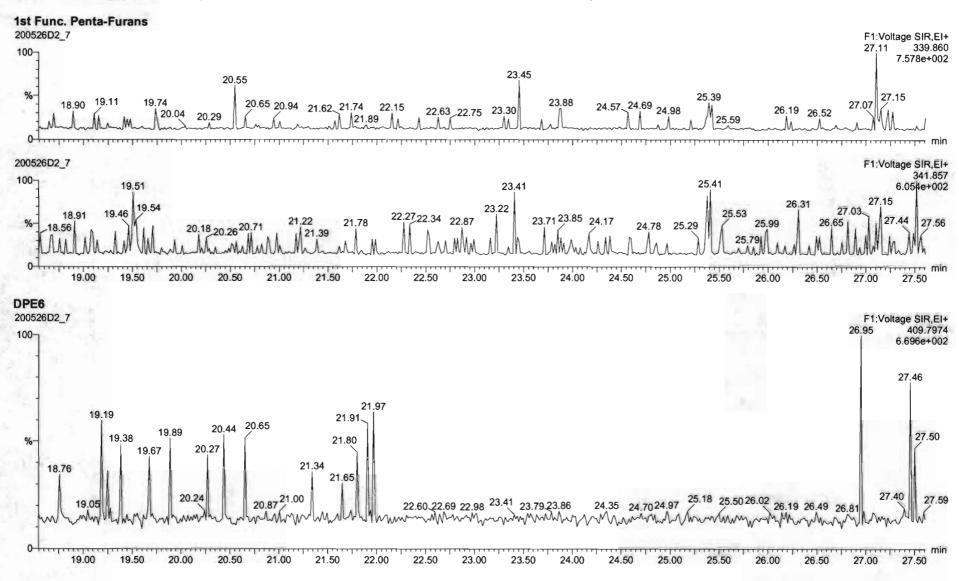
Quantify Sam Vista Analytica		Page 71 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



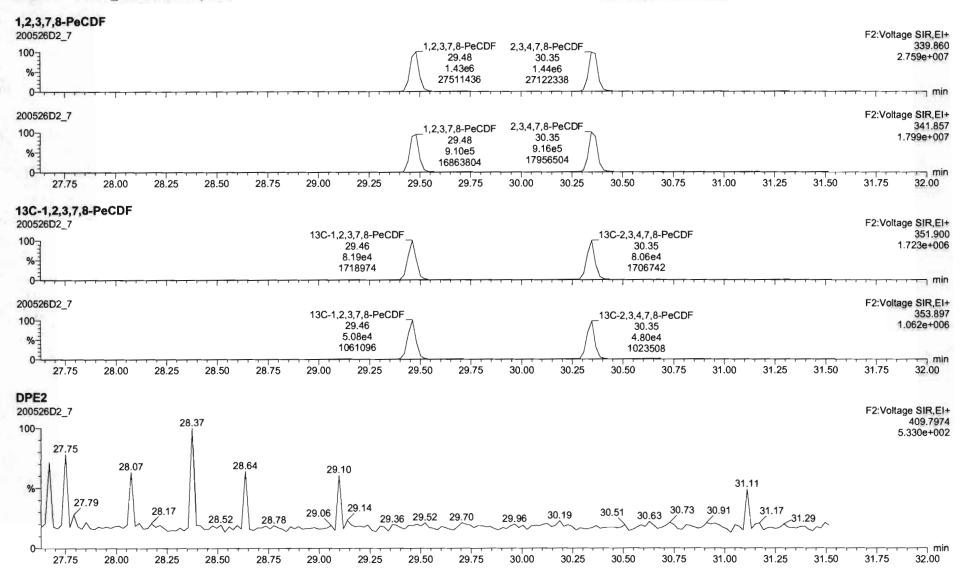
antify Sample Report Sta Analytical Laboratory	MassLynx 4.1			Page 72 of
taset: U:\VG7.PRO\Res	ults\200526D2\200526D2_CRV.qld			
st Altered: Wednesday, May inted: Wednesday, May	27, 2020 11:41:15 Pacific Daylight Time 27, 2020 11:42:00 Pacific Daylight Time			
,,,,,,				
me: 200526D2_7, Date: 27-M	ay-2020, Time: 00:43:15, ID: ST200526D2-6	1613 CS5 20E0709, Descript	ion: 1613 CS5 20E0709	
3,7,8-TCDF				
0526D2_7			2,3,7,8-TCDF_	F1:Voltage SIR, 303.90
			25.42 2.21e5	3,613e+(
0	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	3597403	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
0526D2_7				F1:Voltage SIR,
07			2,3,7,8-TCDF 25.42	305.8 4.586e+0
% -			2.88e5 4564793	4,0000
0		0 23.00 23.50 24.00	24.50 25.00 25.50	26.00 26.50 27.00 27.50
19.00 19.50 20.00	20.50 21.00 21.50 22.00 22.50	23.00 23.30 24.00	24.50 25.00 25.50	26.00 26.50 27.00 27.50
C-2,3,7,8-TCDF 0526D2_7				F1:Voltage SIR,
10 ₇		13C-1,2,3,4-TCDF 24.22	13C-2,3,7,8-TCDF	315.94 1.186e+0
%-		7.29e4 1051161	7.34e4 1180930	
0 1				
0526D2_7			13C-2,3,7,8-TCDF_	F1:Voltage SIR, 317.9
		13C-1,2,3,4-TCDF 24.22	25.39 9.32e4	1,525e+(
0		9.20e4 1330552	1520791	
19.00 19.50 20.00	0 20.50 21.00 21.50 22.00 22.50	0 23.00 23.50 24.00	24.50 25.00 25.50	26.00 26.50 27.00 27.50
PE1				
0526D2_7	20.68			F1:Voltage SIR, 375.8
00-				6.084e+
- 19.34	22	.61		26.69
19.61		23,24	24.41	
	20.27 21.17 21.92	22.85 24.15		26.37
18.94 19.29 19.66 20.	09 20.53 21.57 22.14	22.90 23.39 24.09	24.55 24.63 25.12 25.41	25.84 26.37 26.56 27.03 27.55

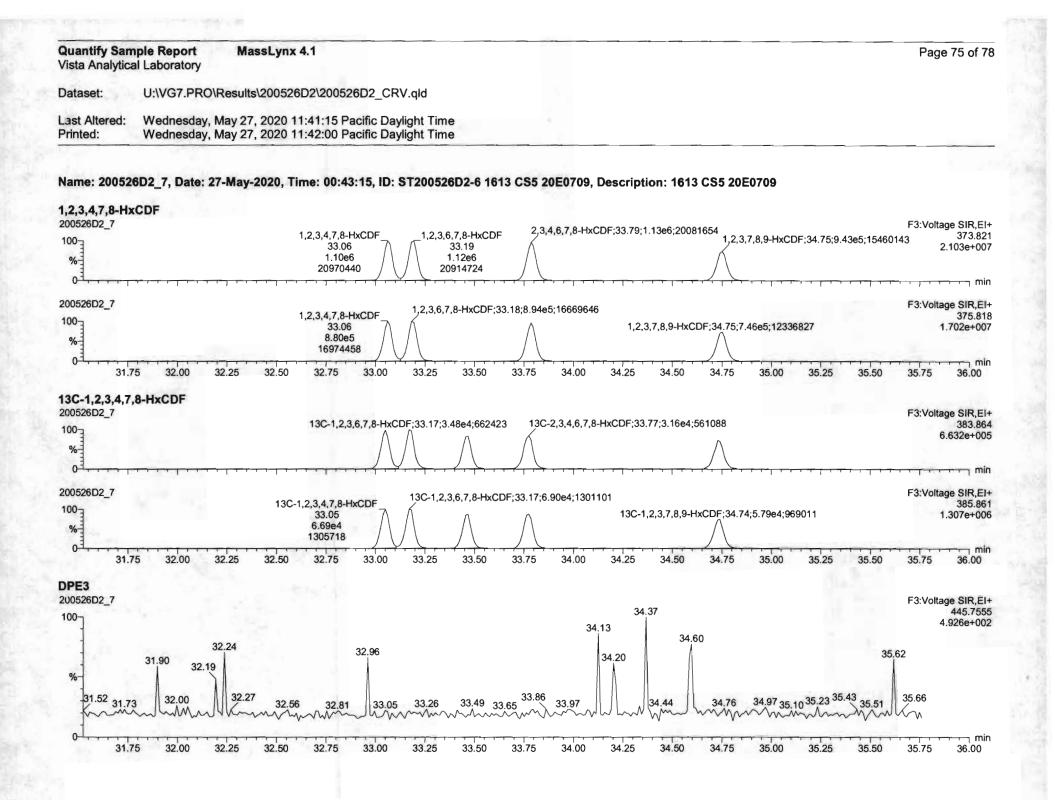
Work Order 2001132

Quantify Sam 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	

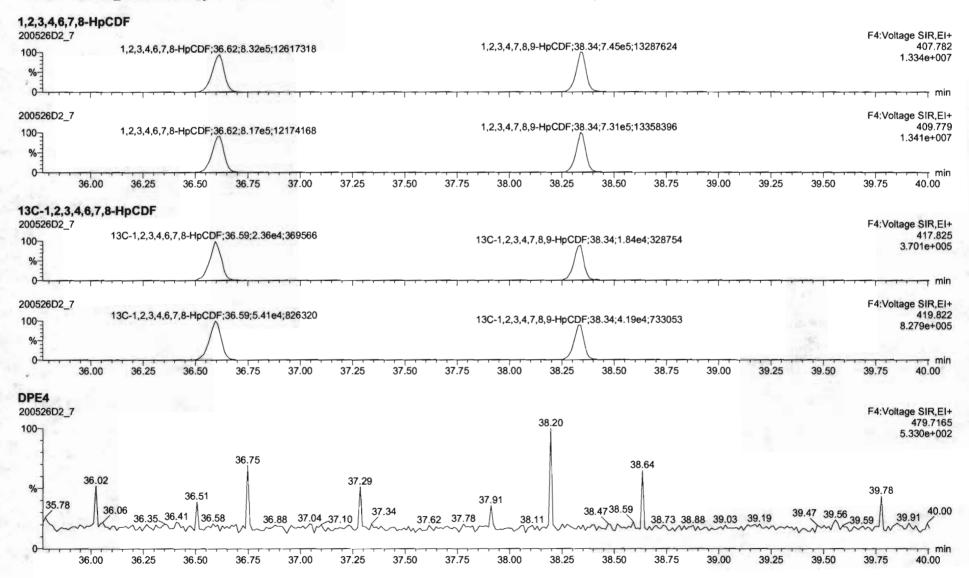


Quantify San Vista Analytica		Page 74 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	

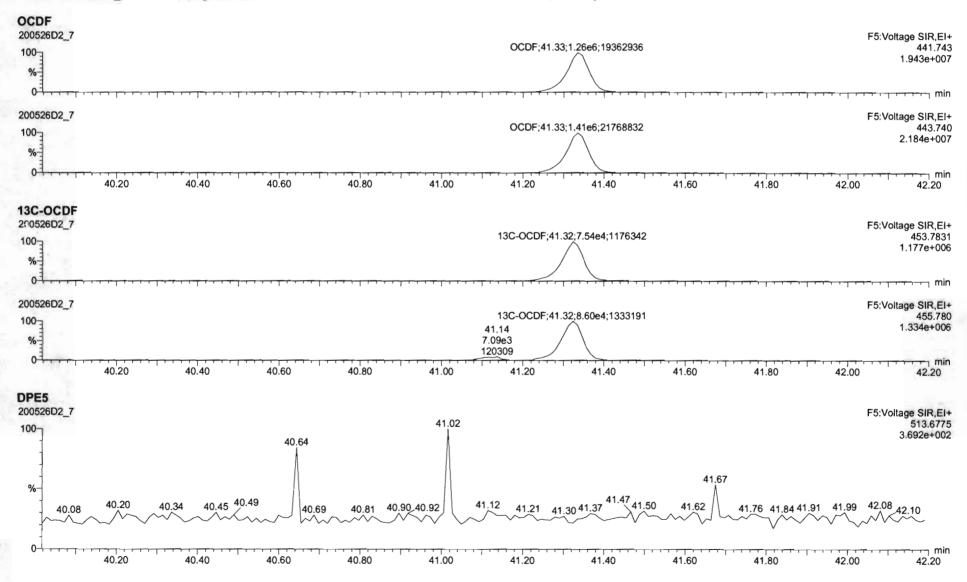


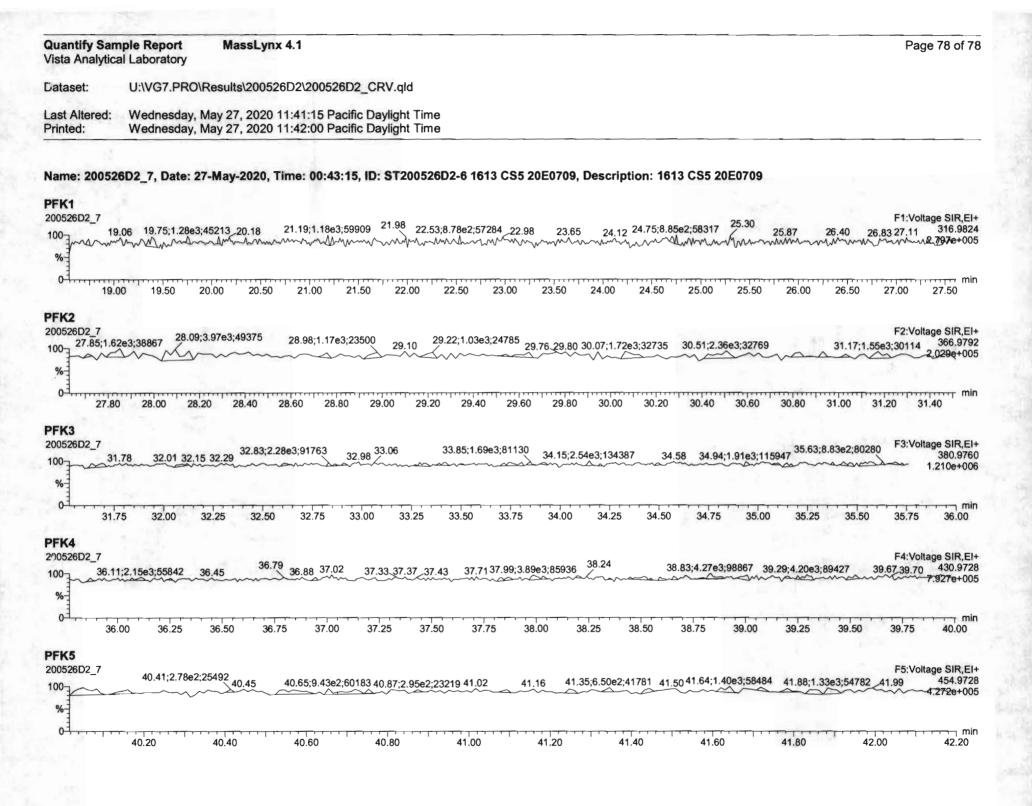


Quantify Sam Vista Analytica		Page 76 of 78
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time	



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	



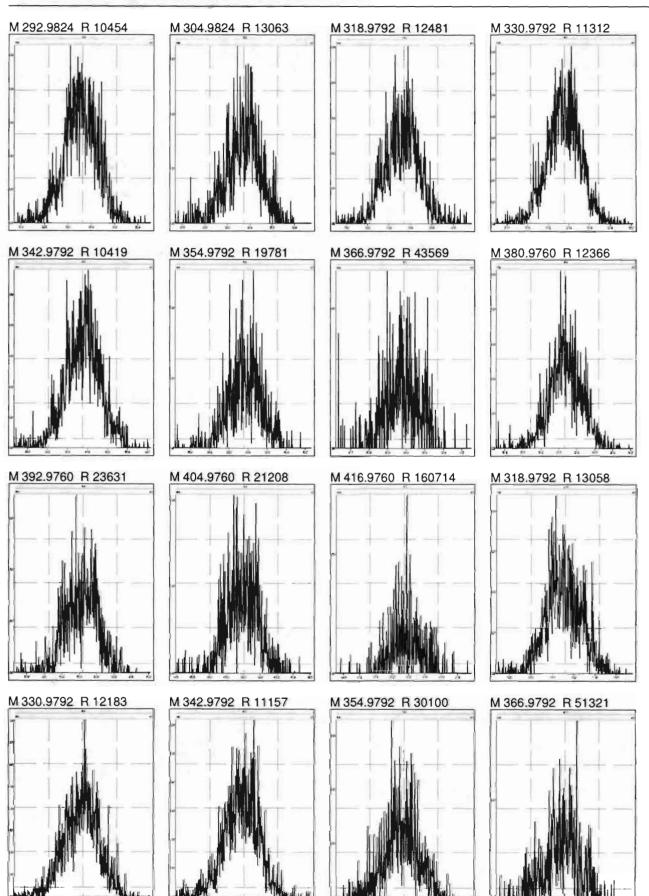


Resolution Check Report

MassLynx 4.1

Page 1 of 3

Printed: Wednesday, May 27, 2020 03:53:03 Pacific Daylight Time

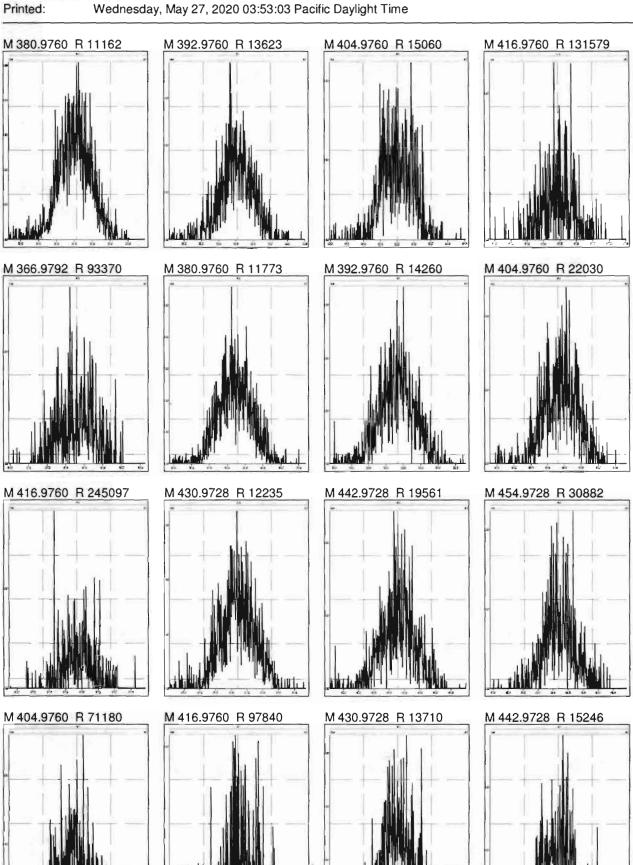


Resolution Check Report

MassLynx 4.1

Page 2 of 3

Printed:



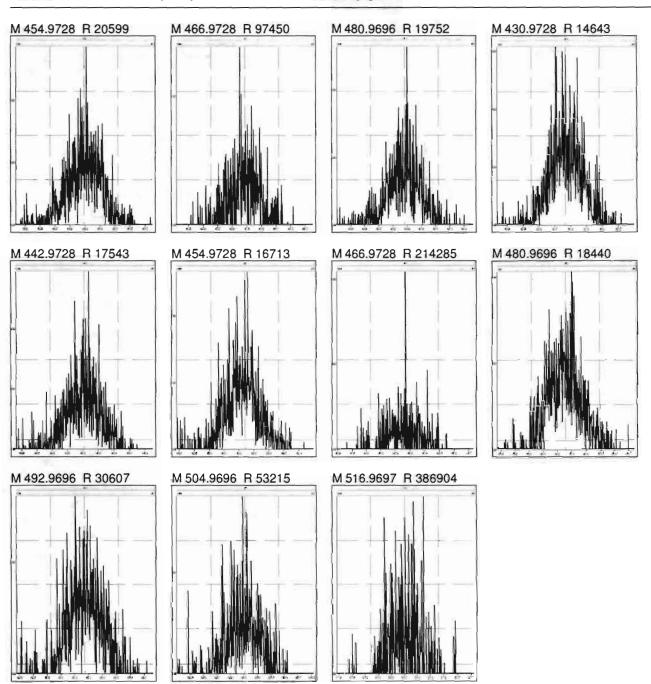
Work Order 2001132

Resolution Check Report

MassLynx 4.1

Page 3 of 3

Printed: Wednesday, May 27, 2020 03:53:03 Pacific Daylight Time



	mple Summary Report cal 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

0705/27/2000 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					-
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	

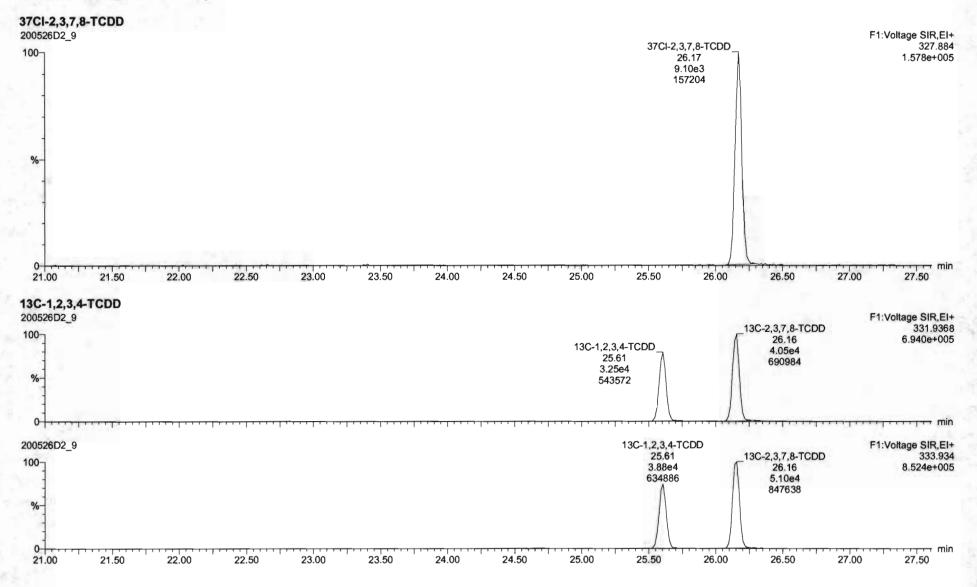
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

Last Altered:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time
Printed:	Wednesday, May 27, 2020 12:02:16 Pacific Daylight Time

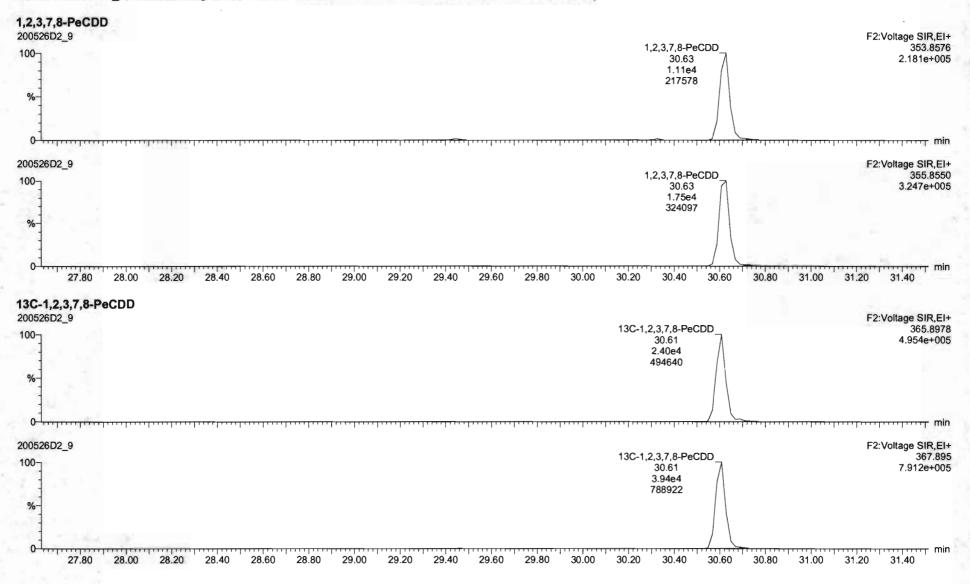
The state	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.52e4	0.44	NO	0.811	1.000	36.355	36.58	1.087	1.094	100.14	100	0.525	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.88e4	0.43	NO	0.598	1.000	38.361	38.32	1.147	1.146	101.56	102	0.711	
34	34 13C-OCDF	1.22e5	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	

	nple Report al Laboratory	MassLynx 4	.1							Page 1 of 1
Dataset:	U:\VG7.PRO\	Results\200526E	2\200526D2_9	9.qld						
ast Altered: Printed:		May 27, 2020 12 May 27, 2020 12								
		ult.pro\Methdb\1 rveDB\db-5_16				24				
				-			, Description: 1613 SS	S 20E0710		
,3,7,8-TCDD										
200526D2_9							2,5	8,7,8-TCDD 26.17 4.34e3 72840		F1:Voltage SIR,E 319.89 7.310e+0
0 00526D2_9				1	1		2,	3,7,8-TCDD 26.17 5.27e3	· · · · · · · · · · · · · · · · · · ·	F1:Voltage SIR, 321.8 8.747e+0
%- 0	21.50 22	.00 22.50	23.00	23.50	24.00	24.50	25.00 25.50	86992 26.00	26.50	27.00 27.50
3C-2,3,7,8-1 00526D2_9	TCDD								_13C-2,3,7,8-TCDD	F1:Voltage SIR,E 331.93
100- 							13C-1,2,3,4-TCDD 25.61 3.25e4 543572	\bigwedge	26.16 4.05e4 690984	6.940e+(
0								/	L	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			. 1		- '					F1:Voltage SIR,I
00526D2_9							13C-1,2,3,4-TCDD_	ſ	_13C-2,3,7,8-TCDD 26.16 5.10e4	333.9 8.524e+0
200526D2_9 100 %							25.61 3.88e4 634886		847638	

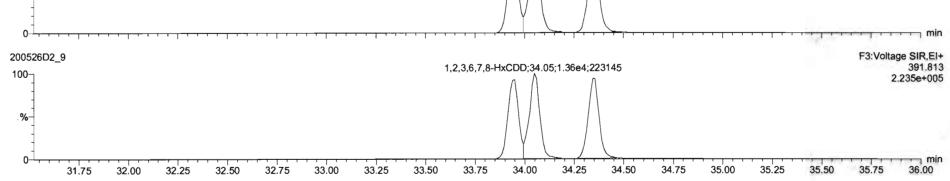
Quantify San Vista Analytica		Page 2 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	



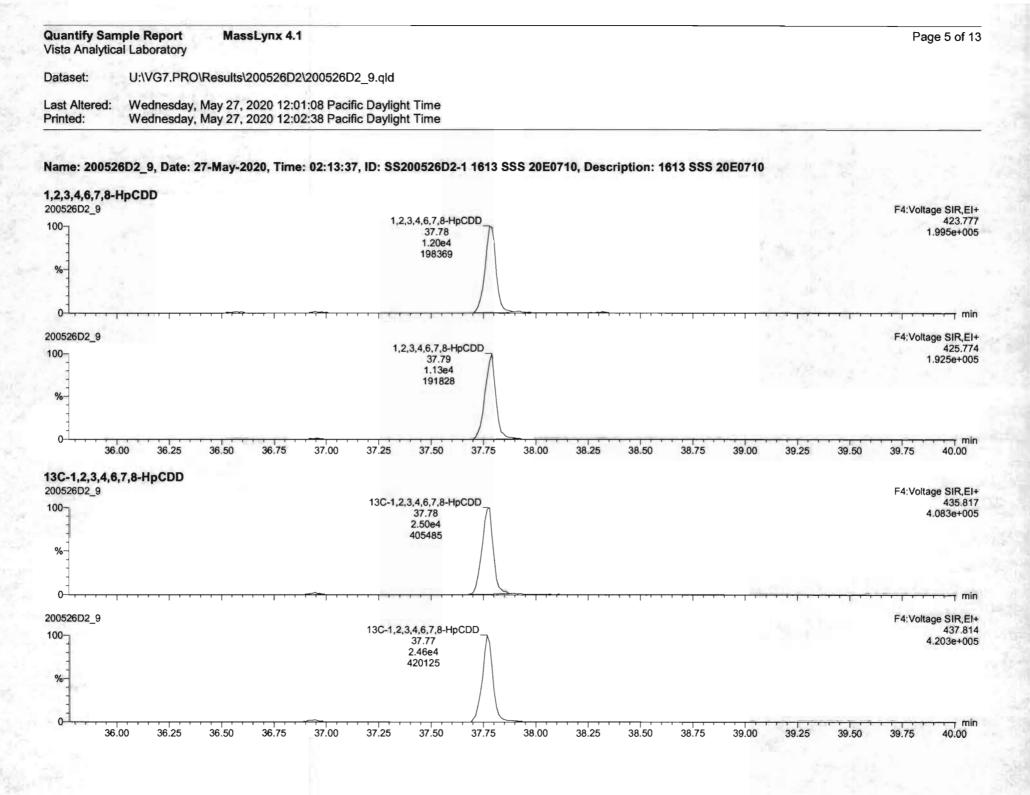
Quantify San Vista Analytic	nple Report MassLynx 4.1 al Laboratory	Page 3 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	



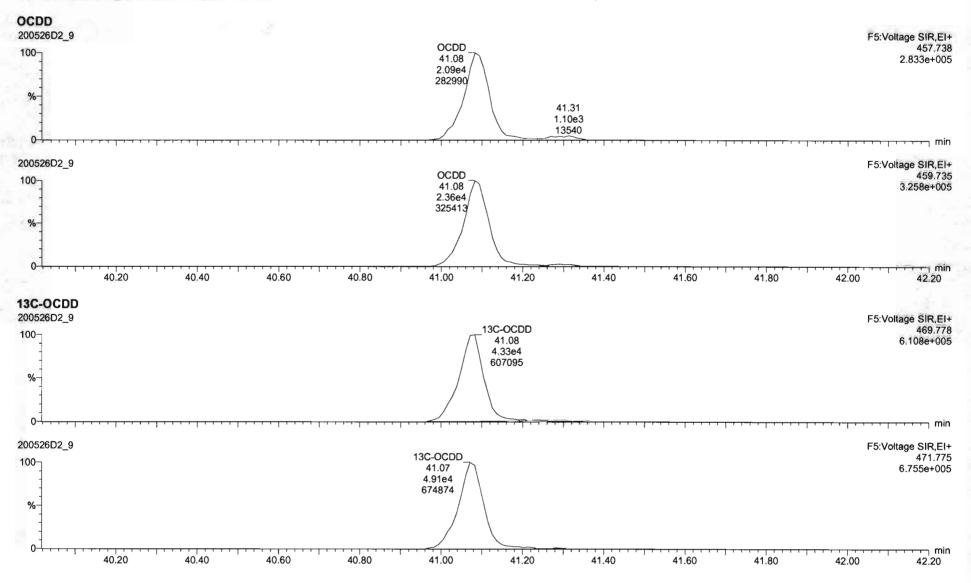
Juantify Sam /ista Analytica	aple Report MassLynx 4.1 al Laboratory	Page 4 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
ast Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	
ame: 20052	6D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710	
2,3,4,7,8-Hx	CDD	F3:Voltage SIR,EI+
ame: 200520 ,2,3,4,7,8-Hx 00526D2_9		F3:Voltage SIR,EI+ 389.816 2.828e+005



13C-1,2,3,4,7,8-HxCDD 200526D2_9 F3:Voltage SIR,EI+ 401.856 6.019e+005 13C-1,2,3,6,7,8-HxCDD;34.04;3.60e4;599513 100 -%-0n min F3:Voltage SIR,EI+ 403.853 4.400e+005 200526D2_9 13C-1,2,3,6,7,8-HxCDD;34.04;2.61e4;438583 100-% 0-- min 32.25 33.25 33.50 35.00 35.50 32.00 34.50 34.75 35.25 35.75 31.75 32.50 32.75 33.00 33.75 34.00 34.25 36.00

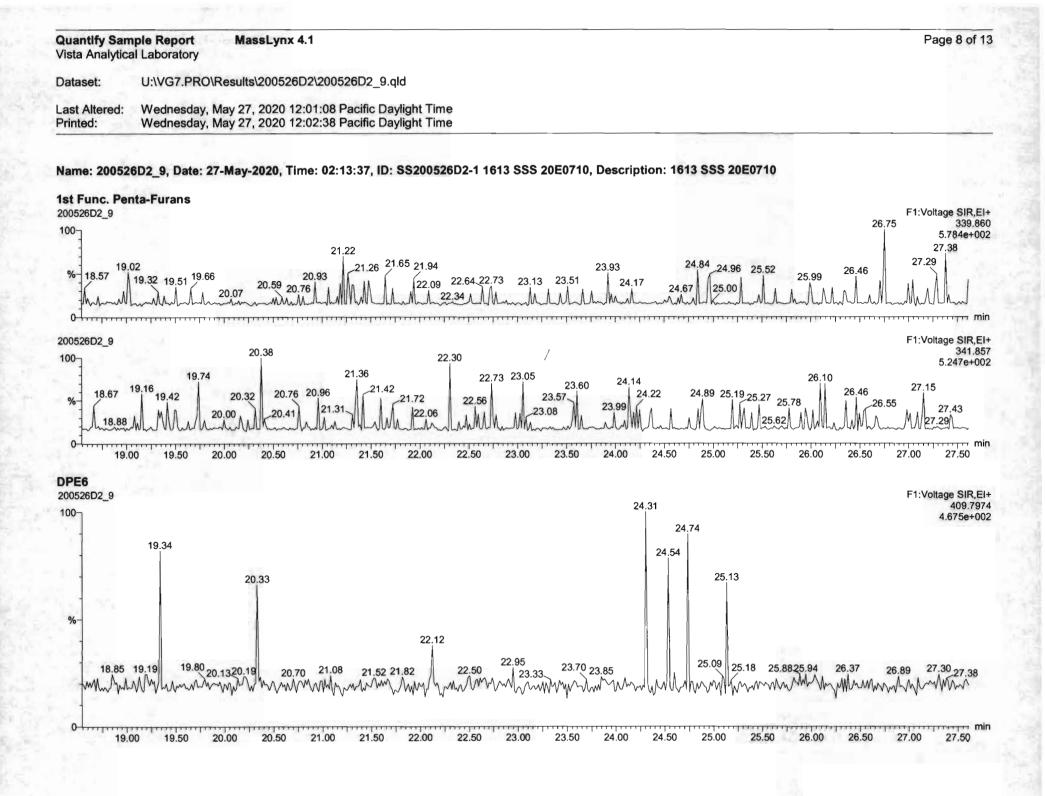


Quantify Sam Vista Analytica		Page 6 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	



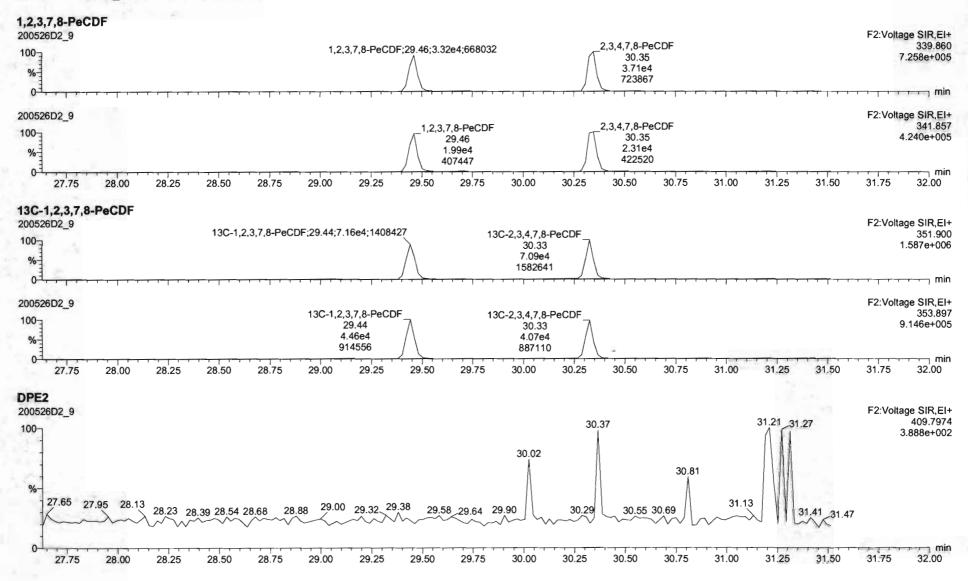
100

	nple Report MassLynx 4.1 al Laboratory			Page 7 of 1
ataset:	U:\VG7.PRO\Results\200526D2\200526	D2_9.qld		
ast Altered: rinted:	Wednesday, May 27, 2020 12:01:08 Pag Wednesday, May 27, 2020 12:02:38 Pag	cific Daylight Time cific Daylight Time		
ame: 20052	26D2_9, Date: 27-May-2020, Time: 02:13:	37, ID: SS200526D2-1 1613 SSS 20E0710, Descrip	otion: 1613 SSS 20E0710	
,3,7,8-TCDF 00526D2_9				F1:Voltage SIR,E
00 %			2,3,7,8-TCDF 25.41 5.18e3 77760	303.90 7.811e+0
00526D2_9			2,3,7,8-TCDF 25.41 6.87e3 112638	F1:Voltage SIR,E 305.8 1.131e+0
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	TCDF	13C-1,2,3,4-TCDF;24.20;6.41e4;921355	13C-2,3,7,8-TCDF 25.38 6.70e4	F1:Voltage SIR, 315.94 1.098e+0
0.1		·····	1093610	ע הקררוקרווקרווקרווקרווקרוו
00526D2_9		13C-1,2,3,4-TCDF;24.20;7.96e4;1160055	13C-2,3,7,8-TCDF 25,38 8.62e4 1381173	F1:Voltage SIR,t 317.9 1.385e+0
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
PE1 00526D2_9 ⁰⁰]	9.09 20.24			F1:Voltage SIR,6 27.24 375.83 26,13 4.194e+0
%- 18.86	19.22 19.84 19.45 19.45 20.15 20.29 20.68 20.99 20.68 20.99 20.85 21.07 20.68 20.99	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	24.38 24.78 25.36	.74 26.28 26.7826.85
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

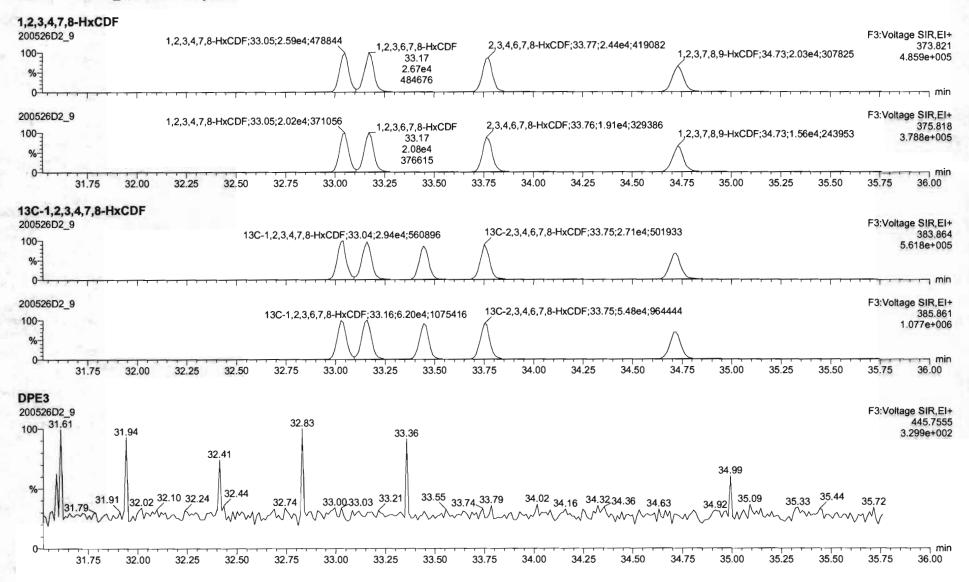


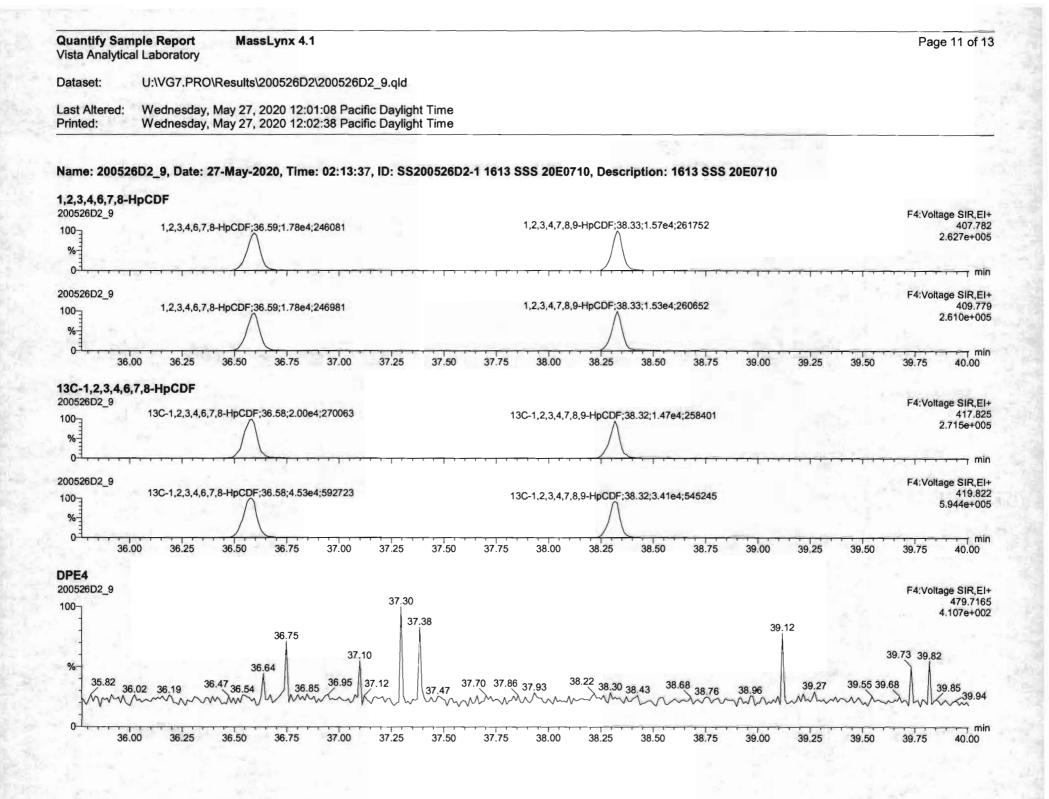
Work Order 2001132

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	

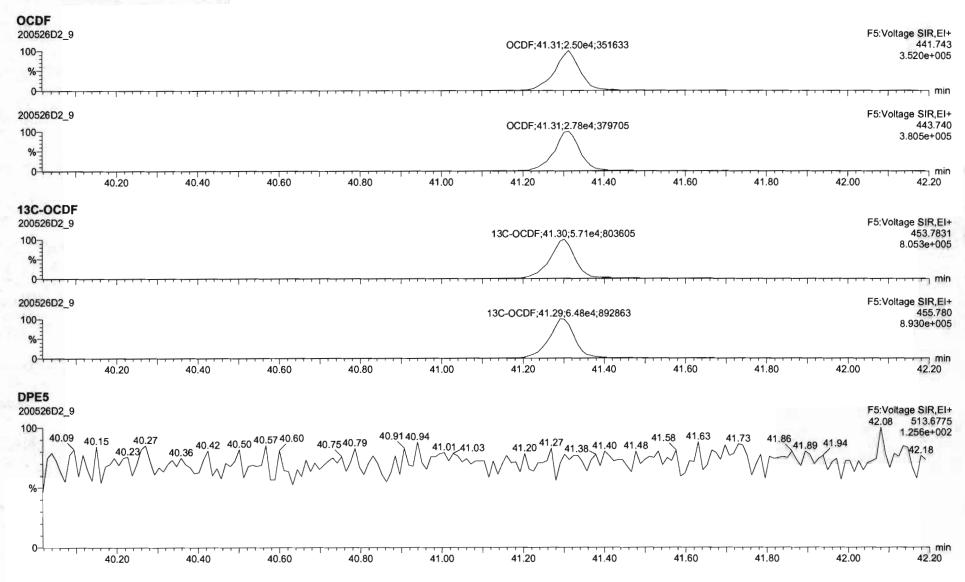


Quantify San Vista Analytica		Page 10 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	





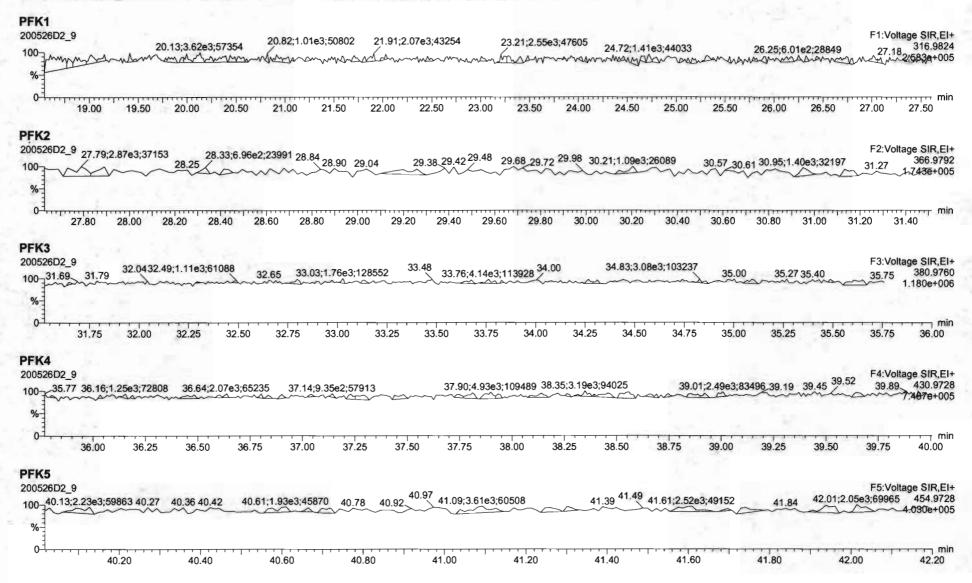
Quantify Sam Vista Analytica		Page 12 of 13
Dataset:	U:\VG7.PRO\Results\200526D2\200526D2_9.qld	
Last Altered: Printed:	Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time	



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

1	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

And the second second	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

3200	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	8.01e4	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	MM
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

Company of	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	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	1.21	NO	35.27	1.001	1.62e4	7.48e5	2.44	-2.3	0.866	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: 1,2,3,7,8,9-HxCDD

1	Name	Std. Conc	RA	n/y	RT	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 Facilie Daylight Time
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-M	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

-	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

	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

1	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

Contraction 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

120	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

	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

-

12.8	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

23.4	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	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

Page 11 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: 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

1000	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

100	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

Page 16 of 16

	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

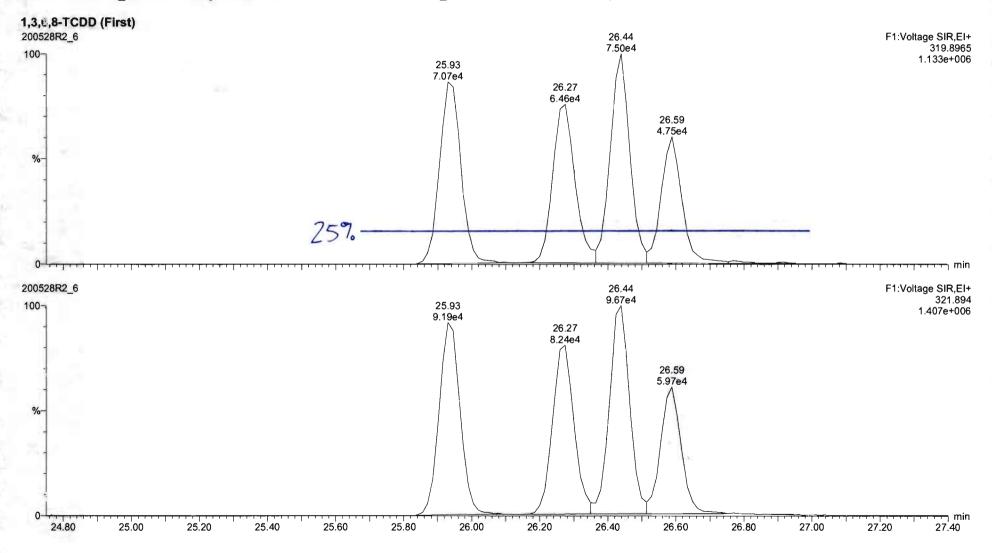
Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

5374	# 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 San Vista Analytica	aple Report MassLynx 4.1 SCN815 al 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	GRB 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

	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

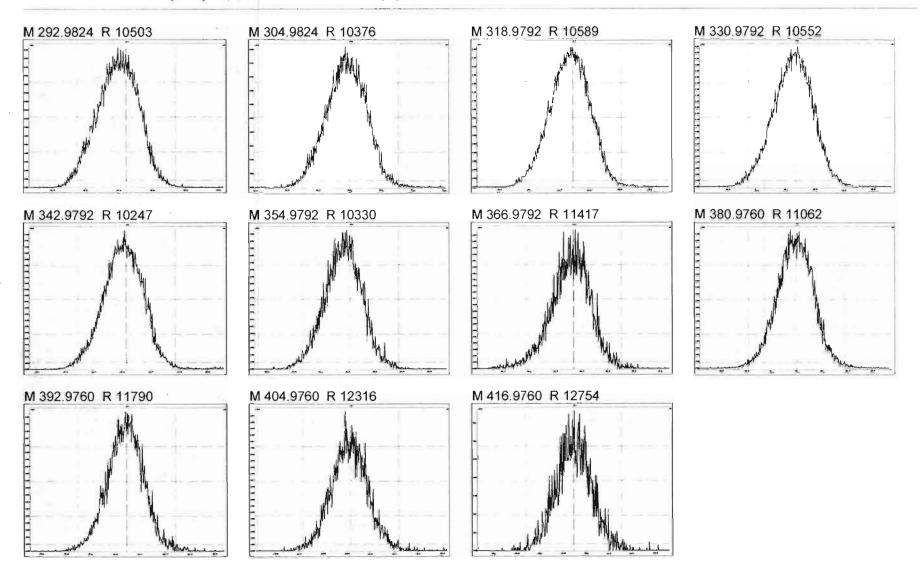
Experiment Calibration Report

MassLynx 4.1 SCN815

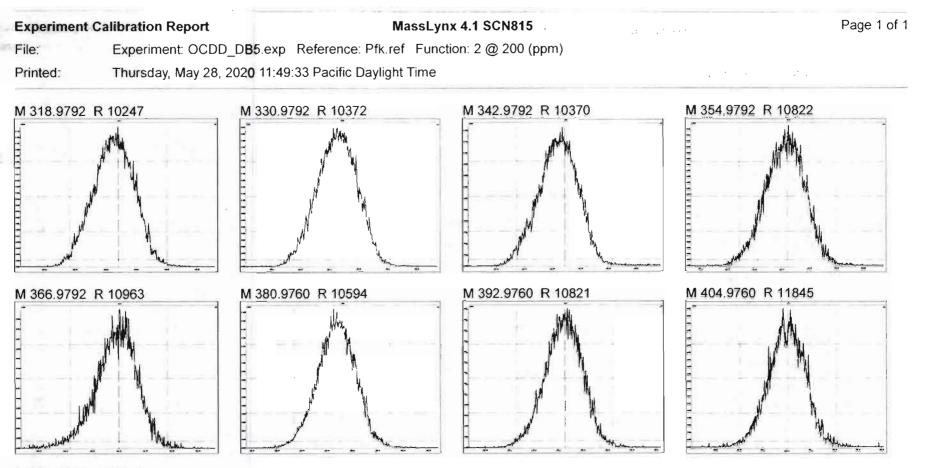
Page 1 of 1

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

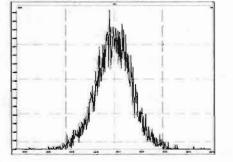
Printed: Thursday, May 28, 2020 11:48:59 Pacific Daylight Time

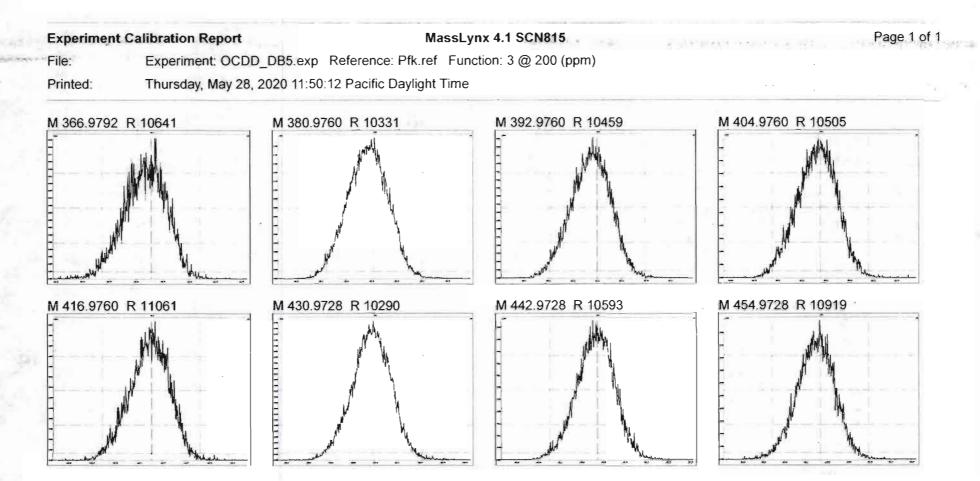


Work Order 2001132



M 416.9760 R 12018





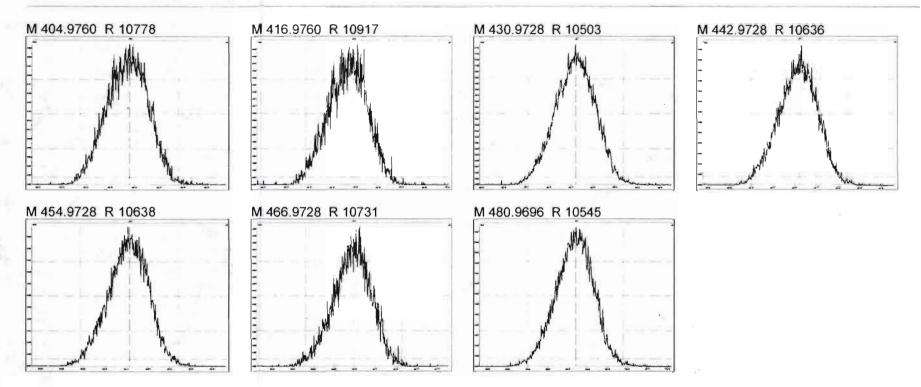
Experiment Calibration Report

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

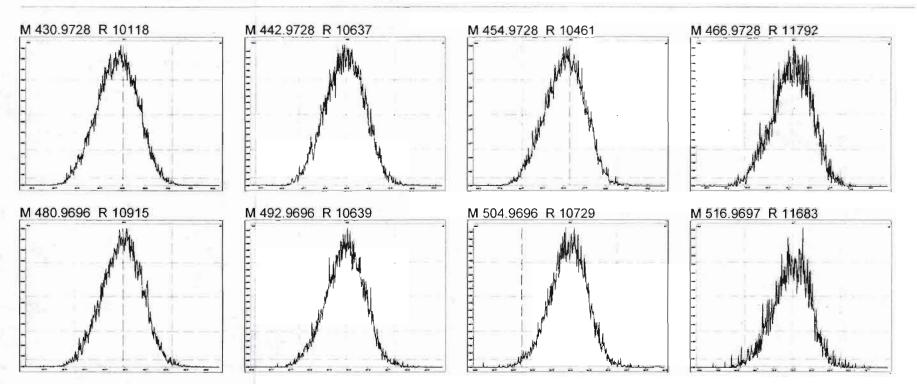
MassLynx 4.1 SCN815

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

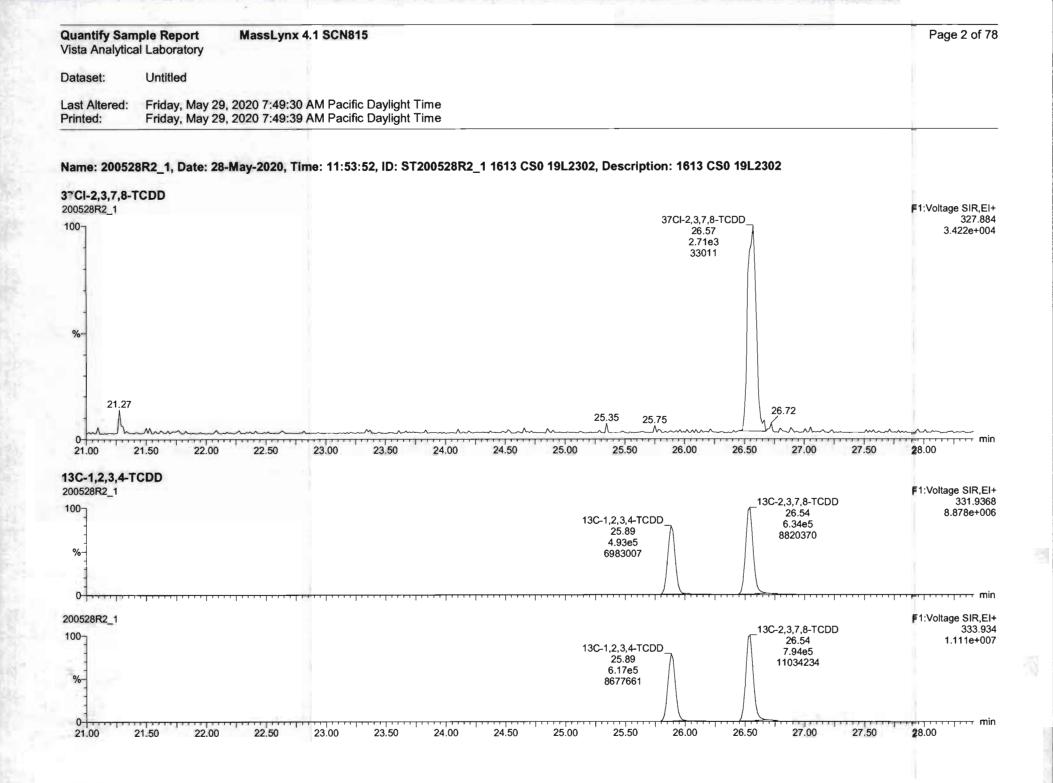
Printed:

laference

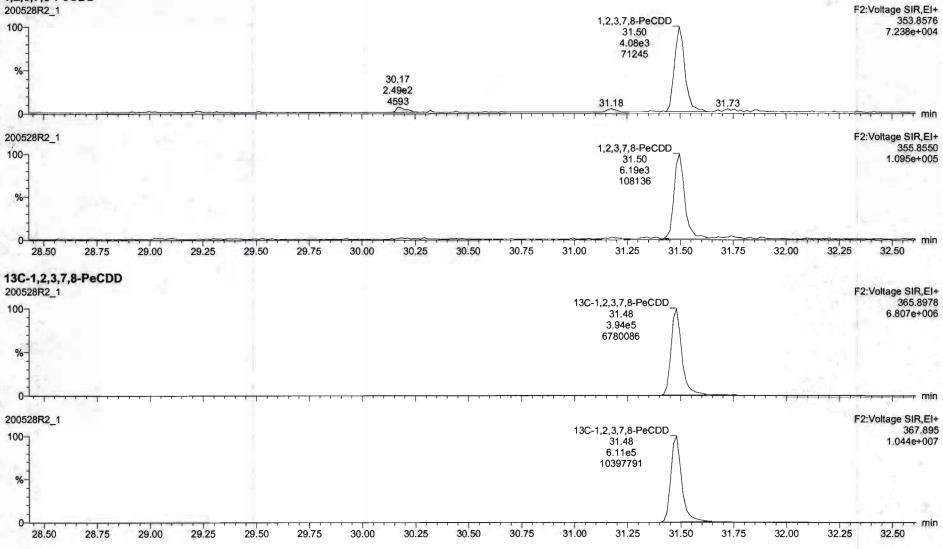
Thursday, May 28, 2020 11:51:45 Pacific Daylight Time



	nple Report al Laboratory	MassLynx 4.1 SCN	315						Page 1 of 7
ataset:	Untitled								
ast Altered: rinted:	Friday, May 29, Friday, May 29,	2020 7:49:30 AM Pac 2020 7:49:39 AM Pac	fic Daylight Time fic Daylight Time						
	/G12.PRO\MethD 29 May 2020 07:4	B\1613rrt-05-26-20.m 9:30	db 26 May 2020 10:	34:17					
ame: 20052	8R2_1, Date: 28-	May-2020, Time: 11:5	3:52, ID: ST200528	R2_1 1613 CS0 19I	2302, Description	n: 1613 CS0 19	L2302		
,3,7,8-TCDD									
00528R2_1					25.66 2.29e2	2,3,7,8-TCDD_ 26.54 1.09e3 16198			F1:Voltage SIR,E 319.890 1.766e+00
21.27	21.33 21.77 21.86 22	2.23 22.49 22.91 23.24	23.43 23.65 23.83	24.21 24.36 24.73 24.	3319	26.15	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		2,3,7,8-TCDD 26.57 1.61e3 24757 26.15	26.93 27.13	27.56	321.8 2.625e+0
official	21.50 21.98 77 21.50 22.00	22.85	24. 	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	.00 25.50	26.57 1.61e3 24757	26.93 27.13	27.56	28.00
% 21.27 0 21.00 3 C-2,3,7,8-T 00528R2_1	21.50 22.00			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	13C-1,2,3,4-TCDD 25.89 4.93e5	26.57 1.61e3 24757 26.15	26.93 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 22.00			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	13C-1,2,3,4-TCDD 25.89	26.57 1.61e3 24757 26.15	26.93 27.13 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 22.00			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	13C-1,2,3,4-TCDD 25.89 4.93e5	26.57 1.61e3 24757 26.15 26.00 26.5	26.93 27.13 50 27.00 13C-2,3,7,8-TCDD 26.54 6.34e5	27.50	321.8 2.625e+0 28.00 F1:Voltage SIR,E 331.93 8.878e+0

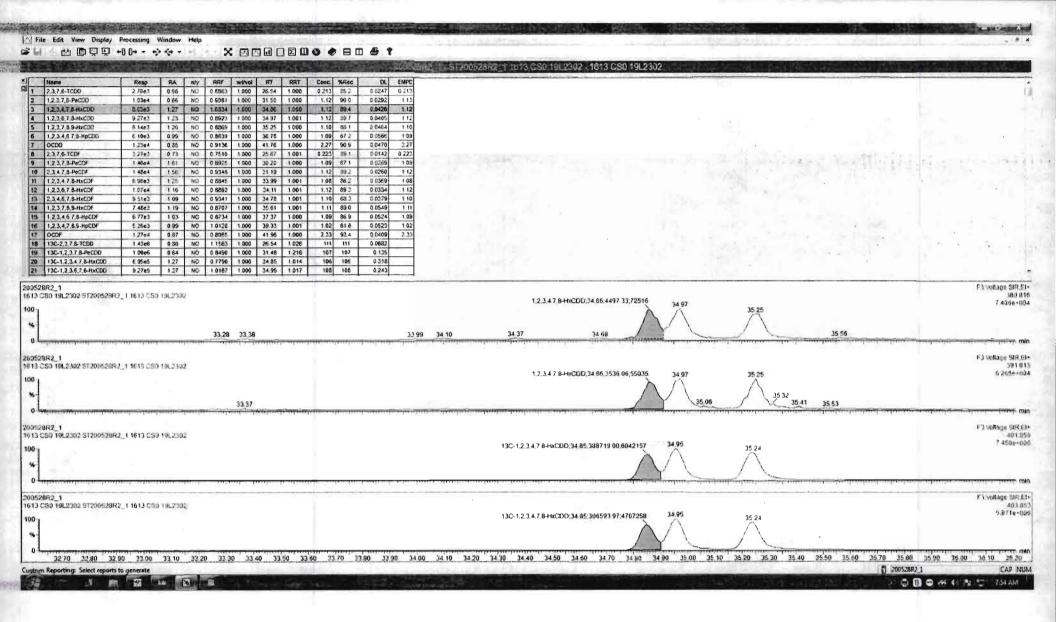


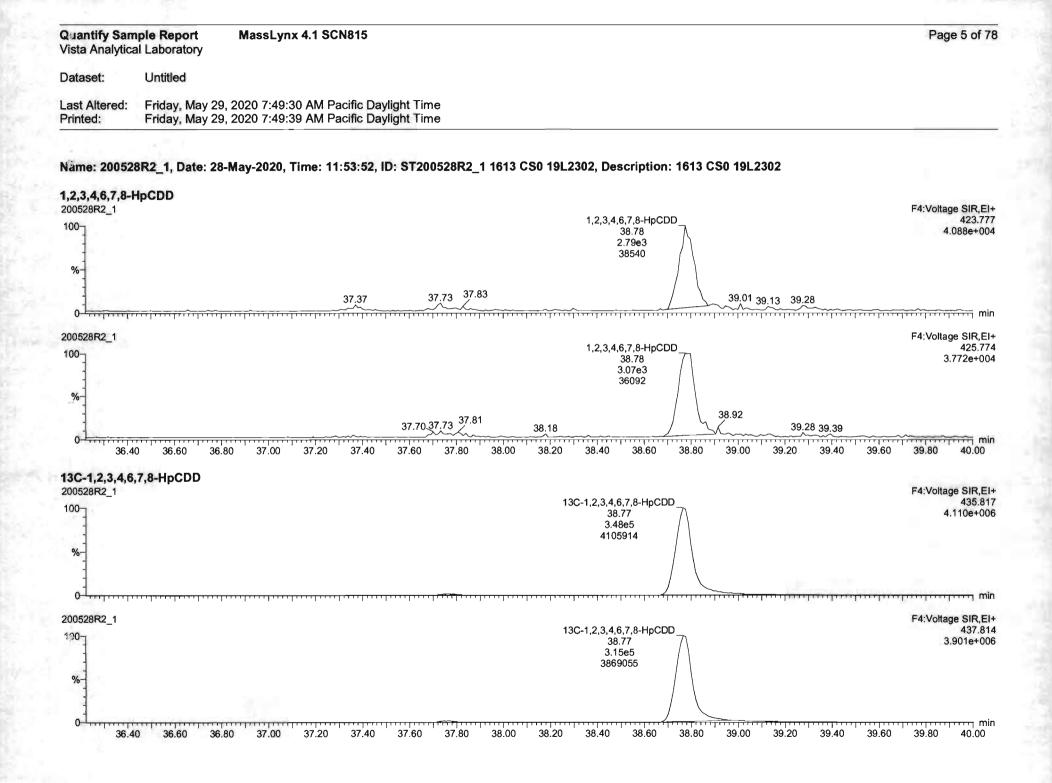
Vista Analytical	Laboratory MassLynx 4.1 SCN815	Page 3 of 78
Dataset:	Untitled	
	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

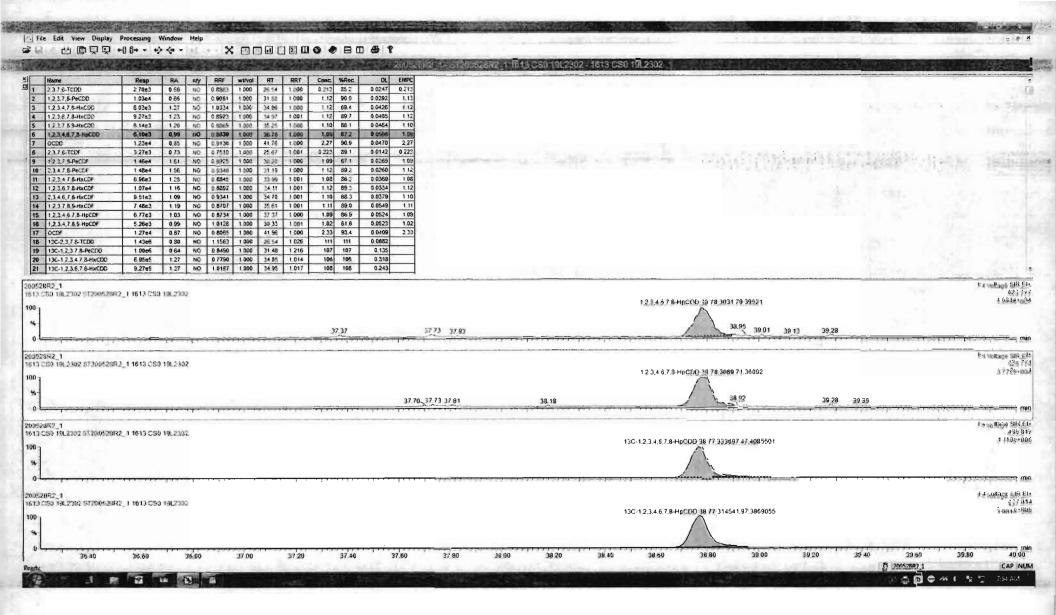


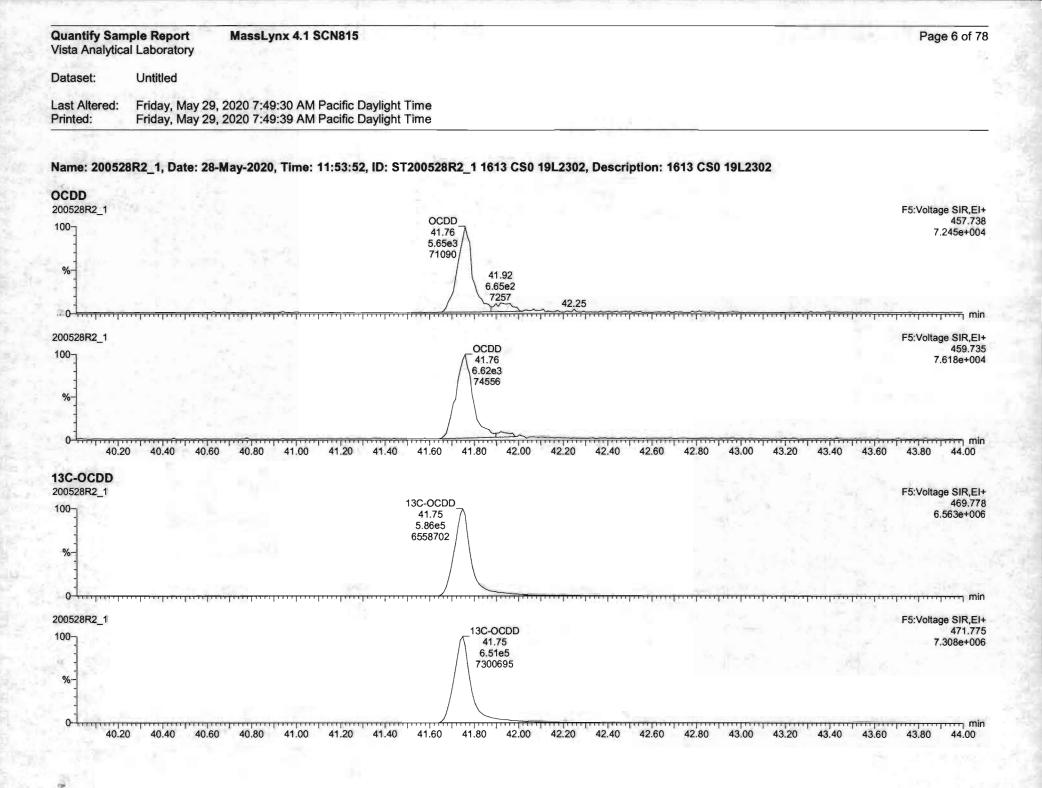
uantify Sample ista Analytical La		MassLynx 4.	.1 SCN815					Page 4 of 7
ataset: Un	ntitled							
			AM Pacific Daylight Time AM Pacific Daylight Time					
	uay, way 29	, 2020 7.49.39 P		,				
ame: 200528P2	1 Date: 28	May 2020 Tim		528R2_1 1613 CS0 19L2	202 Decoription	. 1812 CS0 401 22	02	
		-way-2020, 1111	ie. 11.33.32, ib. 31200	52012_1 1013 C30 1922	302, Description	1. 1013 030 19223	02	
2,3,4,7,8-HxCDE)							F3:Voltage SIR,EI
E ⁰⁰						1,2,3,6,7,8-HxCDD;3	4.97;5.11e3;72086	389.81 7.486e+00
%_								1
1			22.20			ΙY		
0	Tanta	mmini	33.28 33.38	33.99 34.10	34.37	34.68		35.56
00528R2_1		, , ,						F3:Voltage SIR,EI
007						1,2,3,6,7,8-HxCDD;3	4.97;4.16e3;61002	391.81 6.266e+00
						$\wedge \wedge$	1,2,3,7	,8,9-HxCDD
%-						$/ \setminus /$	35.06	35.25 3.70e3
1						/ Y		59648
07	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		33.37			4.60 34.80 35	K / h	35.53 mi
32.40 32	2.60 32.80	33.00 33	3.20 33.40 33.60	33.80 34.00 34.2	0 34.40 34	4.60 34.80 35	.00 35.20 35.4	0 35.60 35.80
3C-1,2,3,4,7,8-H)	KCDD							
00-					13	3C-1,2,3,6,7,8-HxCDD;34	4.95;5.18e5;7356837	F3:Voltage SIR,EI 401.85
					13C-1,2,3,	4,7,8-HxCDD	Δ	7.458e+00
%					3.	.89e5 42157	/\-	
1					00		())	
.1								
0 ‡	+++++++++++++++++++++++++++++++++++++++		<u>*ltt.</u>			· · · · · · · · / · · · · · · · · ·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ui ריייזיייידייקייי
N628P2 1					13	3C-1,2,3,6,7,8-HxCDD;34	4.95;4.09e5;5887449	F3:Voltage SIR,E 403.85
					13C-1,2,3,	4,7,8-HxCDD	٨	5.971e+00
00528R2_1					3.	14.85 .07e5		1.1.1
00-								
					47	87258 / / /		
-00					47	87258		

12









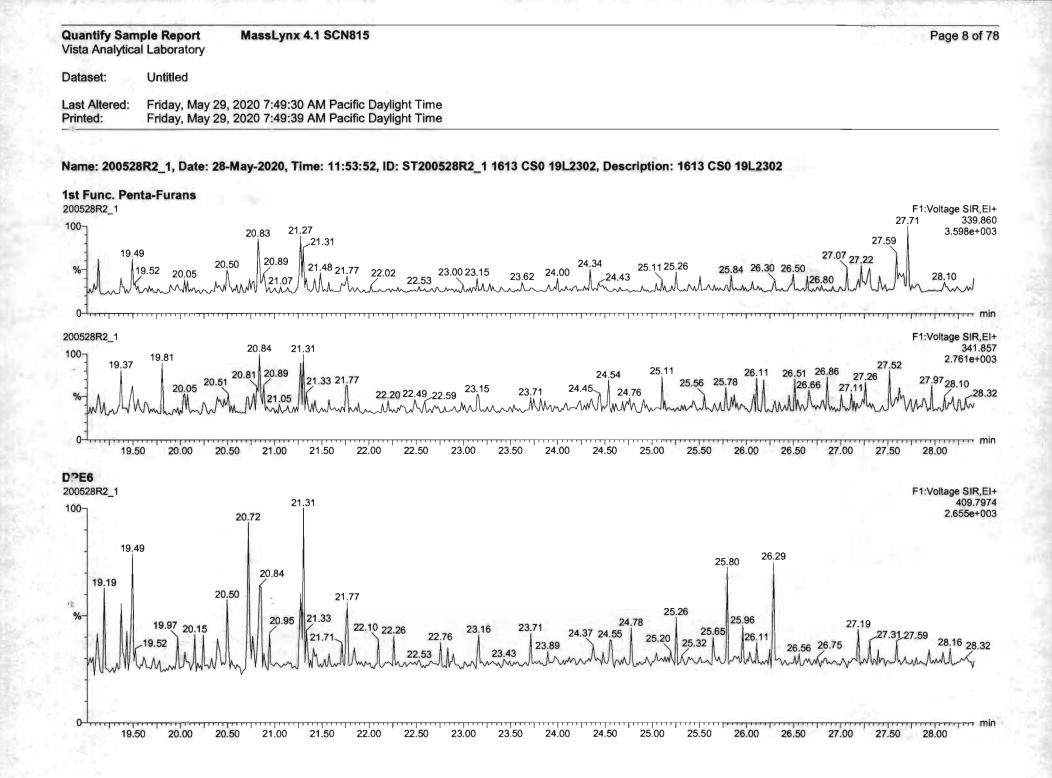
		THE REAL		C MEES	STREET	1000	200528	R2_1-ST20956	28R2 1 HAVE CED 1	112302 1013 CS	0 1912302		2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			-3° 44	STANKES!
Hame	Resp	RA ny	RRF	wilvol RT	RRT	Conc %Rec	DL ENPC										
2.3.7.6-TCDD	2 70e3	0.68 NO		1 000 26 5		0.213 35.2											
1,2.3,7,8-PeCDO	1.03e4	0.66 NO		1.000 31.50	0031 0	1.12 90 0											
1.2.3.4.7 6-HACOD	8.03e3	1.27 NO	1.0334	1 000 34 8		1.12 69.4						1.76				· · ·	
12.3.8.7 8-HxCDD	9.2782	1.23 NO		1 300 34 9		1 12 39 7											
1 2 3 7 8 9-HxCDD	6 14e3	1.20 NO		1.000 35.24		1.10 88.1								1 1 1 1 1 2	A Contraction	A MARCHINE	- 1 and -
1.2.3.4.6.7.8 HpCDD	6 10e3	0.99 10		1 000 36 73		1 09 87 2										and the second sec	
0000	1.2364	0.85 NO	and a second second second	1.000 41.7		2.27 90.9											
2,3.7,6-TCOF 1,2.3.7,8-PeCOF	3.27e3	073 NO		1 300 25.6		0 223 39 1						And Service	Allen C. C.	and the Root	I Company	and in the	
1,2 3.7 8-PeCOF	1 46e4	1.61 NO 1.56 NO		1 200 30 20		1 12 39 2						sense in the sense	State of the	221000112	- A CONTRACT	and the second	- Court
12,3,47,8-HxCDF	6.98e3	126 NO		1 000 33.9		1.03 36.2											
1,2,3,6,7 8-HACDF	1 07e4	1.16 NO		1.000 34.1		1.12 89.3											
2,3,4,6,7,8-HxCDF	9 Ste3	1.09 NO		1 000 34 70		1 10 63.3											
1.2.3.7.8.9-HxCDF	7 48e3	1.19 NO		1000 35.61		1.11 89.0											
1 2.3.4 6 7.8-HpCDF	6.77e3	103 NO		1 300 37 3		1.09 86.9											
1,2.3.4,7.8.5-HpCDF	5.26e3	0 95 NO	10128	1 000 39.3	13 1 001	1.02 61.8	0.0523 1.02										
OCDF	1 27e4	0.87 NO		1 200 41 96		2.33 93.4											
13C-2,3,7 8-TCDD	1.43e6	0.30 NO		1 000 26 5		111 111											
13C-1.2.3 7 8-PeCOD	1 00e6	0.64 NO		1 000 31 4		107 107											
13C-1.2.3 4 7.8-HXCDD	6 95e5	1.27 NO		1 000 34 8		106 106											
13C-1.2.3.6.7.6-HxCDD	9.27e5	127 NO	1.0157	1 000 34 9	1 017	103 108	0.243										
	*******						4192	423	25								
																	F5 Vettage SIR
IR2_1																	459
	2_1 1613 CSD	196,2302															
	2_1 1613 CSI	191,2302				OC	DD:41 76:66 18 23.74556										
	2_1 1613 CSI	191,2302				oc	DD:41 76:66 18 23.74556										
	2_1 1613 CS	191,2302				oc	DD:41 76.66 18 23.74556										
	2_1 1613 CS	191,2302					DD:41 76.6618 23.74556	. مارد د در در								- (450 7 5 186+
80 19L2302 ST200528R						 	DD:41 76.6618 23.74556				1				1-11-11-11-11-11-11-11-11-11-11-11-11-1		7 6 18e-
80 19L2302 ST200528R							\wedge				1 4 - 24 - 14 - 14 - 14 - 14 - 14 - 14 - 1		-1		1-11-1	÷ (1 ···· · · · · · · · · · · · · · · · ·	7 5 188-
IR2_1 S0 19L2302 ST200528R IR2_1 S0 19L2302 ST200528R							DD:41 76:6618 23:74558				1 4.999,000,000,000,000,000		-1		1	÷ (*******	7 <u>6</u> 18e -
80 19L2302 ST200528R							\wedge				4 ²³⁴ 55				1	-	7 5 18e
80 19L2302 ST200528R							\wedge				1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1				1 		7 5 18e
10 10L2302 ST200528R							\wedge									- (7 6 184 15 voltage Si 45j 6 563e
89 TBL2302 ST200528R R2_1 89 T9L2302 ST200520R							\wedge				,,				1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	21)	7 6186 15 voltage Si 45 6 563e
80 19L2302 ST200528R R2_1 80 19L2302 ST200526R 19L2302 ST200526R	;7************************************	1912392				130-000	00:41.75.554889.50.6521	1891							1-11-1		7 5 186 15 voltage Sil 465 6 563e F5 voltage Sil 47
80 19L2302 ST200528R	;7************************************	1912392				130-000	\wedge	1891			1		1		F 414 (1-30-1)		7 5 186 15 voltage Sil 465 6 563e F5 voltage Sil 47
30 19L2302 ST200528R RZ_1 30 19L2302 ST200526R RZ_1	;7************************************	1912392				130-000	00:41.75.554889.50.6521	1891			11-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-				1	217	7 5 186 15 voltage Sil 465 6 563e F5 voltage Sil 47
80 19L2302 ST200528R R2_1 80 19L2302 ST200526R 19L2302 ST200526R	;7************************************	1912392				130-000	00:41.75.554889.50.6521	1891			T					- (7 5 186 15 voltage Sil 465 6 563e F5 voltage Sil 47
30 19L2302 ST200528R RZ_1 30 19L2302 ST200526R RZ_1	;7************************************	1912392				130-000	00:41.75.554889.50.6521	1891			,				1-11-11-11-11-11-11-11-11-11-11-11-11-1	21)	7 5 188-
0 10L2302 ST200528R 12_1 0 19L2302 ST200529R 19L2302 ST200529R 12_1	12_1 1613 CS0) 19L2302) 19L2302	0 41	100 41	20 4	13C-OCE 13C-OCE	DD:41.75.554889.50.6521	1891	42.40 42.60	42.80 43	3.00 43.20	42.60	43.80	44.00 4	, , , , , , , , , , , , , , , , , , ,	1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1	7 5 186 15 voltage Sil 465 6 563e F5 voltage Sil 47

	al Laboratory	MassLyr	nx 4.1 SCN	815											Page 7 of
itaset:	Untitled														
st Altered: inted:	Friday, May Friday, May	/ 29, 2020 7:49: / 29, 2020 7:49:	30 AM Paci 39 AM Paci	fic Daylight	Time Time										
00050					00050050					1010	000 401 4				
		28-May-2020,	Time: 11:5	3:52, ID: 51	200528R2_	1 1613 0	50 19L23	02, De	scriptio	on: 1613	CS0 19L2	302			
8,7,8-TCDF 0528R2_1															F1:Voltage SIR,
									2,3	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			dundande							lili					
07									2,3	3,7,8-TCDF 25.66	7 20.0	6			F1:Voltage SIR, 305.8 2.540e+0
19.04	20.3	6	21.29 21.41			23.64	~~ ~~			1.91e3 24212	1.91		3		
0 19.5	minim			111111111111111			23.83	,	4.72	****		min finn	1111111111		I <u>minimi</u> I
19.5		20.50 21.00	21.50	22.00 22.	50 23.00	23.50	24.00	24.50	25.0	0 25.5	26.00	26.50	27.00	27.50	28.00
C-2,3,7,8-T	CDF														F1:Voltage SIR,E
0 ₇				13C-	1,2,3,4-TCDF;2	24.22;7.23€	5;8628790			,7,8-TCDF 5.65	7				315.94 1.161e+0
%							7	\	8.	47e5 17468	\wedge				1.1010-0
of the second second				····		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				····					u
0528R2_1									400.0.0						F1:Voltage SIR,
				13C-1,	2,3,4-TCDF;24	1.22;9.23e5	;10882652		2	,7,8-TCDF 5.65	Λ				317.9 1.495e+0
%							/			11e6 79003	/ \				
0-1	50 20.00	20.50 21.00	21.50	22.00 22.	50 23.00	23.50	24.00	24.50	25.0	0 25.50	26.00	26.50	27.00	27.50	28.00
PE1															
0528R2_1															F1:Voltage SIR,
0															375.83 3.206e+0
-		20.84 21.3	21.31	22.08		00.00									
19.4	9	20.72	21	7		23.39	24.:	21	25.0	0 25	.60				28.07 28.28
	9.64 20.05	20.50	9 21.33 21.7	, ()	23.1	0			24.78 2	5.14 25.32	26.02	26.27 26.6	g 26.92	27.26	28.07 28.28
19.24 1		MA DA TAK	1 A. A.	22.28	23.03	23.74	ahnt	Mm	Amh	Mm	humh	and 20.0	mhann	homen	21.94 Alex
19.24 1	Mahaha	y hand of block	m . Mullin		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~								•		
19.24 1 MMM	Mahah	of the of the	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~										

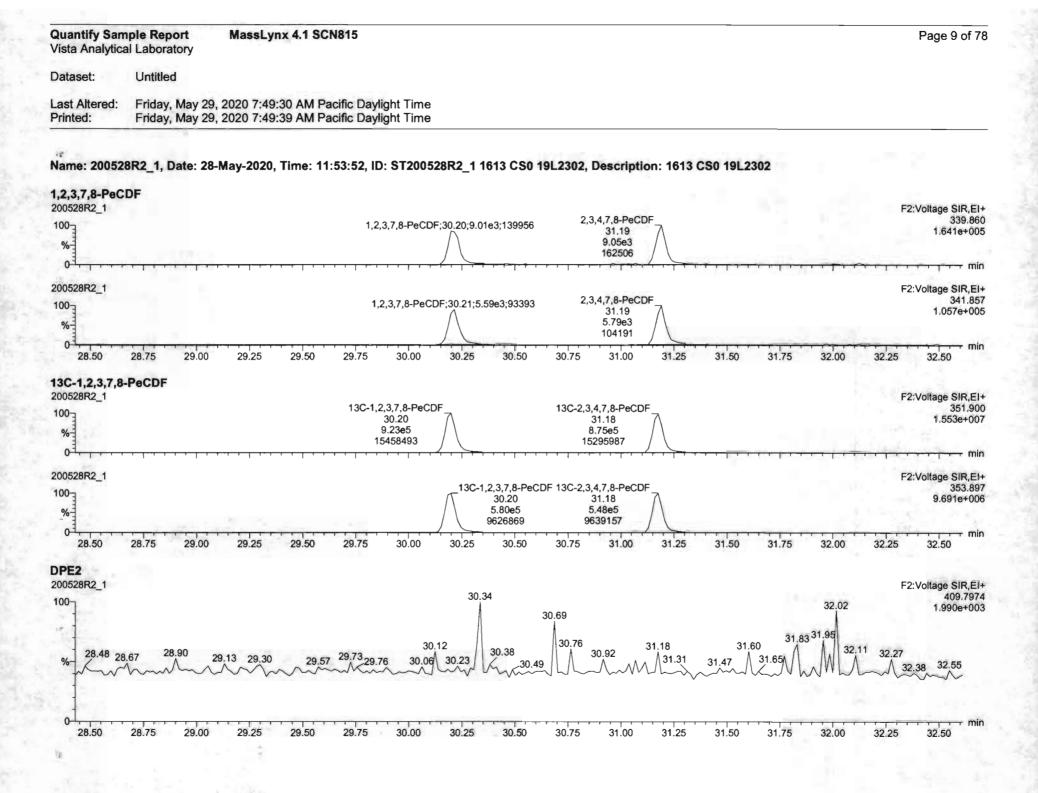
Name 2.3.7.6-TCDD	Resp RA nly RRF wt/vol 2 70e3 0 68 NO 0 8863 1 000	t RT RRT Conc. %Rec 26.54 1.000 0.212 25.7	DL EMPC 0.0247 0.213				
2 3 7 8-PeCDD 1,2 3,4,7 6-HxCDD	1 03e4 0 66 NO 0 9081 1 000 8 03e3 1 27 NO 1 0334 1 000	1 21 50 1 000 1 12 90 0 34 95 1.000 1 12 69.4	0 0292 1 12 0 0426 1 12		· · · · · · · · · · · · · · · · · · ·	的目的秘密的问题 。	Carley .
2,3,6,7,8-HxCD0 2,3,7,8,9-HxCD0 2,3,4,6,7,8,HpCD0	9.2743 1.23 NO 0.8923 1.000 8.14e3 1.20 NO 0.8869 1.000 6.10u3 0.99 NO 0.8639 1.000	35.25 1 000 1.10 88 1	0 0405 1 12 0 0464 1 10 0 0566 1 09				
CDO 3.7,6-TCDF	1.23e4 0.35 NO 0.9136 1.000 3.27e3 0.73 NO 0.7510 1.000	25.67 1.001 0.223 89.1	0.0470 2.27 9.0142 0.223		Construction of the second	Contraction of the second	
2 3 7 8-PeCDF 3 4 7.8-PeCDF	1.46c4 1.61 ND 0.8925 1.000 1.48c4 1.56 ND 0.9348 1.000 6.96c3 1.25 NO 0.8845 1.000	31.19 1.000 1.12 89.2	0 0260 1 09 0 0260 1 12 0 0369 1 08				and the local division of the local division
2 3.4 7 8-HxCDF 2 3.6.7 8-HxCDF 3 4 6.7 8-HxCDF	8 95e3 1.25 NO 0.8845 1.000 1.07e4 1.16 NO 0.8892 1.000 9.51e3 1.09 NO 0.9341 1.000	24.11 1.001 1.12 69.3	0 034 1 12 0 0279 1 10			and the second	1. Carlot
2,3,7,8,9-HxCDF 2,3,4 5 7,8 HpCDF	7 46e3 1 19 NO 0 8707 1 000 6 77e3 1 03 NO 0 8734 1,000	35 61 1 001 1 11 89 0	0 0549 1 11				
2.3.4.7.8.5 HoCDF	5 26e3 0.99 NO 1.0128 1.000 1 27e4 0.87 NO 0.8055 1.000	39.33 1.001 1.02 61.6	0 0523 1 02 0 0409 2 33				
3C-2,3 7 8-TCD0 3C-1,2,3 7 8-PeCD0	1 43e6 0 30 NG 1 1563 1 000 1 00e6 0 64 NO 0 8490 1 000	31 48 1 216 107 107	0.0682				
3C-1.2.3.4.7 8-HxCDD 3C-1.2.3.6,7 8-HxCDD	6 95e5 1 27 NO 0.7750 1 000 9 27e5 1 27 NO 1.0167 1 000		0 318			al a	
₹2_1 © 19€2302 512005288	2_1 1612 (50 1902302			2.37.6-10DF 25 67, 1383 09 18246			BIE againer i t e cile Fearait
	 Contraction (Contraction) 	24.45	24,96	2.37,6-1CDF 25 67,1383 09 16248	26.33 28 48 27 98		3839 164383
23 39 2.1	23 45 23 83	24.45	24.96	\wedge	and an a state of the state of	e fai alte d'an 2 <mark>430 de contratores anteceste</mark>	olise Fision
23 39 2 1	 Contraction (Contraction) 	24 45	24,96	\wedge	and an a state of the state of		983 8 1 SATES
19C2302 91200529R 23.39	23 45 23 83	24.45		21.03	and the first of the second	27.52 27.55	olise Fisiane Filostage bio Sos Zisede-
23 39 23 39 24 1 19L 2302 ST 200528R	23 45 23 83 2 1 1613 CS0 10(2302 23 64 23 83			25.93 2.3.7.8-TCDF 25.65,1883.61,24213	1863 61/24213	27.52 27.65	odsa 19439: FileApetik FileApetik 2940e 1940e
23 39 23 39 21 19 23 20 57 2005 28 R	23 45 23 83 2 1 1613 CSD 19(2302	24.72		25.93 2.3.7.8-TCDF 25.65,1883.61,24213	1863 61/24213	27.52 27.55	olisa Fisizer Filoslage biel Sos Zisade-
23 39 23 39 24 1 19L 2302 ST 200528R	23 45 23 83 2 1 1613 CS0 10(2302 23 64 23 83			25.93 2.3.7 B-TCDF 25 85.1683.51.24213 2.3.7 B-TCDF 25 65	1863 61/24213	21.52 27.55	odse Forten Fillefage sin 305 2 Sede- Fillefage Bitt
23 39 23 39 21 19 23 20 57 2005 28 R	23 45 23 83 2 1 1613 CS0 10(2302 23 64 23 83	24.72		25.93 2.3.7 B-TCDF 25 85.1683.51.24213 2.3.7 B-TCDF 25 65	1863 61/24213	27.53 27.65	odos Folger Folger Social Social Folger Folger Folger Folger Social Soci
23 39 23 39 24 1 19L 2302 ST 200528R 2, 1 19L 2302 ST 200528R 2, 1 19L 2302 ST 200528R	23 45 23 83 2 1 1613 CS0 10(2302 23 64 23 83	24.72		25.93 2.3.7 B-TCDF 25 65 1683 51 24213 2.3.7 B-TCDF 25 65 1683 51 24213 2.3.7 B-TCDF 25 65 1683 51 24213 13C-2.3.7.B-TCDF 25 65 846962 38,115 17469	1863 61/24213	27.52 27.55 27.55	odsis i sidage sin i sollage sin 2 sub- t i voitage sit 1 to lar i
23 39 23 39 24 1 19L 2 502 ST 200528R 24 1 19L 2 502 ST 200528R 24 1 19L 2302 ST 200528R	23.45 23.83 2.11613 CS0 19(2302 23.64 23.83 2.11613 CS0 19(2302 2.11613 CS0 19(2302	24.72		25.93 2.3.7 B-TCDF 25 85.1683.51.24213 2.3.7 B-TCDF 25 65	1863 61/24213	27.52 27.65	sitis i saite i saite

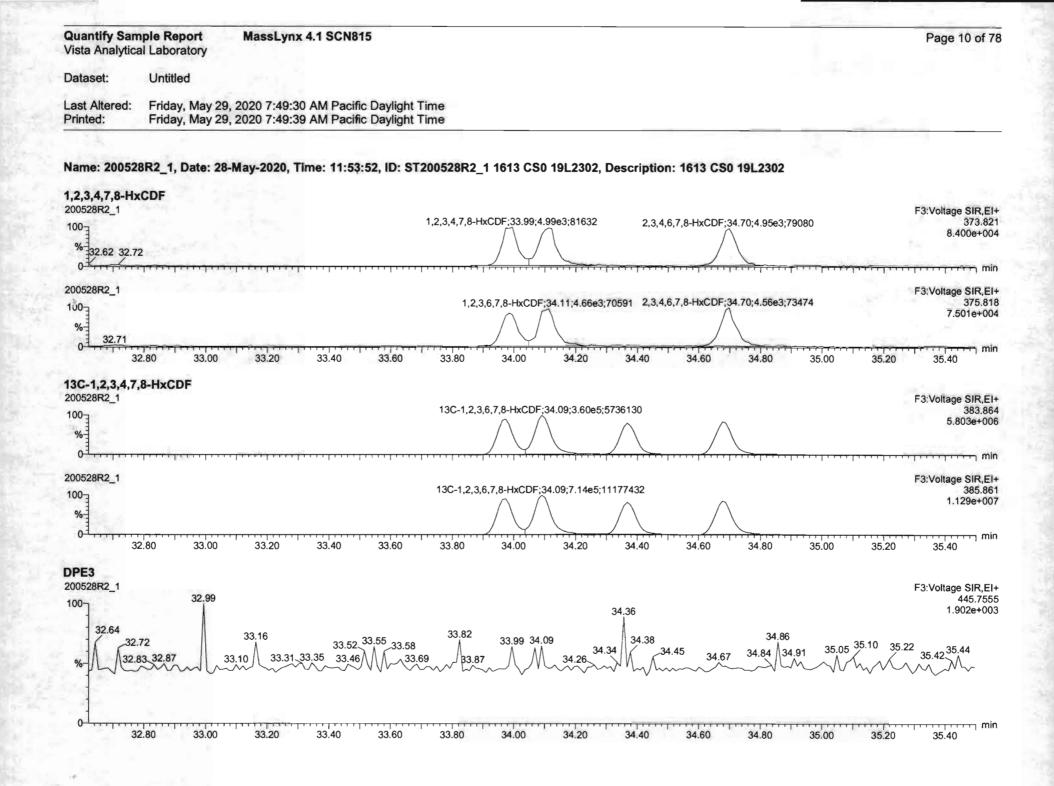
1

1.

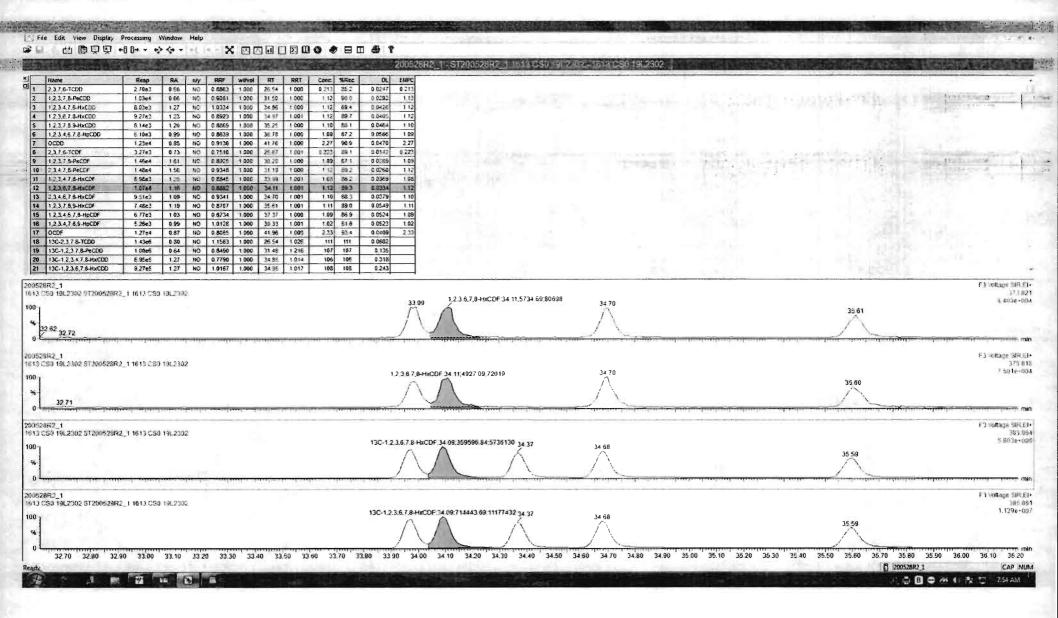


Work Order 2001132

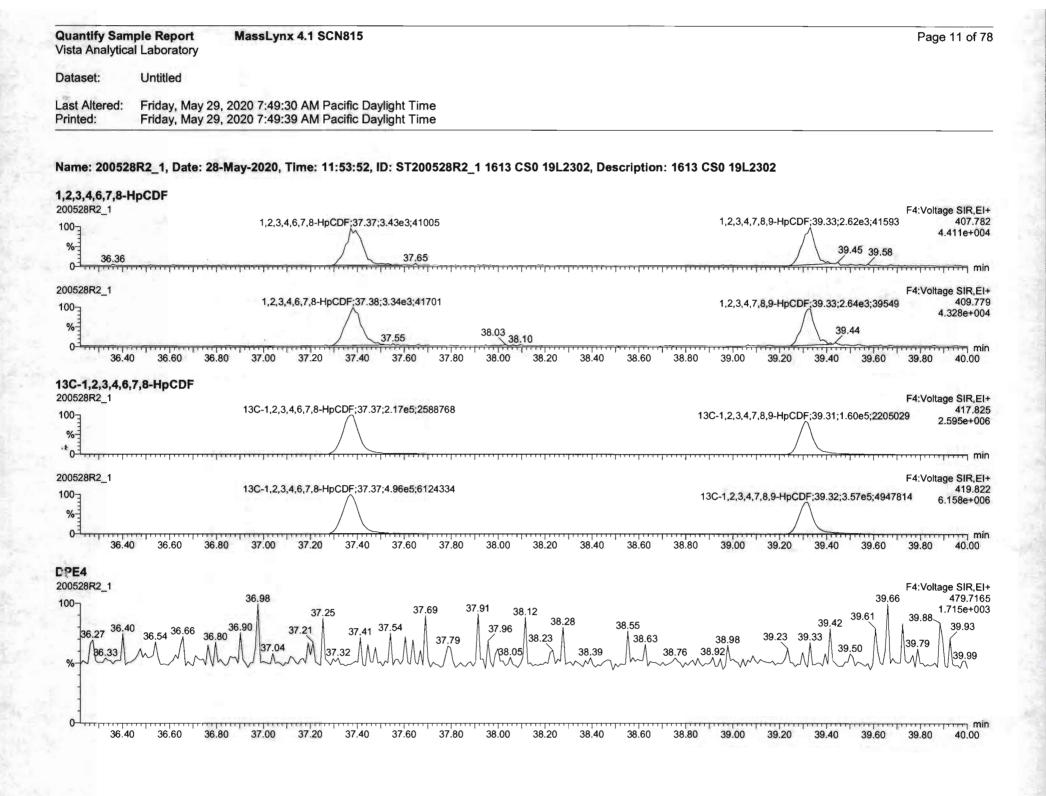


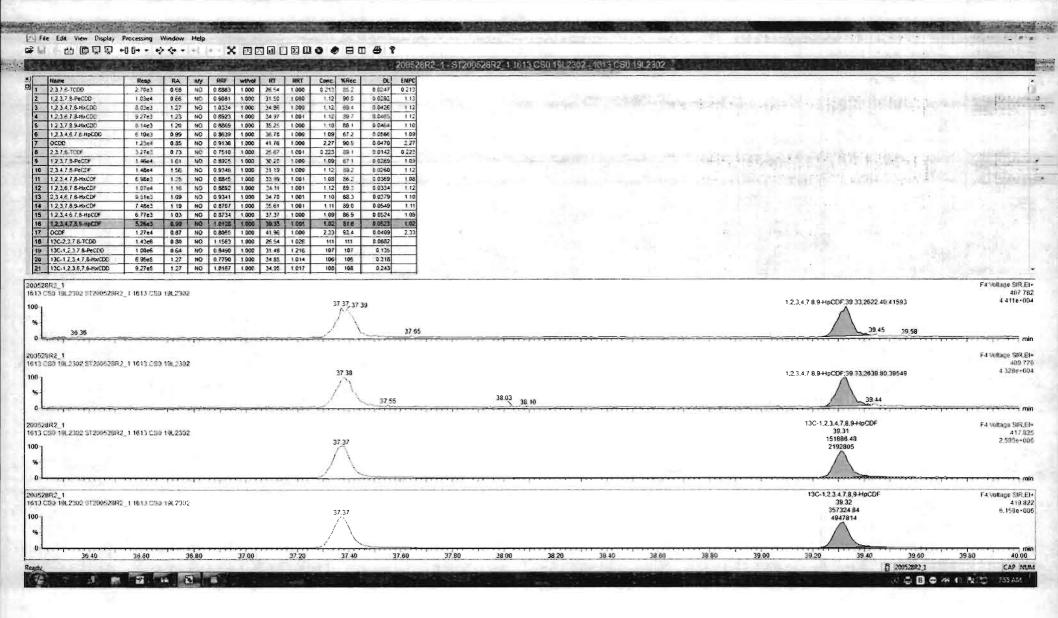


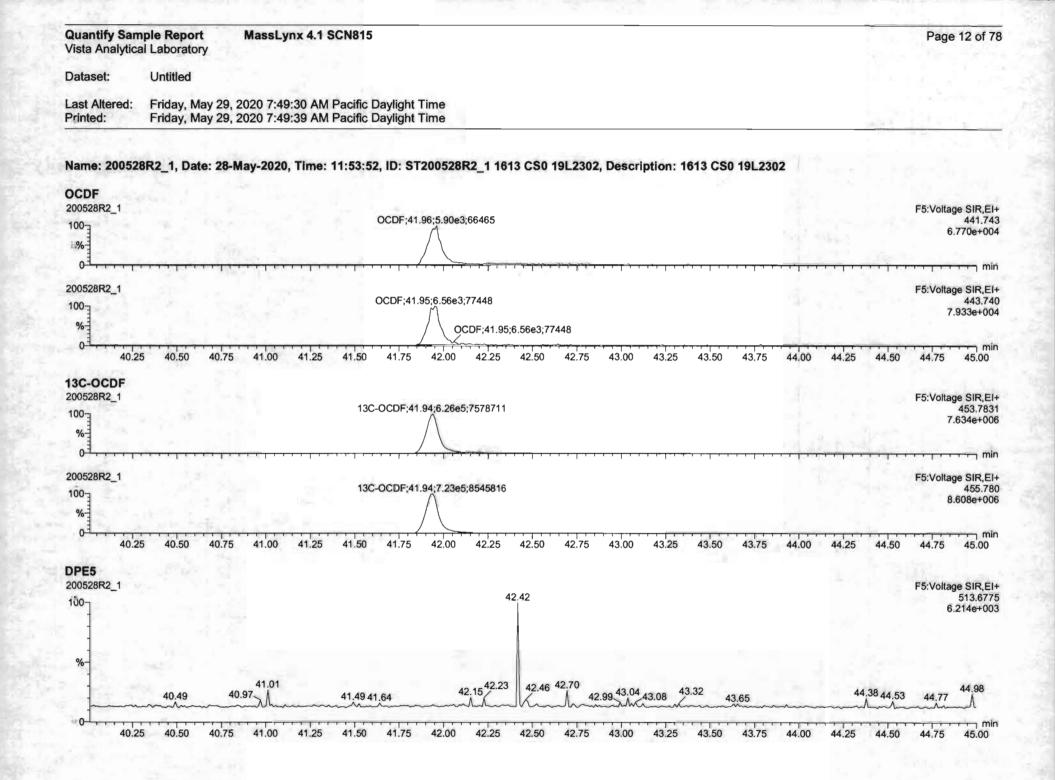
Work Order 2001132



			28R2_1 1613 CIS0 19L2302 - 1613 CS0 19L230		
Name 2.3.7.6-TCDD	Reap RA nty RRF wt/vol RT RRT Conc 2.70e3 0.58 NO 0.2853 1.000 241 1.000 0.211	a %Rec DL EMPC 3 85.7 0.0247 0.213			
1,2 3.7,8-PeCDD	1.03e4 0.66 NO 0.6051 1.000 31.58 1.000 1.1	2 90 0 0 0292 1 13		the second dependent of the second second	Carles a Marca he
1 2 3 4.7 6 HxCDD 1 2 3 6.7 9-HxCDD	8 03e3 127 NO 10334 1000 34 86 1000 1.1 9 27e3 1.23 NO 0.8923 1096 34 97 1001 11			start for the second start of the second	and the second second second
12.3.7.8.9-HxCDC	8 14e3 1 20 NC 0 8865 1 000 35.25 1 000 1.1				
1.2.3 4.6 7 8-HpCDD	6.10e3 0.99 NO 0.8539 1000 278 1000 10				
0CDD 2 3 7 6-7CDF	123e4 0.85 NO 0.9136 1.000 41.76 1.000 2.2 3.27e3 0.73 NO 0.7510 1.000 25.67 1.001 0.22				
123.7 8-PeCDF	146e4 1.61 NO 0.8925 1.000 20.20 1.000 1.0			the second s	and the second second
2.3.4.7.8-Petter	1 48e4 1.56 NO 0 5346 1 000 31 19 1 000 1 1		and the second se		and the second
1.2.2.4.7.8-HXCDF	8 98e3 1.25 NO 0.8845 1.000 23.99 1.001 1.0 1.07e4 1.16 NO 0.8852 1.000 24.11 1.001 1.1	and the second descent of second distance and the	which and the second se	Here, Some before at the restance in the	Contraction of the Ar
1.2.3.6.7 8-HxCDF 2.3.4.6.7.8-HxCDF	1 07e4 1 16 NO 0.8852 1 000 34 11 1 001 1.1. 9.51e3 1 09 NO 0.9341 1 000 34 76 1 001 1.1.				
1,2.3,7,8.9-HotCDF	7.46e3 1.19 NO 0.6707 1.000 35.61 1.001 1.1	1 89.0 0.0540 1.11			
1 2.3.4 6 7.8-H¢CDF	6 77e3 103 NO 0 8734 1000 37 37 1000 1.0				
1,2.3.4.7.8.5 HpCDF	5.26e3 0.99 NO 1.0128 1.000 39.33 1.001 1.0 1.27e4 0.87 NO 0.8065 1.000 41.96 1.000 2.3			and the second	
13C-2,3.7 8-TCDD	143e6 0.80 NO 1.1563 1.000 26.54 1.026 11				
13C-1 2 3 7 8-PeCDO	1 00e6 0 64 NO 0 8490 1 000 31 48 1 216 10				
13C-1 2.3 4 7 8-HxCIXD 13C-1.2 3.6,7.8-HxCDD	6 95e5 1.27 NO 0.7790 1.000 34.65 1.014 10 9.27e5 1.27 NO 1.0167 1.000 34.95 1.017 10			Contraction and the second second second	
⁶² 32.72	al stanto colonia - alcora - trancia alaséra.				ter anterio enticadanter t
3R2_1 30 19L2302 ST200528R2	1 1619 150 100 2002			1,2,3,7 8 9-HttCDF	F3 Voltage SIR E 375 8
on the state of 2 we have a	- TOTO CON THE SHE	33.98 34.11	34 70	35 60 34 11 49	7 501++0
		N N	Δ.	47557	
		$f = \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} $	/		
10.21					transformer and an and a second
32.71	anterestant and a submit a stration in the second	utrastan Lanterscala da alesta	and a second	and a submitted of the second s	the second se
32.71 R2_1 S0 19L2302 51200529R8	1 1613 CS0 19L2302	allowing in the second se	ىيىلىدىلىيى بىلىيىلىدىكى يەركىيە يېلىيىلىدىكى يېلىيىلىدىكى يېلىيىلىدى يىلىدىلىيىلى يېلىيىلىدىكى يېلىكى يې	13C-12.3.7.8.9-H#SDF	3631
R2_1	L 1 1613 C50 19L2302	33.97 ^{34,09}	14.12 34.68	35.59 260051.14	3631
R2_1	L 1 1613 C50 19L2302	33.97 34.09	34 37 34 68	35.59	3631
R2_1	L 1 1613 CS0 19L2302	33.97 24.09	34 37 34 68	35.59 260051.14	3631
32_1 30 19L2302 51200529(42	L 1 16 13 CS0 19L 2302	33.97 24.09	34 37 34 68	35.59 260051.14	F3 voltage SIR 353, 5.803e-t
R2_1 50 19L2302 51200525R4	i alte é des a stats antimes d'an a altente s-a	23.97 24.09	34 37 34 68	35:59 26005114 15:81/96 13C-1.2.3.7.8.9.HxCDF	363. 5 B03e-t 5 Webst-fried F i volkage SIR. 3855
R2_1	i alte é des a stats antimes d'an a altente s-a	33.97 34.09	34 37 34 58 34 37 34 68	35:59 26005114 1581/786 13C-12.37.8.9H#COF 35:59 512573.22	3631
R2_1 50 19L2302 51200525R4	i alte é des a stats antimes d'an a altente s-a	<u> </u>	$\lambda $	35.59 26905114 15817266 	393) 5.803e- 1. Fivotage SIR 3851







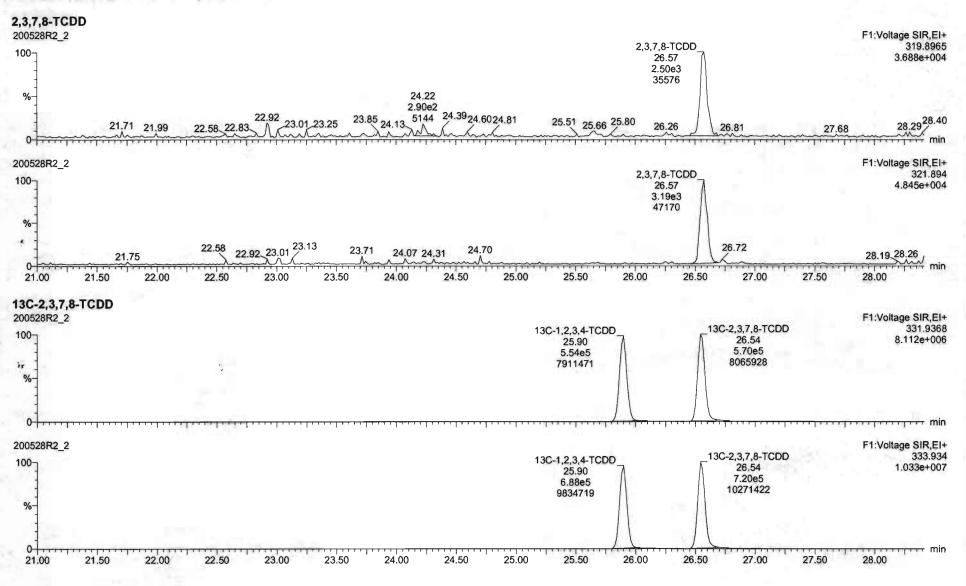
File Edit View Ducita Processing ☞ 니 한 ◎ 및 및 +0 0+ - +2	Mindow Help ・		
· 这些学生的 新闻 新闻 新闻 新闻 · · · · · · · · · · · · · ·	AND THE REAL PROPERTY AND A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTIONO	20052882 4 3120652882 1 1615 CS0 19L2302-1	1613 0.50 1912302
Name Besp 1 2.3.7.6-TCDD 2.716-3 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 128.9 100 128.9 100.2 112 49.2 1.58 NO 0.9348 1000 31.59 1001 108.86.2 11.12 49.2	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	0.243	
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 —

2.0

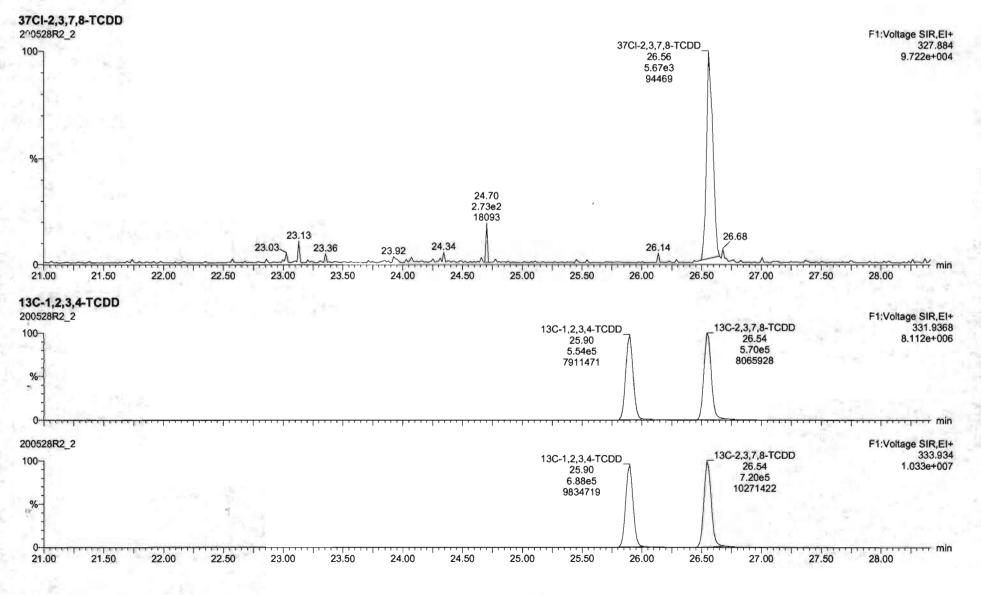
	al Laboratory MassLynx 4.1 SCN815	Page 13 of 7
ataset:	Untitled	
ast Altered: rinted:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
ame: 20052	8R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302	
FK1 10528R2_1 19	0.43;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
%	Summer and the second s	
0 ^{-]} , 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
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 32.20;	F2:Voltage SIR,E 1.14e4;181758 366.97 1.688e+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 32.00	32.25 32.50
FK3		
	33.12;1.93e6;3477579 33.12;1.93e6;3477579 33.82 33.97 34.23 34.37 34.52 35.32 35.32	380.97
32.63	33.12;1.93e6;3477579 33.12;1.93e6;3477579 33.82 33.97 34.23 34.37 34.52 35.32 35.32 35.32	380.97
32.63	33.12,1.93e0,347/579 33.82 33.97 34.23 34.37 34.32 33.52 35.52 35.	.59 9.755e+0
500 32.63 6 7 7 7 7 7 7 7 7	33.82 33.97 34.23 34.37 34.32 35.2 35.2 35.40 35.00 35.20 35.40 35.20 35.40 35.20 35.40 35.20 35.40 35.20 35.40 35.20 35.40 35.20 35.40 35.20 35.40 35.20 35.20 35.40 35.20 35.20 35.40 35.20 35.20 35.40 35.20 35.20 35.40 35.20 35	.59 9.755e+0 9.755e+0 5.60 35.80 36.00 F4:Voltage SIR,E
5 K4 0 528R2_1	33.82 33.97 34.23 34.37 34.32 33.52 35.20 35.20 35.40 35.00 35.20 35.40 35.20	.59 9.755e+00 9.755e+00 5.60 35.80 36.00 F4:Voltage SIR,E
500 32.63 6 7 7 7 7 7 7 7 7	33.12,1.9366,3477579 33.82 33.97 34.23 34.37 34.32 30.32 33.80 33.80 34.00 34.20 34.40 34.60 34.80 35.00 35.20 35.40 35 36.42;1.13e6;3811751 37.22 37.48 37.88 38.13 38.29 38.62;9.37e4;774995 39.13 39.42 37.22 37.48 37.88 38.13 38.29 38.62;9.37e4;774995 39.13 39.42	.59 9.7558+0 9.7558+0 5.60 35.80 36.00 F4:Voltage SIR,E 39.62 39.86 7.524e+0
⁰⁰ 32.63 % 0 32.63 % 0 32.63 32. 5 K4 00528R2_1 % 0 36.42 % 0 36.44 FK5 00528R2_1	33.12/13366,347/579 33.82 33.97 34.23 34.37 34.22 35.2 35.2 35.40 35.00 35.20 35.40 35.20 35.20 35.40 35.20 35.20 35.40 35.20 35.20 35.40 35.20	.59 9.7558+0 9.7558+0 5.60 35.80 36.00 F4:Voltage SIR,E 39.62 39.86 7.524e+0 39.60 39.80 40.00 F5:Voltage SIR,E 454.97
% 0 0 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	33.12/13366,347/579 33.82 33.97 34.23 34.37 34.22 35.2 35.2 35.40 35.00 35.20 35.40 35.20 35.20 35.40 35.20 35.20 35.40 35.20 35.20 35.40 35.20	5.60 35.80 36.00 F4:Voltage SIR,E 39.62 39.86 7.524e+04

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

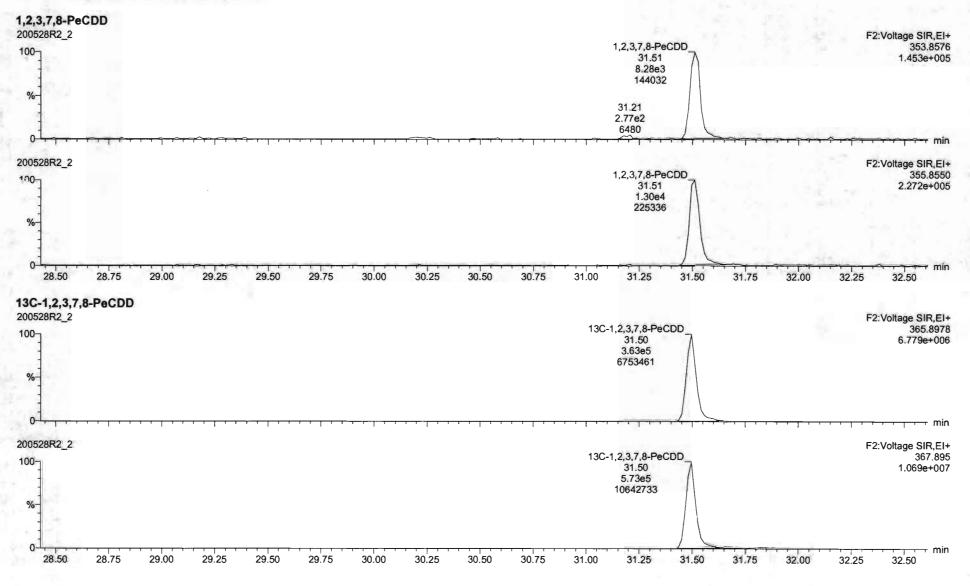


	Page 15 of 78
Untitled	
Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
	I Laboratory Untitled Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time



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 /ista Analytica		N815							Page 17 of 7
Dataset:	Untitled								
ast Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pa Friday, May 29, 2020 7:49:39 AM Pa	cific Daylight Time cific Daylight Time							
lame: 200528	8R2_2, Date: 28-May-2020, Time: 12	41:31, ID: ST200528	R2_2 1613 C	61 19L2303,	Descrip	otion: 1613 CS1 1	9L2303		
2,3,4,7,8-Hx	CDD								
00528R2_2						1,2,3,6,7,8-HxC	CDD;34.99;1.0	06e4;163968 1,2,3,7,8,9- 35.2 8.866 13609	7 93
0+++++++++++++++++++++++++++++++++++++		╍╍┶╍╍╍┑┑╸			ليبينايين		Turture		F3:Voltage SIR,E
00 						1,2,3,6,7,8-HxC	DD;34.97;8.4	3e3;146384 1,2,3,7,8,9-1 35.26 7.34e 11439	391.81 1.493e+00 3 3
		33.71		34.26	· · · · · · ·		Y		
32.40	32.60 32.80 33.00 33.20	33.40 33.60 3	3.80 34.00	34.20	34.40	34.60 34.80	35.00	35.20 35.40	35.60 35.80
3C-1,2,3,4,7 , 00528R2_2	8-HxCDD				13C-	13C-1,2,3,6,7,8-Hx(-1,2,3,4,7,8-HxCDD_ 34.87 3.63e5 6246447	CDD;34.96;4.0	82e5;7460705	F3:Voltage SIR,E 401.85 7.541e+00
00528R2_2			.1		13C-	13C-1,2,3,6,7,8-Hx 1,2,3,4,7,8-HxCDD 34.86 2.83e5 4870497	CDD;34.96;3.	80e5;5864503	F3:Voltage SIR,E 403.8t 5.921e+00

34.20

34.40

34.60

34.80

35.00

33.00

32.80

32.60

33.20

33.40

33.60

33.80

34.00

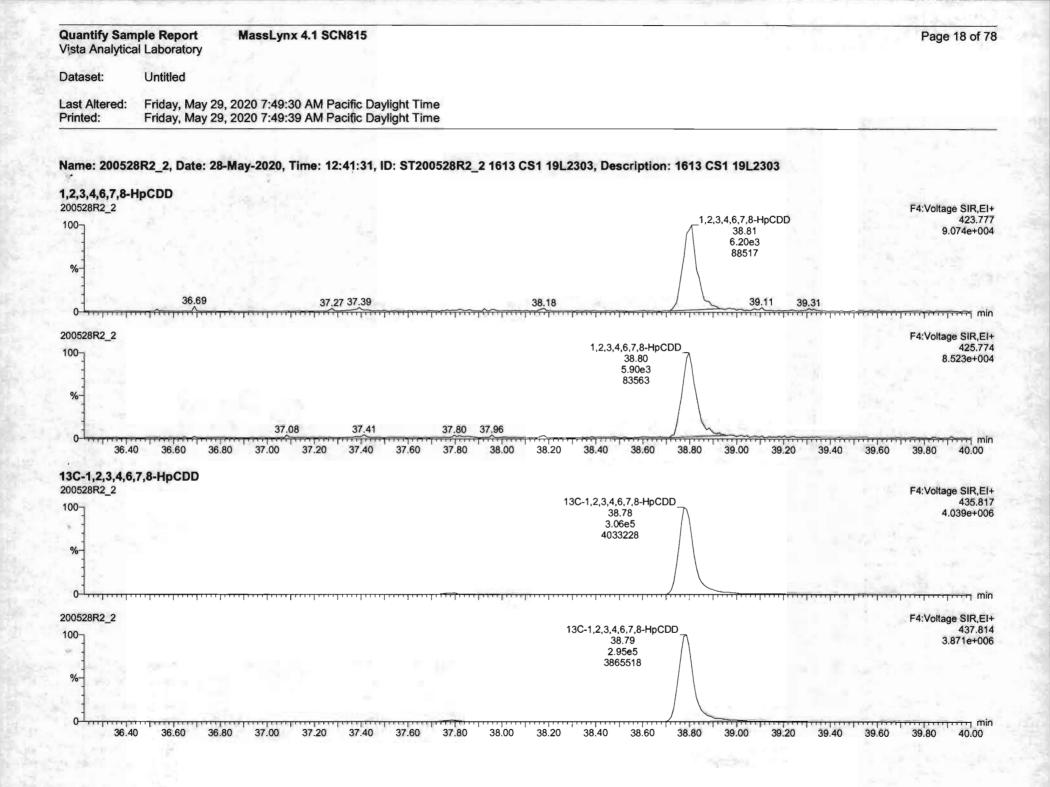
Work Order 2001132

35.60

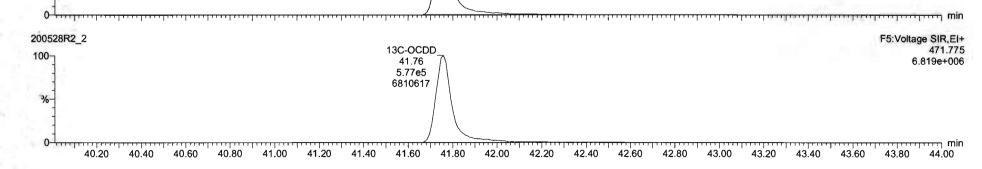
35.40

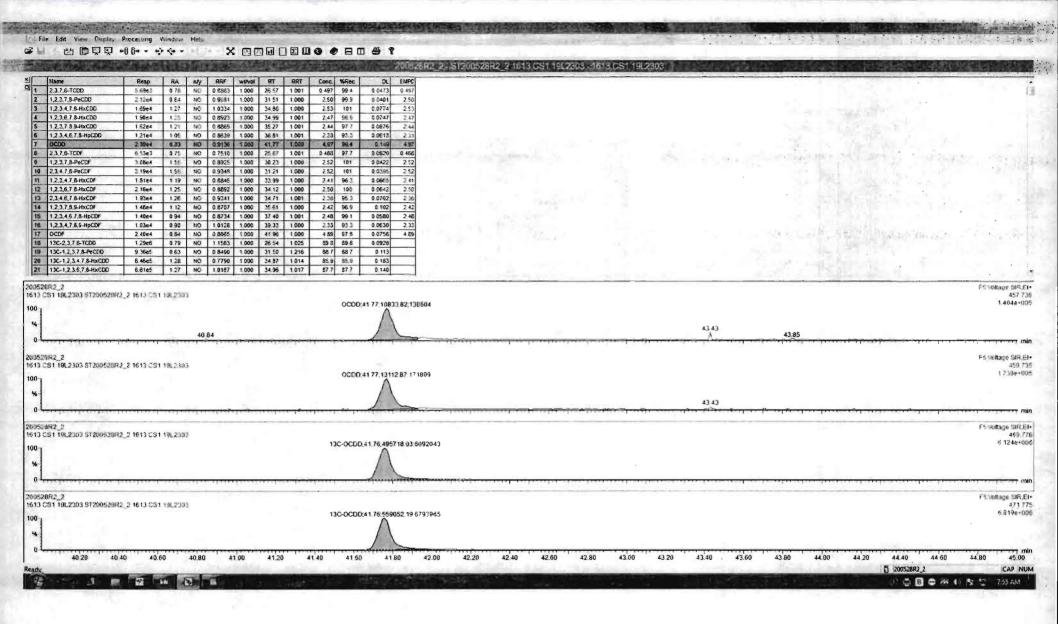
35.20

min 35.80

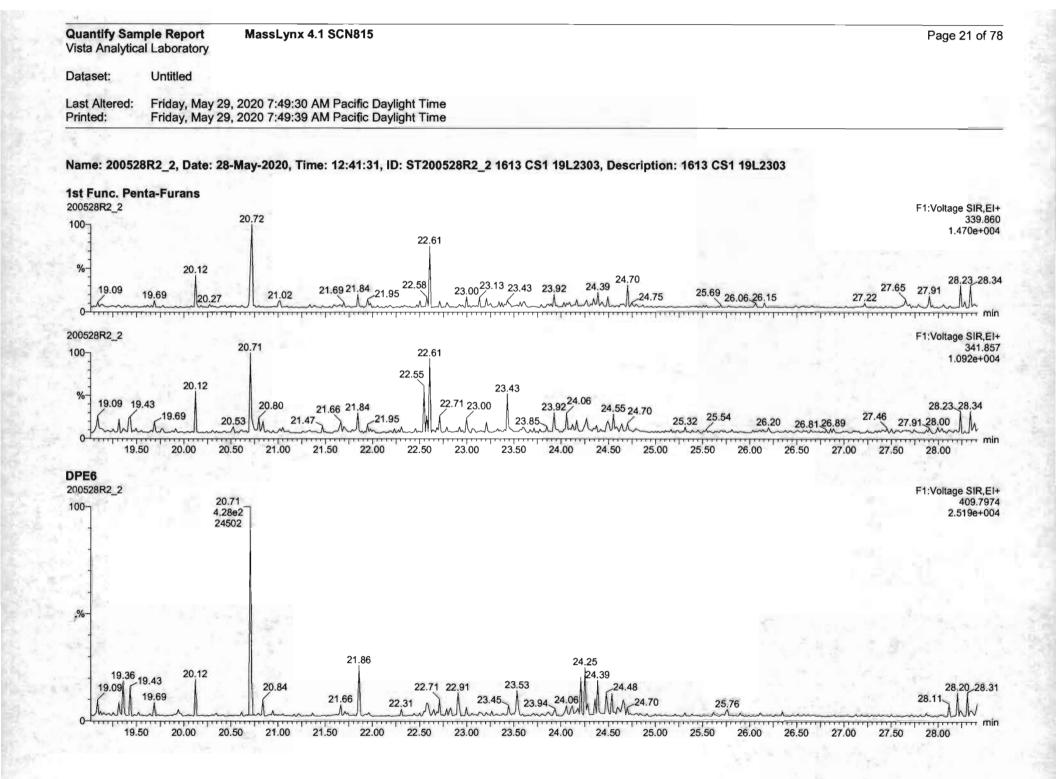


Quantify Sam /ista Analytica		MassLynx 4.1 SCN81	5		Page 19 of 7
Dataset:	Untitled				
ast Altered: Printed:		, 2020 7:49:30 AM Pacific , 2020 7:49:39 AM Pacific			
			la.		
	8R2_2, Date: 28-	-May-2020, Time: 12:41:	31, ID: ST200528R2_2 1613 CS1 1	9L2303, Description: 1613 CS1 19L2	2303
200528R2_2					F5:Voltage SIR,EI
100			OCDD 41.77 1.08e4 138604		457.73 1.404e+00
%					43.43
0		40.84			43.85 1000000000000000000000000000000000000
200528R2_2					F5:Voltage SIR,EI
100			OCDD 41.77 1.31e4		459.73 1.739e+00
%-			171899		
					43,43
0	0 40.40 40.60) 40.80 41.00 41.20	0 41.40 41.60 41.80 42.00	42.20 42.40 42.60 42.80 43.0	יויקויויקויויקויויקאיקאיזאיזאיזאיזאיזאיזאיזאיזאיזאיזאיזאיזאיזא
13C-OCDD 200528R2_2					F5:Voltage SIR,E
100-]			13C-OCDD 41.76		469.7 6.124e+00
-			5.18e5 6112586		





uantify Sam sta Analytica			sLynx 4.1 \$													Page 20 of 7
ataset:	Untitled															
ist Altered: inted:	Friday, May 2 Friday, May 2															
and the second	ak at															
	R2_2, Date: 2	28-May-20	020, Time:	12:41:31,	ID: ST20052	8R2_2	2 1613 CS1	19L2	303, Deso	ription: 1	1613 C	51 19L23	03			
3,7,8-TCDF 0528R2_2					Total Tetra-Fur	ans										F1:Voltage SIR,E
Eou		_Tot	tal Tetra-Furan 20.72	าร	22.58 2.99e2					2,3,7,8- 25.	68 🏹					303.90 4.128e+00
%- 19.37 19.45	19.96 20.14		6.92e2 37223	᠂ᡤ᠇ᡝ᠇ᡨ᠇ᡊᡝᢚᠶ᠇᠇᠇	14512	2.94	23.4623.73	23.94	24.3924.6	2.80 5 401	41	25.90		17	<u> </u>	28.22 28.32
0528R2_2	тс	otal Tetra-Fu	urans							1					1	F1:Voltage SIR,E
Eou		20.72 4.95e2 24591		Total Tetra	-Furans;22.58;	4.55e2::	30244			2,3,7,8- 25.	68 7					305.8 5.412e+0
3 19.22 /	45 19.91 20.		20.86	21.96	1	2.94	22 62	.83 24	21 24.6			25.85			27.50	28.32
0 Դուդումը։ 19.50	0 20.00	20.50 2	21.00 21.5	0 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-TC	DF															
0528R2_2					13C-1.2.3.4-	TCDF:2	24.22;8.00e5;9	677724		13C-2,3,7,8-	TODE					F1:Voltage SIR,E 315.94
									١	25.66 7.77e5	7					1.069e+0
%-] 0										1060201					_	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
0528R2_2	and								1	<u>ئىت</u> با بى ا		1111111111	Interferit	1	hindre	F1:Voltage SIR,E
0020102_2)0 ₇					13C-1,2,3,4-T	CDF;24	1.22;1.03e6;12	290426		13C-2,3,7,8- 25.66	TCDF					317.93 1.395e+00
%								/		1.00e6 1385137						1.0000-00
0-1,,	0 20.00	20.50 2	21.00 21.5	0 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
	20.00	20.00 2	21.00	22.00	22.00	20.00	20.00	24.00	24.00	20.00	20.00	20.00	20.00	21.00	21.00	20.00
PE1 0528R2_2																F1:Voltage SIR,E
		20.71 .13e2														375.83 2.898e+0
1		28142														
-																
%																
1		1.1.1			00 5000	71		2	4.25 24.48							
1			0.04	21 06	22.5822.	/1		2.	24.48	121						
19.43	19.69 20.12	20	0.84 21.29	21.66 21.86	An h	23.	.21 23.55 2	3.92	Mm. An F	24.70			26.45			28.11 28.20 28.



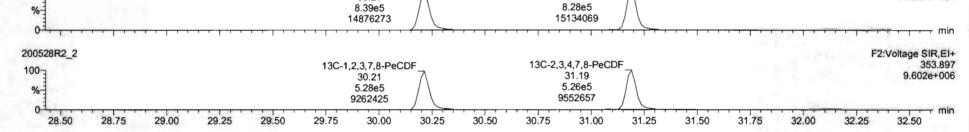
Quantify Sam Vista Analytica		Page 22 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
lume: 20052	R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303	
,2,3,7,8-PeC		
Contract of the second		F2:Voltage SIR,EI+
CONTRACT OF THE PARTY OF	1,2,3,7,8-PeCDF;30.23;1.87e4;316381 1,2,3,7,8-PeCDF;30.23;1.87e4;316381 1.24 1.94e4 358772	339.860 3.602e+005
200528R2_2 100 0 0 100 0 200528R2_2	1,2,3,7,8-PeCDF;30.23;1.87e4;316381 2,3,4,7,8-PeCDF 31.21 1.94e4	339.860

232901

31.00

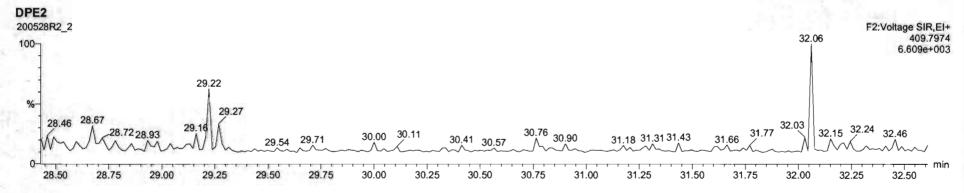
13C-2,3,4,7,8-PeCDF 31.19

31 25



30,50

30.75



Work Order 2001132

0-

100-

28.50

200528R2_2

13C-1,2,3,7,8-PeCDF

28.75

29.00

7857

29.50

29.75

30.00

13C-1,2,3,7,8-PeCDF 30.21

30.25

29.25

min

351.900

1.524e+007

32.50

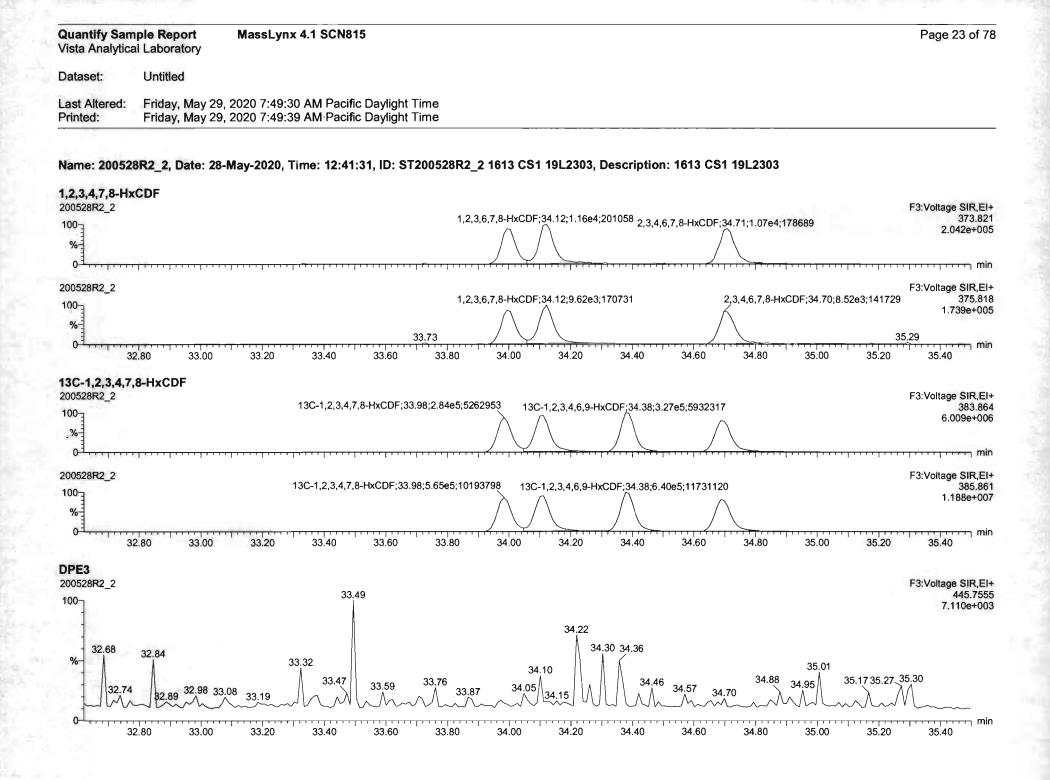
F2:Voltage SIR,EI+

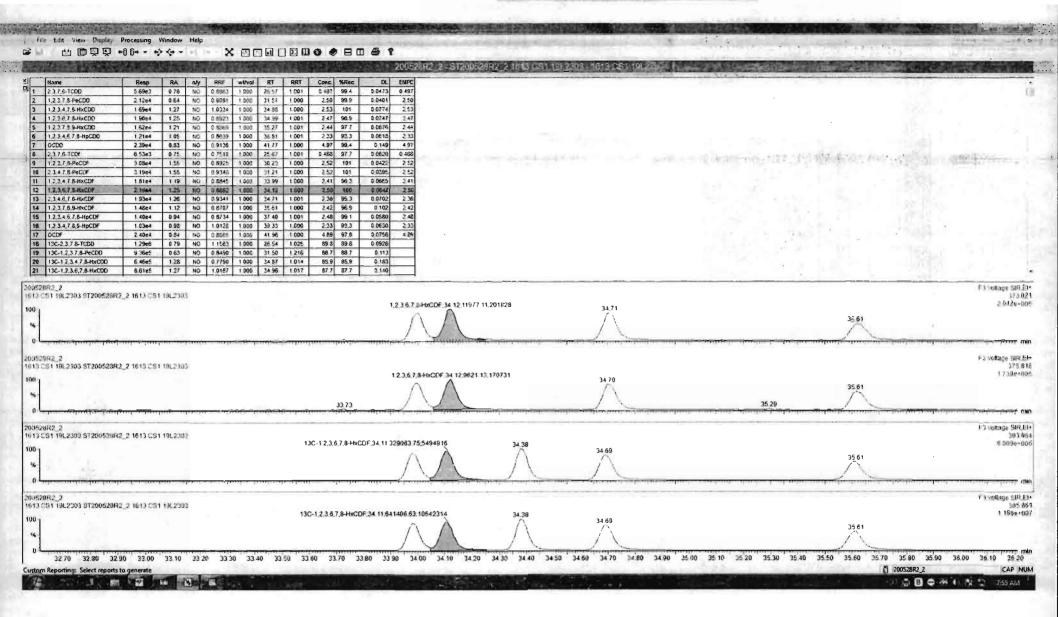
32.00

32.25

31.75

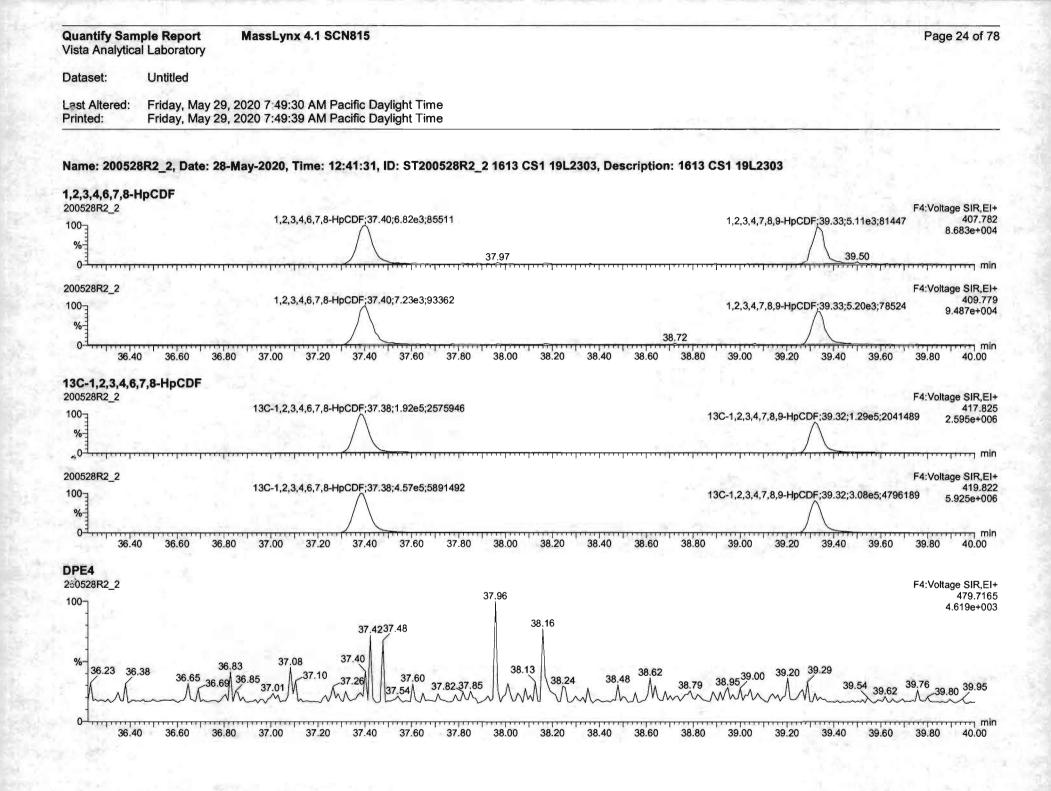
31.50

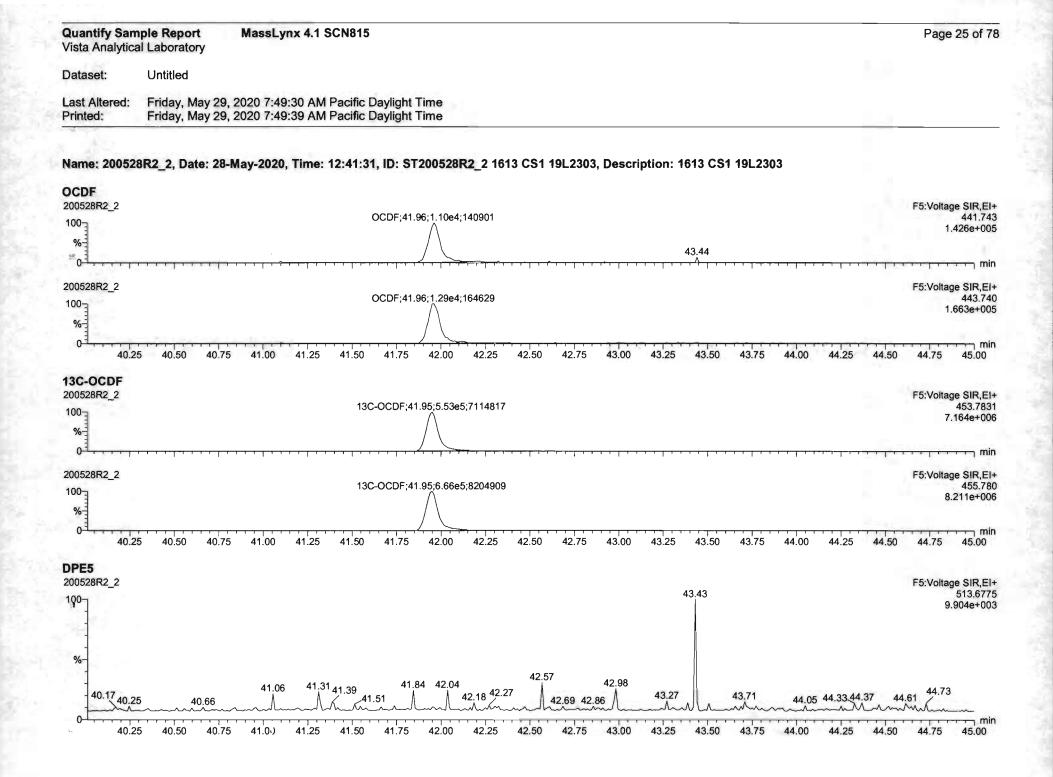




International Property of States, South

								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	21504 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 see a 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 sec						
				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
136-12387.8-Hx600 6R2_2 CS1 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 S1 19L2303 ST200528R2 S1 19L2303 ST200528R2 S1 19L2303 ST200528R2 S1 19L2303 ST200528R2 BR2_2	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 S1 19L2303 ST200528R2 MR2_2	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 59	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-1.2.3.7.8.9-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 59	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 59	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 59	29 Faltonage 17 Fâltonage 6.0 Fâltonage 6.0
13C-1.2.3.6,7,8-HxCDD BR2_2 S1 19L2303 ST200528R2 S1 19L2303 ST200528R2 S1 19L2303 ST200528R2 S1 19L2303 ST200528R2 BR2_2	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 Vortage 17: Fra Vortage 6 år Fra Vortage
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 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 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- Francisco Francisco Francisco Francisco Gale Francisco Franco



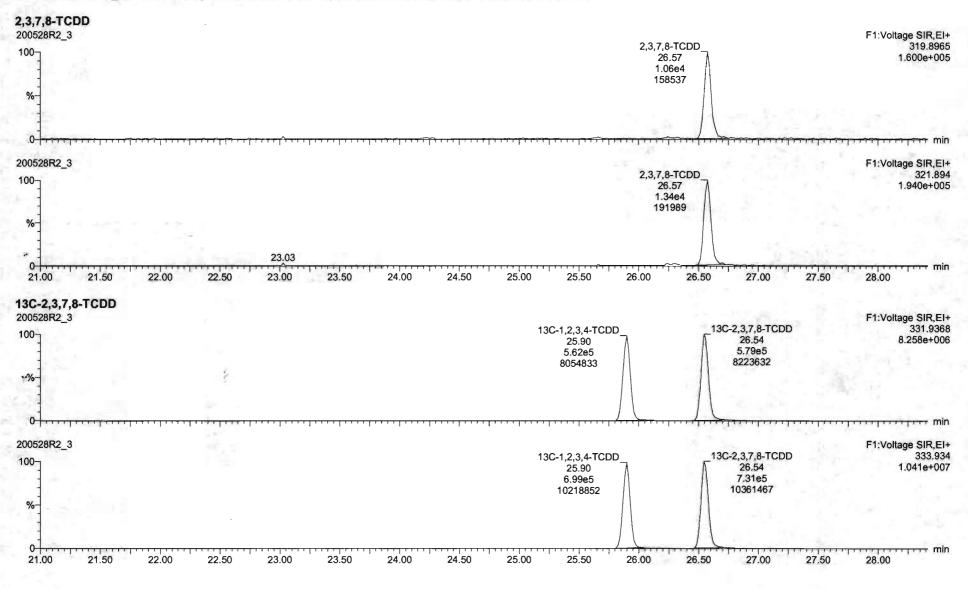


na contactant	• • • • •	A State Westernet		E Distant	200528R2	2 ST200528R2 2 16	13 CS1 19L2303- 161	3.CS1 19L2303	MALLAND STREET	프로그램에 미하는 것이라.	2400-2009-0	Contraction of the second
Name	Reap R	ny RRF	NTVOI RT RR	T Conc. %Riec	OL EMPC							
2.3.7.6-TCDD	5.69e3 0		1000 26.57 1.00		0.0423 0.497							
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		1V					
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 	• • • • • • • • • • • • • • • •	A 1.14 1.16 1.16 1.
\$1 18L2303 \$T200528R1				÷					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 19
\$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	* - ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	n an	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.} - 3., [²⁰ , ²⁰		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		ىلىنى بىرىنىيى بىرىرىيى بىرىنىيى بىرىيى بىرىيى بىرىيى بىرى بىرىنى بىرىنىيى بىرىنىيى بىرىيى بىرىيى 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 - لى	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	98,164307			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	98,164307			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
$\begin{array}{c} \hline & & \\ \hline & & \\ 28.50 & 28.75 & 29.00 & 29.25 & 29.50 & 29.75 & 30.00 & 30.25 & 30.50 \\ \hline & & \\ \hline \\ \hline$	24 70-4 0104-942659			52.25 32.50 F3:Voltage SIR, 68 35.79 380.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	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
$\begin{array}{c} 28.50 & 28.75 & 29.00 & 29.25 & 29.50 & 29.75 & 30.00 & 30.25 & 30.50 \\ \hline \textbf{(3)} \\ 528R2_2 \\ \hline \textbf{(3)} \\ 32.64 \\ \hline \textbf{(3)} \\ 32.80 & 33.00 & 33.20 & 33.40 & 33.60 & 33.80 & 34.00 & 34.20 & 34.4 \\ \hline \textbf{(4)} \\ 528R2_2 \\ \hline \textbf{(5)} \\ 53.60 \\ \hline \textbf{(5)} \\ 53.60 \\ \hline \textbf{(5)} \\ 53.60 \\ \hline \textbf{(5)} \hline$	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 8.60 3 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 8.60 3 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,
$\begin{array}{c} 28.50 & 28.75 & 29.00 & 29.25 & 29.50 & 29.75 & 30.00 & 30.25 & 30.50 \\ \hline & & & & & & & & \\ 32.81 & 32.96 & 33.11 & 33.24 & 33.58 & 33.63 & 34.10 & 34.36 \\ \hline & & & & & & & & & & \\ 32.80 & 33.00 & 33.20 & 33.40 & 33.60 & 33.80 & 34.00 & 34.20 & 34.4 \\ \hline & & & & & & & & & \\ 32.80 & 33.00 & 33.20 & 33.40 & 33.60 & 33.80 & 34.00 & 34.20 & 34.4 \\ \hline & & & & & & & & \\ 36.49 & 30e5;3526245 & 36.87 & 36.99 & 37.29 & 37.34 & 37.50 & 37.63 & 37.81 & 37.95 \\ \hline & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & \\ 32.80 & 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & \\ 32.882 & 2 & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & & & & & & & & & &$	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 & & & & & & & \\ 32.80 & 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 & & & & & & & \\ 32.80 & 33.00 & 33.20 & 33.40 & 33.60 & 33.80 & 34.00 & 34.20 & 34.4 \\ \hline & & & & & & & \\ 32.872_2 & & & & & & \\ 36.49; 9.30e5; 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 & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & \\ 528R2_2 & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & \\ 528R2_2 & & & & & & & & \\ 36.40 & 36.60 & 36.80 & 37.00 & 37.20 & 37.40 & 37.60 & 37.80 & 38.00 & 38.20 \\ \hline & & & & & & & & & \\ 528R2_2 & & & & & & & & & \\ 528R2_2 & & & & & & & & & \\ 538R2_2 & & & & & & & & & & \\ 538R2_2 & & & & & & & & & & & & \\ 538R2_2 & & & & & & & & & & & & \\ 538R2_2 & & & & & & & & & & & & & \\ 538R2_2 & & & & & & & & & & & & & & \\ 538R2_2 & & & & & & & & & & & & & & & & \\ 538R2_2 & & & & & & & & & & & & & & & & & & $	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



uantify Sample Report MassLynx 4.1 SCN815 sta Analytical Laboratory		Page 28 of 7
ataset: Untitled		
st Altered: Friday, May 29, 2020 7:49:30 AM Pacific Dayligh inted: Friday, May 29, 2020 7:49:39 AM Pacific Dayligh	ht Time ht Time	
ame: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: 3	ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304	
CI-2,3,7,8-TCDD	_	
0528R2_3	37CI-2,3,7,8-TCDD_	F1:Voltage SIR,E 327.88
°	26.57 2.30e4	3.253e+00
]	324375	
%		
%		
0 1.00 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
0 0 1.00 21.50 22.00 22.50 23.00 23.50 C-1,2,3,4-TCDD	24.00 24.50 25.00 25.50 26.00 26.50	27.00 27.50 28.00
0 0 21.00 21.50 22.00 22.50 23.00 23.50 C-1,2,3,4-TCDD 0528R2_3		27.00 27.50 28.00 F1:Voltage SIR,E 3,7,8-TCDD 331.93
0 0 1.00 21.50 22.00 22.50 23.00 23.50 C-1,2,3,4-TCDD	13C-1,2,3,4-TCDD 13C-2 25,90 5.62e5	27.00 27.50 28.00 F1:Voltage SIR,E ,3,7,8-TCDD 331.93 26.54 8.258e+0 5,79e5
0 0 21.00 21.50 22.00 22.50 23.00 23.50 C-1,2,3,4-TCDD 0528R2_3	13C-1,2,3,4-TCDD 13C-2 25,90 5.62e5	27.00 27.50 28.00 F1:Voltage SIR,E 3,7,8-TCDD 331.930 26.54 8.258e+00
0 0 21.00 21.50 22.00 22.50 23.00 23.50 C-1,2,3,4-TCDD 0528R2_3	13C-1,2,3,4-TCDD 13C-2 25,90 5.62e5	27.00 27.50 28.00 F1:Voltage SIR,E 3,7,8-TCDD 331.93 26.54 8.258e+00 5,79e5
0 0 21.00 21.50 22.00 22.50 23.00 23.50 C-1,2,3,4-TCDD 0528R2_3	13C-1,2,3,4-TCDD 13C-2 25,90 5.62e5	27.00 27.50 28.00 F1:Voltage SIR,E 3,7,8-TCDD 331.93 26.54 8.258e+0 5,79e5 3223632
C-1,2,3,4-TCDD	13C-1,2,3,4-TCDD 13C-2 25,90 5.62e5	27.00 27.50 28.00 F1:Voltage SIR,E 3,3,7,8-TCDD 331.93 26.54 8.258e+0 5.79e5 223632
0 0 1.00 21.50 22.00 22.50 23.00 23.50 C-1,2,3,4-TCDD 0528R2_3 0 0 0 0 0 0 0 0 0 0 0 0 0	13C-1,2,3,4-TCDD 25.90 5.62e5 8054833 13C-2 1	27.00 27.50 28.00 F1:Voltage SIR,E 33.7,8-TCDD 331.93 26.54 8.258e+00 5.79e5 3223632 F1:Voltage SIR,E 33.7,8-TCDD 333.9
C-1,2,3,4-TCDD	13C-1,2,3,4-TCDD 25.90 5.62e5 8054833 13C-1,2,3,4-TCDD 13C-1,2,3,4-TCDD 25.90 6.99e5	27.00 27.50 28.00 F1:Voltage SIR,E 3.7,8-TCDD 331.93 26.54 8.258e+00 5.79e5 5223632

24.50

24.00

25.00

25.50

26.00

26.50

27.00

23.50

23.00

Work Order 2001132

21.50

22.00

22.50

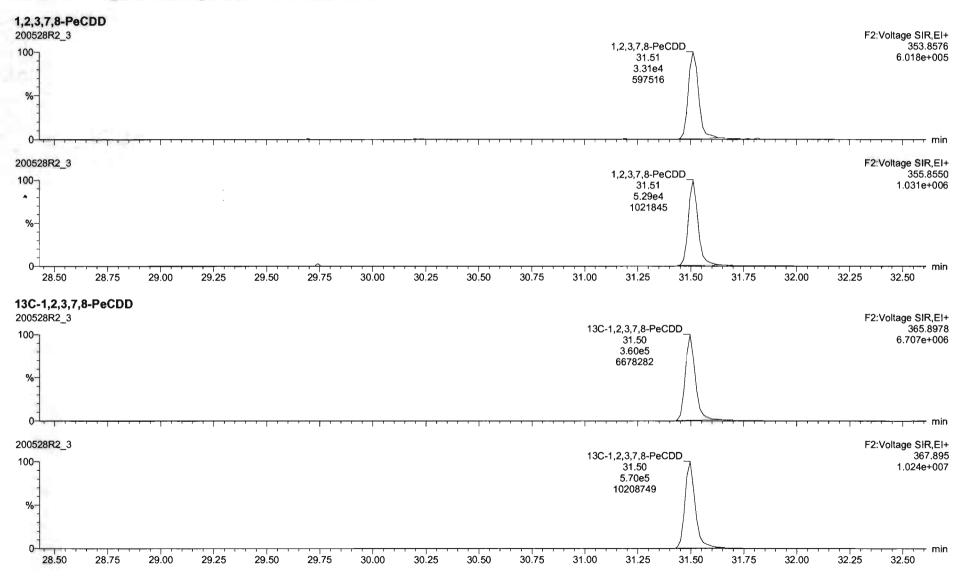
28.00

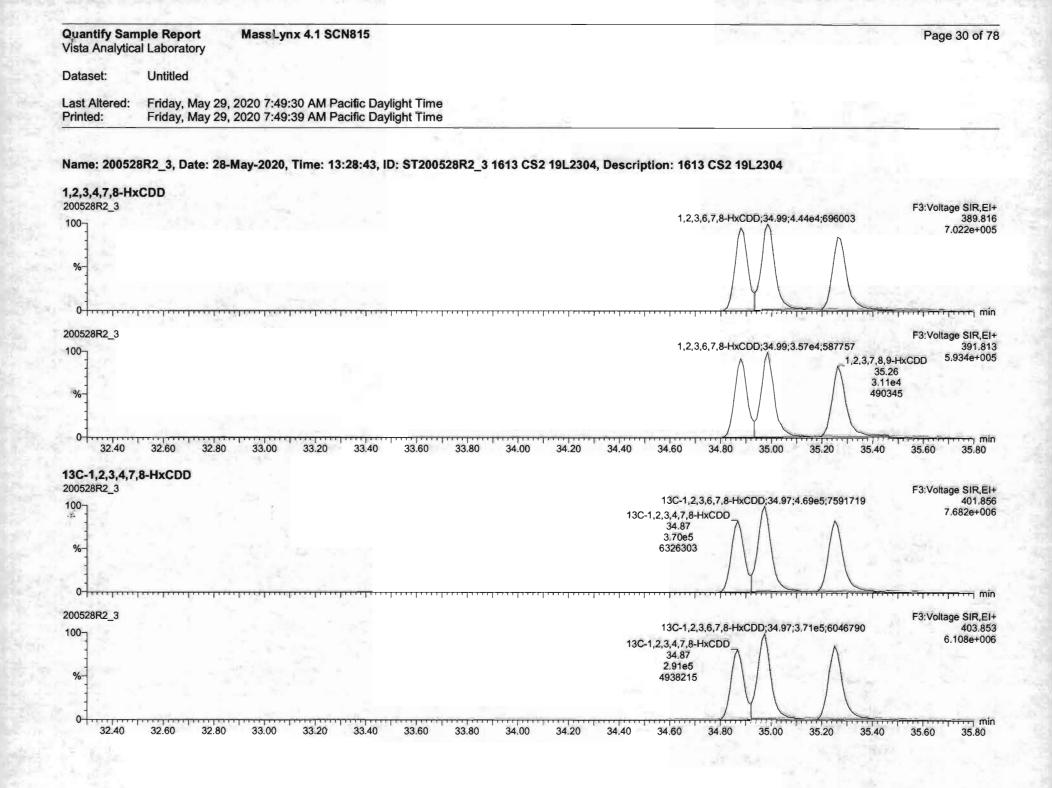
min

27.50

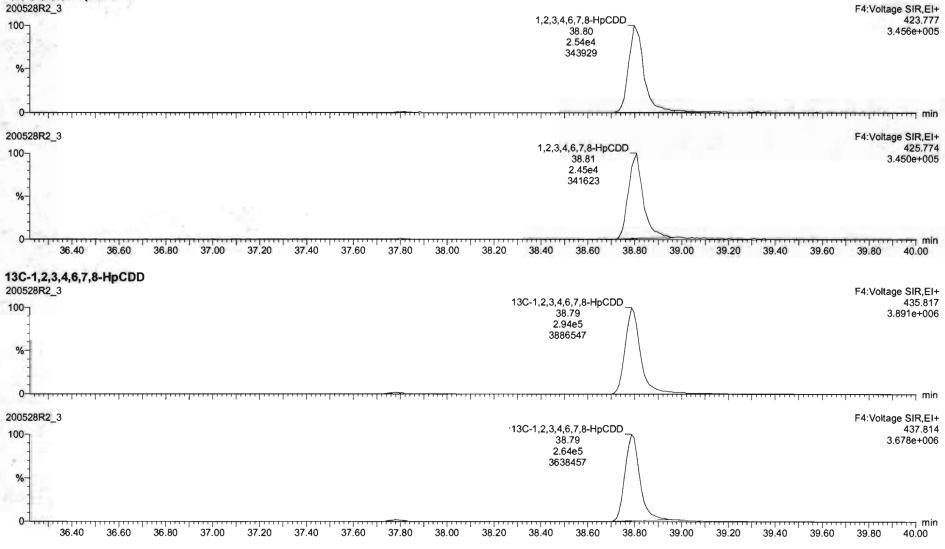
Quantify Sam Vista Analytica		Page 29 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



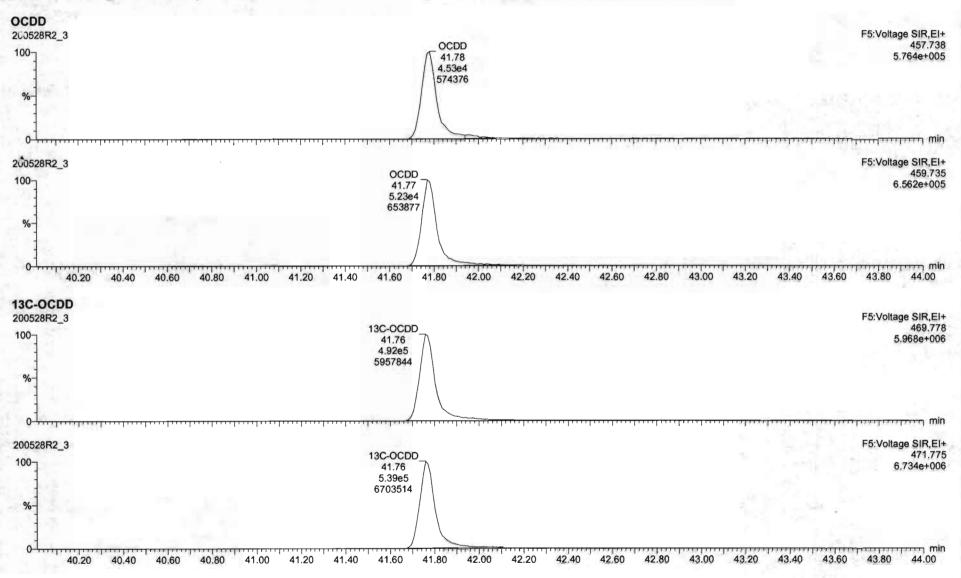


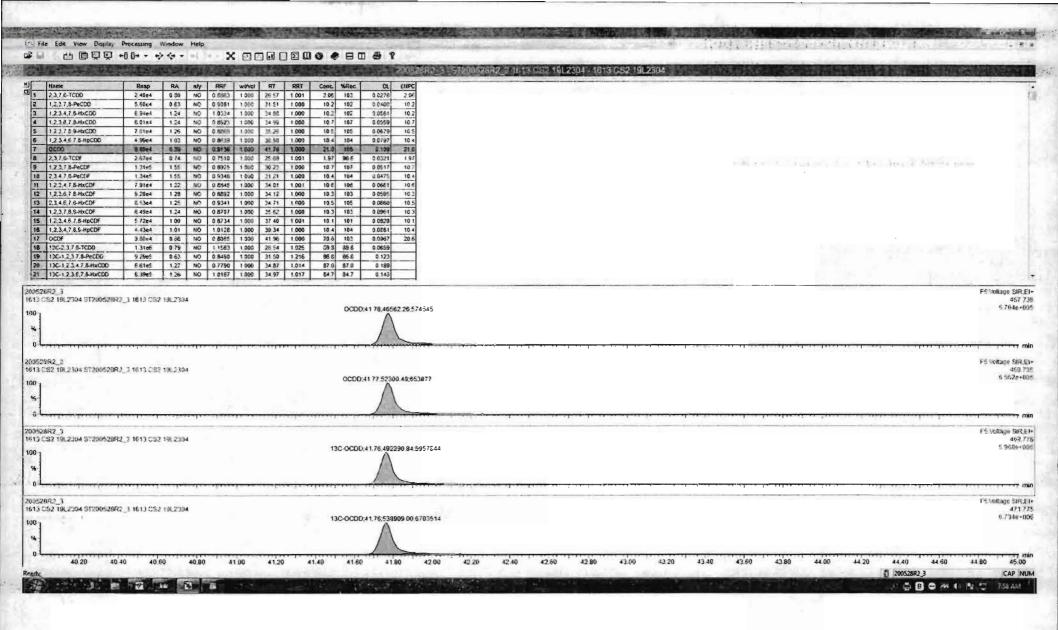
Vista Analytical La	e Report MassLynx 4.1 SCN815 aboratory	Page 31 of 78
Dataset: Ur	Intitled	
	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

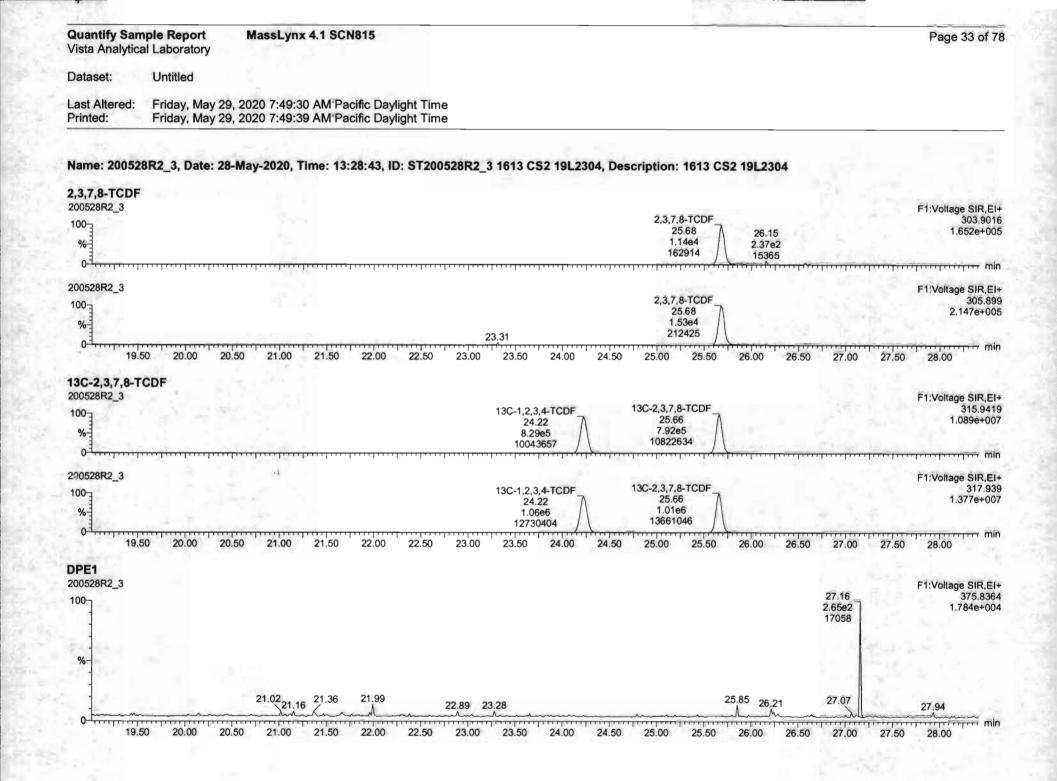


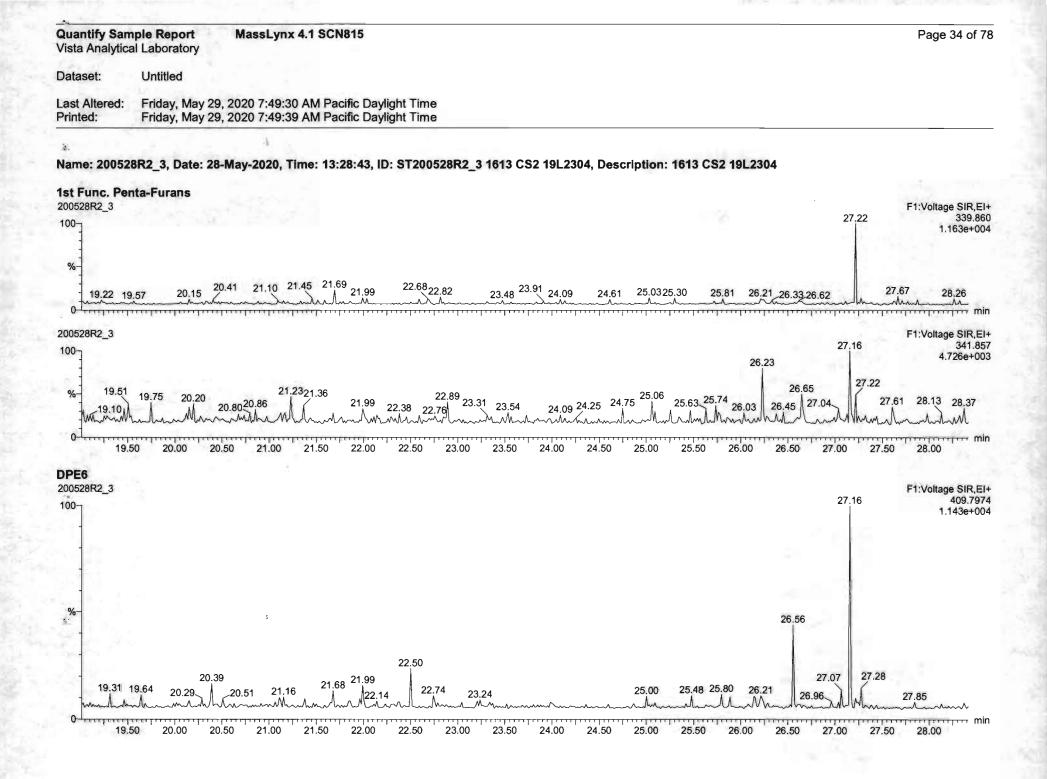
Quantify Sam Vista Analytica		Page 32 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304





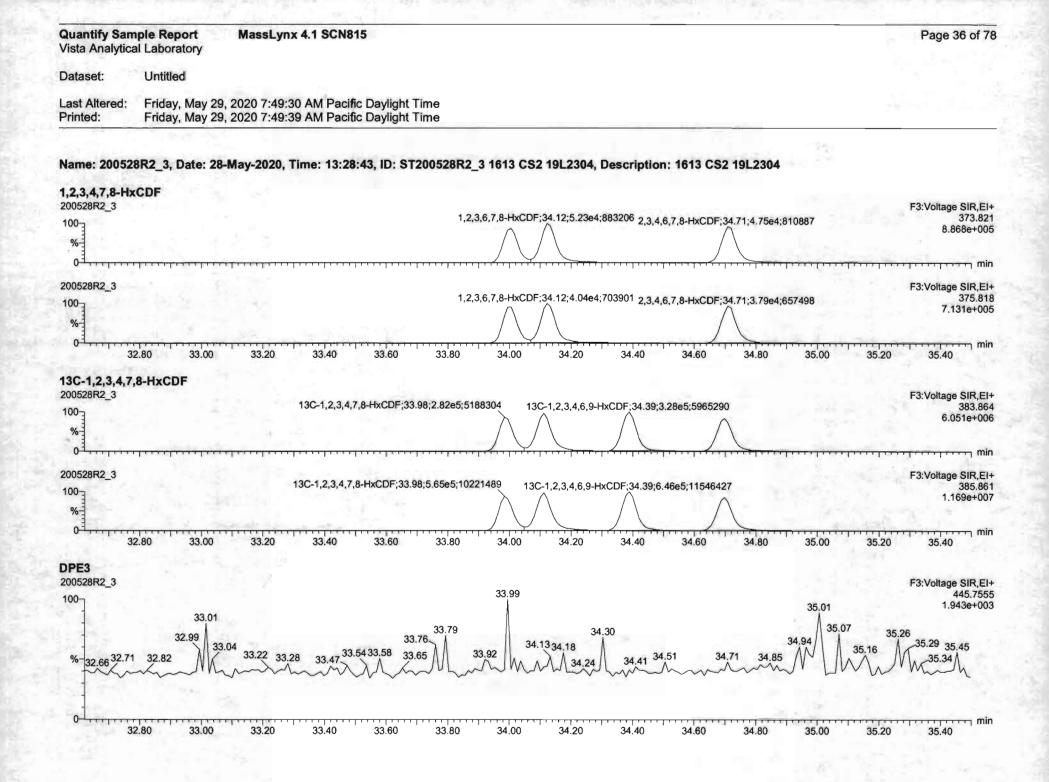




Work Order 2001132

uantify Sam sta Analytica	al Laboratory	massL	ynx 4.1 SCM	1013										Page 35 of
ataset:	Untitled													
ast Altered: inted:		29, 2020 7:4 29, 2020 7:4												
ame: 20052	BR2_3, Date:	28-May-2020), Time: 13:	28:43, ID: ST	200528R2_	3 1613 CS2	19L2304, I	Descriptio	n: 1613 (CS2 19L23	04			
2,3,7,8-PeC 0528R2_3	DF												E2	:Voltage SIR,
0-1					,8-PeCDF		2,3	3,4,7,8-PeCD	₽F				12	339.
%				7	.98e4			31.21 8.12e4	\bigwedge					1.518e+0
0		· · · · · · · · · · · · · · · · · · ·	,	14	66043		· · · · · · · · · · · · · · · · · · ·	1510798	/				, , . <u>, .</u> , ., .,	· · · · · · · · ·
050000.0	4		,	·			ï	,		,	,	·	E2	
0528R2_3)0-		1		1,2,3,7	,8-PeCDF_		2,3	3,4,7,8-PeCD	F_				FZ	Voltage SIR, 341.
1					30.23			31.21 5.24e4	\wedge					9.743e+
%					34156			970538						
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	32.00	32.25	32.50
C-1,2,3,7,8- 0528R2_3	PeCDF												F2	Voltage SIR,
0-1				13C-1,2,3,7,				4,7,8-PeCDI	F				14	351.
%				30.2 8.45				31.19 3.51e5	\wedge					1.561e+
				14883			15	542624						
				,,,,,,,,,	1			1 1 1 1 1 1						
0528R2_3				13C-1,2,3,7,			13C-2.3	4,7,8-PeCD	E				F2	Voltage SIR, 353.8
E0(30.2	1 ∧			31.19	$\overline{\Lambda}$					9.810e+0
%-				5.31 92907				5.28e5 765848	/					
0 ⁴ , , , , , , , , , , , , , , , , , , ,	28.75 29	.00 29.25	29.50	, , , , , , , , , , , , , , , , , , , 	0.00 30.2	5 30.50	30.75	31.00	31.25	31.50	31.75	32.00	32.25	32.50
20.50	20.75 29	.00 29.20	23.50	20.75 50	.00 50.2	5 50.50	50.75	51.00	51.25	51.50	51.75	52.00	52.25	52.50
E2														
0528R2_3	28.78			29.1	97								F2	Voltage SIR, 409.7
0	2010									31,53				3.022e+
-		29.09			30,23									
-					Å									
%-28.60 1 28.48		29.19	2 29.59	29.77			30.83	. 3	31,18 I 1∕β1,24 31.	31.48				
Kalla	A 28.93	1/1/1/1/	29.56	A AAA		30.38	*	31,1 ^	1/31,24 31	36 MII ³¹	.63 31.74	32.05	32.26 3	2.35 32.58
	- mil	シノンシ	$\sim \sim $	I VVW	$\sim \sim $	~ ~~~	1				~~~~	\sim	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
1.010														

Work Order 2001132

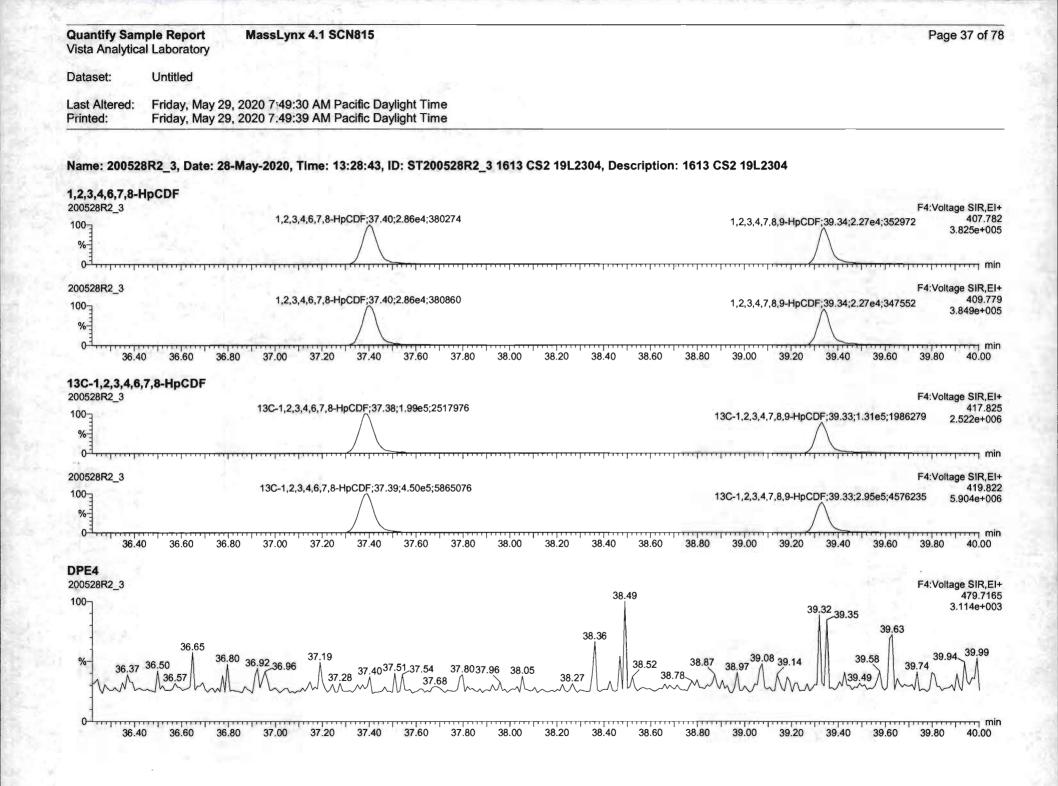


Work Order 2001132

	THE REPORT OF A DEPENDENCE	52 19 2304 1613 052 19 2304		
2.8.7 € *CO0 2.60 € 0.00 0.00 0.00 2.00 € 2.00 € 7.00 2.00 € 7.00 2.00 € 7.00 2.00 € 7.00 7	2 102 0.4400 102 102 0.559 107 107 0.0559 107 108 0.0559 107 104 0.0559 107 105 0.107 105 0.105 105 0.105 105 0.107 107 0.051 157 107 0.051 107 107 0.051 107 108 0.0475 10.5 108 0.0555 103			
4 12.37 ± S-HxCL9F 6.48e4 1.24 No. 0.5727 1.001 56.22 1.000 18 5 1.2.3.4 ± 7.5 HpCDF 3.72e4 1.00 %0 0.9724 1.001 57.40 1.001 17 1.001	3 30 0 0 0 10 1 30 0 0 10 1 10 4 14 3 0 0 10 1 10 1 1 10 0 0 10 10 1 10 1 10			1. A. A.
SBR2_3 1052 18L2004 0130052882_3 1613 052 18L2304	1216/18-HICLY 34 115-194/201841425	жл 	M6.62	F 1168age SIR 3738 8 893e-0
27942 1 1752 19 204 5120652892 3 1615 200 19 204	1.2.1.6.7.6.4480.DF 14 12.46383 37 763864	34.11	3562	73 жжиес 506, 3758 7 13]еля
12862_1 CS2 19(2104 5120652662_1 1613 CS2 19(2104 13C-12) 	36,7.8 H&ODF.34 11 337995 256784785 34 39	5475	35.61	1 3 komu je sviči 1993 6 6 06 je s
12892_3 CB2 Tal2504 0108852842_3 1813 CS2 Tal2304 18C-123	6.7.8.HHCDF.34.11,568546.541 M269765	NA 70	30.0j	ि अपूर्णसंबद्धः असि । क्षित्रं ह २.(८9७+0

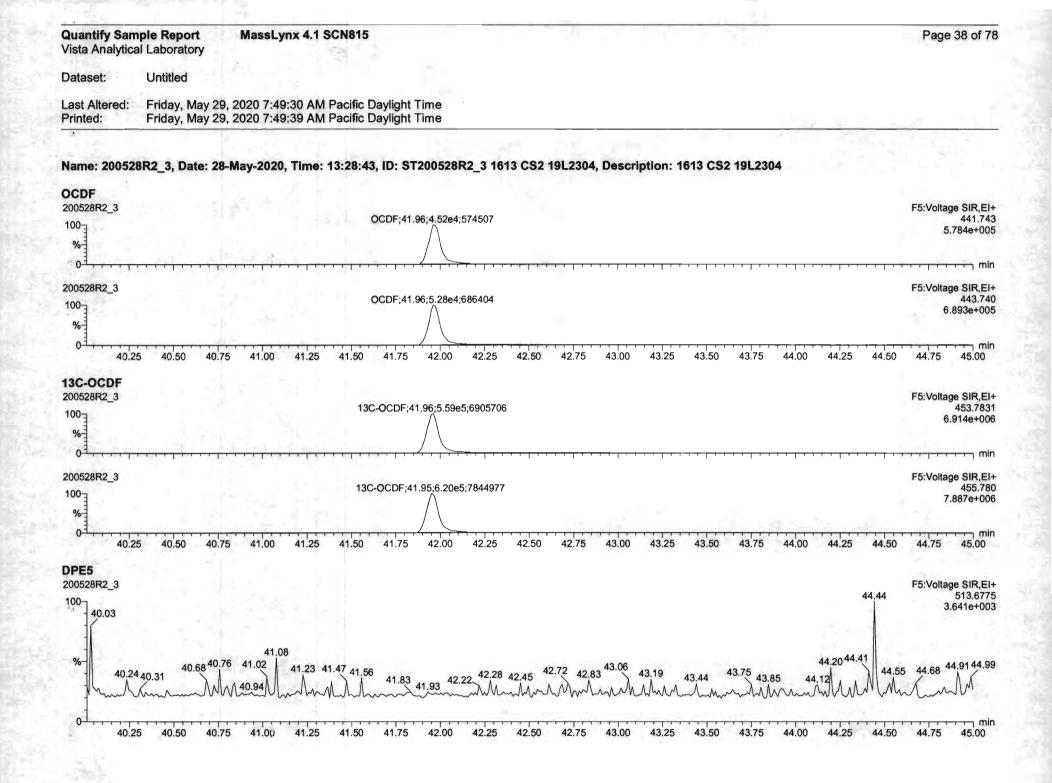
10

		「「一世」に考えるの例で			· 如此的自己的 · · · · · · · · · · · · · · · · · · ·	
Hance Roly FA op/ FAP webvet PR RC RC <thrc< th=""> RC <thrc< th=""> RC RC</thrc<></thrc<>	Conc. SHer. DI 5.95 10.1 0.0076 10.2 10.2 0.4400 10.2 10.2 0.0400 10.2 10.2 0.0400 10.2 10.2 0.0400 10.4 10.4 0.0400 10.4 10.4 0.0400 10.4 10.4 0.0400 10.4 10.4 0.0400 10.4 10.4 0.0400 10.4 10.4 0.0400 10.5 10.5 0.0000 10.5 0.0000 0.0000 10.5 0.0000 0.0000 10.5 0.0000 0.0000 10.5 0.0000 0.0000 10.5 0.0000 0.0000 10.5 0.0000 0.0000 10.5 0.0000 0.0000 10.5 0.0000 0.0000 10.5 0.0000 0.0000 10.5 0.0000 0.0000 10.5	10 2001 10 2001 10 2001 10 2001 10 2001 10 2001 10 2001 10 2001 10 2001 10 2001 10 2001				
21 2427224724400 2497 1412 2497 1412 2497 1412 2497 1417 1 57892_) 1 787 142 2104 57790924971_3 1812 C112 1412/214	and see the seed.	34.01 34.12	Ľ,	34.11	1.2 2.7 8 9 Hinton 38 82 36 10 99 56 30 29	FT kRaer SPR J Trig S toda P
10/142_3 7/85/190230431720052983_34613_3921902304		All MP2		M.	1,2,37,8,9+84CDF 35,52 298(7,5,2) 458(2)	F3 volges (ak) 35 g F 131e+0
S2010_1 1CS7 V9.2204 5120652682_1 9013 CS2 10L2014		33.M. 34.M	34.30	54.78	130-123,73944006 3581 242143,56 3631562	1911 : softwor CT 1919 1-1255 -
2002_1 0153 (8.2304 5125062892_1 1613 Cft2 v8.2304		³³⁹⁸	34.29	14.79	13C-12.5.7.8.5446CT# 36.64 88.6931.72 7174788	f 1 suffater tail. 185 i 1 teler t



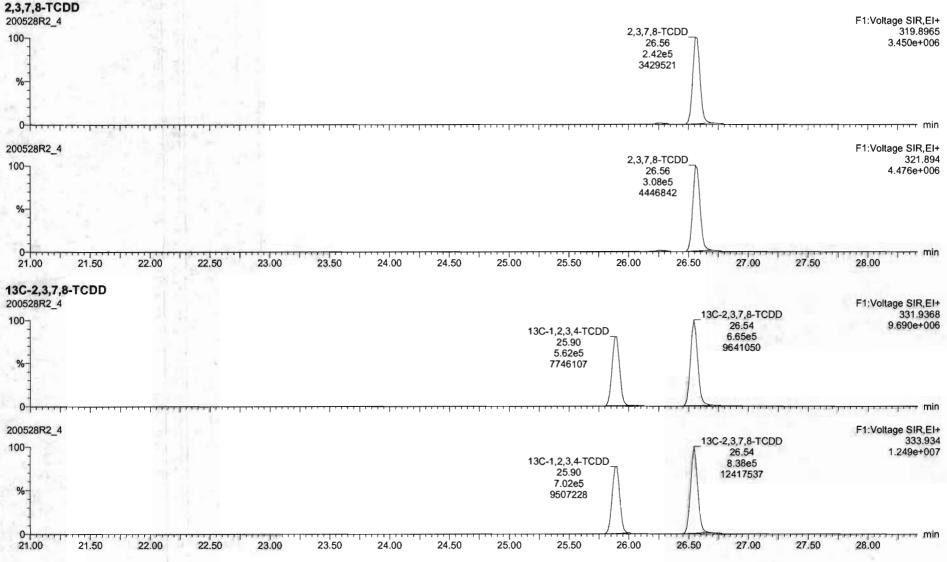
Hame Pete SA Dy Ref websit AT RP1	Cene Mare DL 1980			2.2.4419.8.34
2.5 x 6-0000 2.46ex 0.01 0.02 0.001 1.001 24.67 1.001 1.2 x 3.4 PecCO <.60ex 0.15 6.00 0.4651 1.001 24.67 1.001 1.2 x 3.4 G-MACOO <.60ex 0.15 4.00 0.4651 1.000 1.001 1.2 x 3.4 G-MACOO 94ex 1.24 NO 1.021 1.000 1.000 1.2 x 3.4 G-MACOO 94ex 1.24 NO 1.021 1.000 1.000 1.2 x 3.4 G-MACOO 0.01ex 1.4 NO M/021 1.000 1.000 1.000	2.06 161 0.0276 2.06 162 103 0.0406 193 102 102 0.0601 102 107 107 0.0601 102			
12.3.67.3.64CD0 6.114 1.2. 1.2. 0.0. 0.2.2. 0.0.2. 0.0.2. 0.0.2. 0.0.2.	10 10 100 1000 1000 10 10 100 100 100 10 10 10 100 100 100 10 10 10 100 100 10 10 10 10 100 100 10 10 10 10 10 00000 10 10 10 10 100 00000 10 10 10	· · · · · · · · · · · · · · · · · · ·		
2.5.4.4.7.8.46.027 0.364 1.26 0.0141 1.000 1.42 1.000 1.5.3.4.8.546.027 0.364 1.001 1.62 1.000 1.62 1.000 1.5.3.4.8.546.027 0.4664 1.24 100 1.620 1.62 1.000 1.2.3.4.7.8.566.027 0.2244 1.06 0.0124 1.000 1.42 1.001 1.2.3.4.7.8.9.6027 0.2244 1.064 0.0124 1.000 1.42 1.001 1.2.3.4.7.8.9.6027 0.2244 1.064 0.012 1.000 1.44 0.001 0.2.3.7.8.7027 0.4654 1.014 400 0.9051 1.000 1.024 1.02.3.7.8.7020 1.346 1.00 0.9051 1.000 1.024 1.001 1.02.1.2.7.5.8.7649 1.3469 0.79 4.00 1.9626 1.001 1.246 1.02.1.2.7.5.8.7649 0.7664 8.859 4.00 0.8581 1.041 1.246 1.02.1.2.5.5.7.649600 6.3665 1.26 1.061	100 100 100 100 101 100 100 100 100 101 100 100 100 100 101 100 100 100 100 101 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100			
642-3 51 (18/2504 - 179062/06) - 3 (6,1) - 12 (18/2344	37.40			T r 1004age (1994) 407-29 1 6:256-90
			* 2.1 4.7 & 9 Hpc (pr 36.74.22199 K+.362896	
582.2 301 18.2304 5124052682, 31617, 52 18.2404		No. of the Control of		i + sottage 194, E 400 7
	37.48		1.2.3.4.7.8.9.HpcpP.30.34.322947.66.3479.58	3 Augento
847_1 397 196 2004 5120913092_1 1413 252 19(2)14			10C-1.2.3.4.7.8,9-Hpc2# 36.45	4 VoRage SHLL 4 YER
	22.00		174254 10 1974510	3.5220-0
1922)3 20 1922/2011 1120012932 - 1910 - 112 (1922)31			130-123a789-HptCf	f a veltaga SH s
II NEZDALU GONNENC, LULU SECON	37 09		39 33 294656 28 4575236	4194 5.8040-0

Sel.



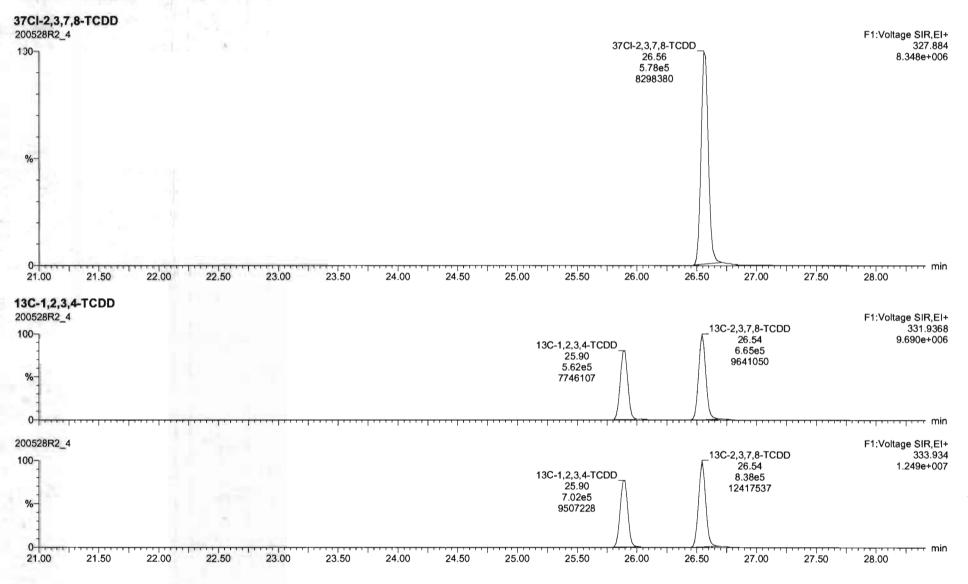
Quantify Sample Report MassLynx 4.1 SCN815 /ista Analytical Laboratory	Page 39 of 7
Dataset: Untitled	
ast Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
lame: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 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 21.99 22.13 \\ 100 21.10 21.41 21.90 21.99 21.99 22.13 \\ 22.89 23.15 23.73 24.15 24.28 24.57 24.93 25.24 25.66 26.00 26.15 26.66 26.00 26.15 $	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 35.9}	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 35.80 36.00 F4:Voltage SIR,E 30.30 5.40 35.60 5.40 35.60 5.40 35.60 35.80 36.00 F4:Voltage SIR,E 30.30 5.40 35.60 35.80 36.00 F4:Voltage SIR,E 30.972 430.972 5.40 5.40 5.40 5.40 5.40 5.40 5.40 5.40 5.60 5.8
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	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

Quantify Sam Vista Analytica		Page 40 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	R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 161	3 CS4 19L2306



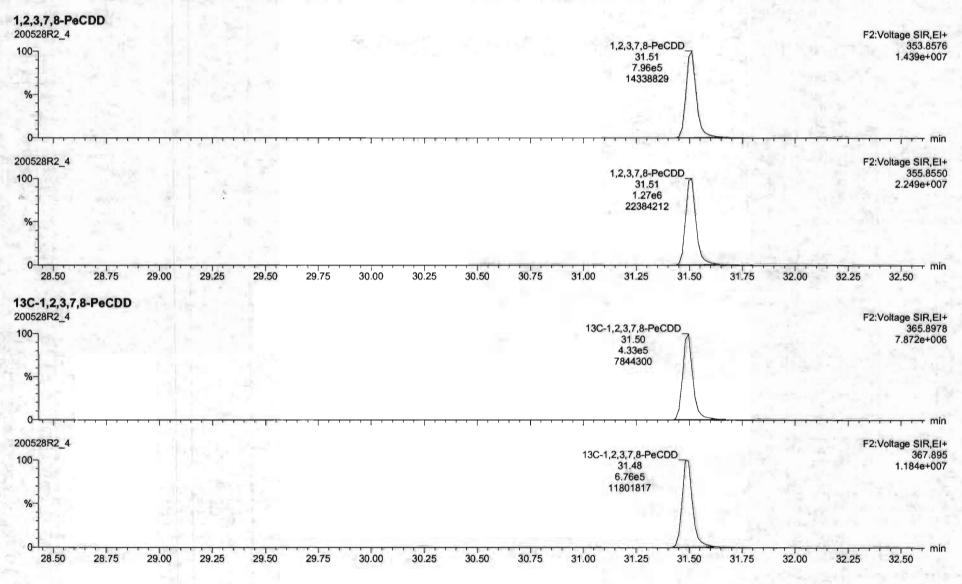
Quantify San Vista Analytica		Page 41 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

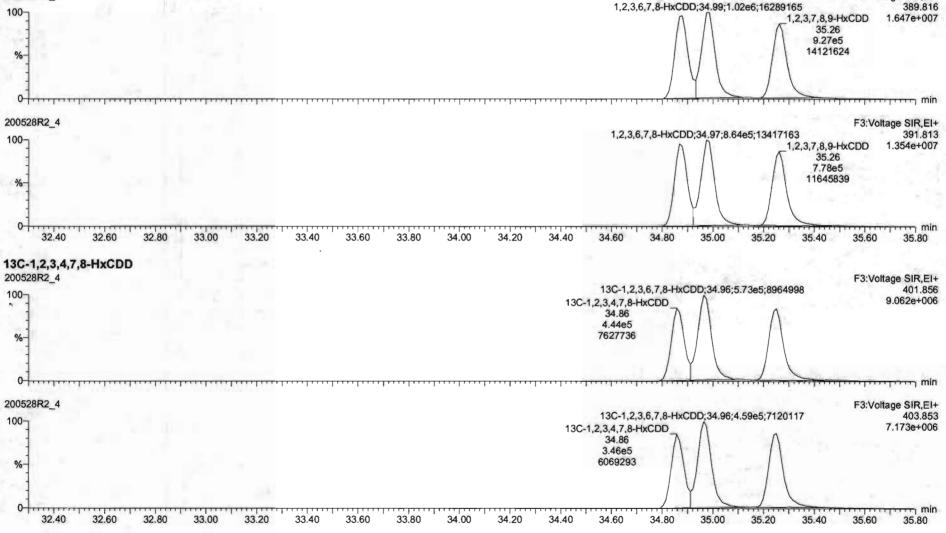


Quantify San Vista Analytica		Page 42 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306



	Page 43 of 78
d	
, May 29, 2020 7:49:30 AM Pacific Daylight Time , May 29, 2020 7:49:39 AM Pacific Daylight Time	
,	May 29, 2020 7:49:30 AM′Pacific Daylight Time



ame Ring RA my RRF webvor RT RRT Conc WRec OL FAIPC	4 STERS2882.448 CONTRESS 11130.11130.001.1912306	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		H. F. P. 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	
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

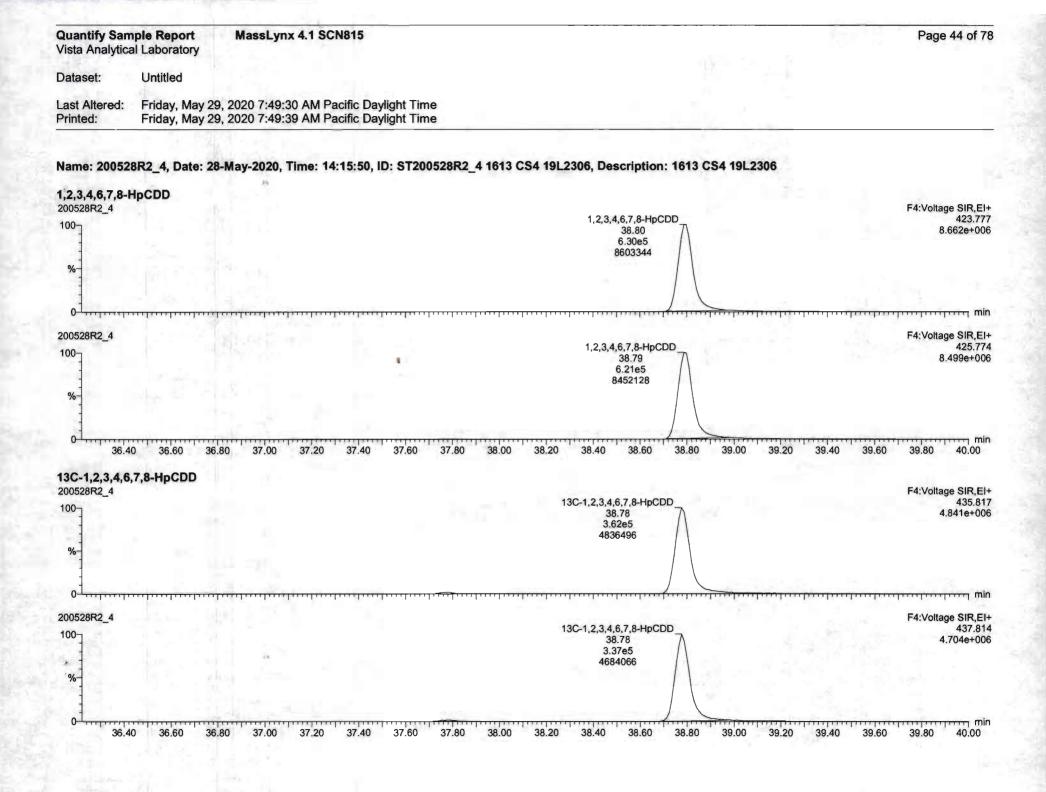
1.00

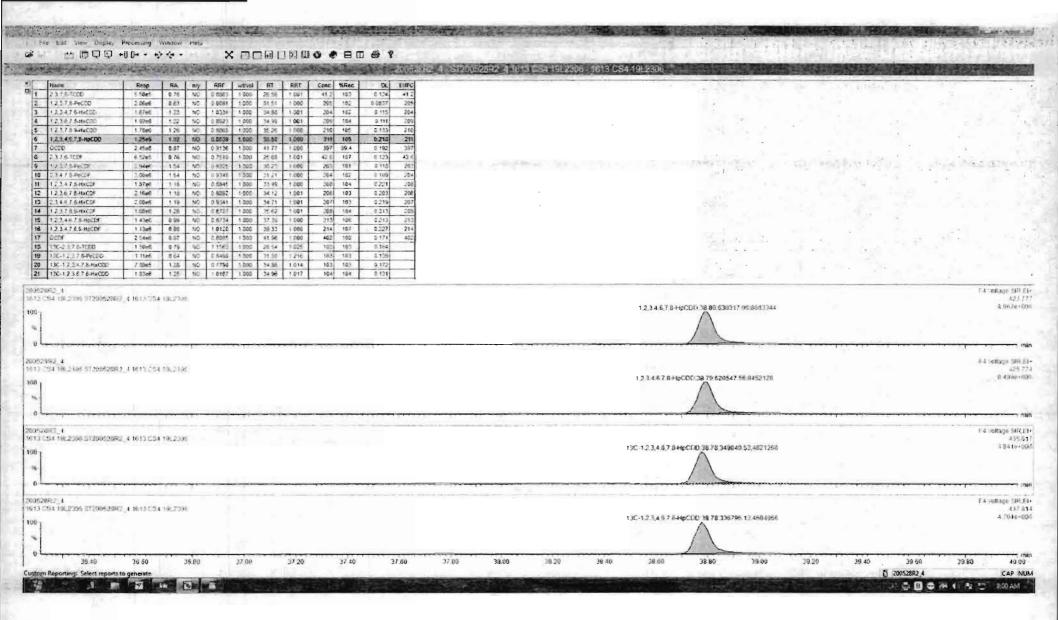
···································	
NAMES OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTIONO	TOTAL TRUE SAF AND A DEAL STATISTICS
Stimme Finder Finder<	
6 1.2.3.4.6.7.8.McDO 1.28-6f 1.0.1 100 28-65 1.000 211 108 9.213 211 7 OCCO 2.45-86 0.57 100 0.9156 1.000 211 108 9.213 211 8 2.45-8.7CDF 2.45-86 0.57 100 0.9156 1.000 217 1.000 307 69.4 0.102 337 8 2.45-8.7CDF 4.72 0.76 0.500 24.8 1.000 203 102 0.123 2.42 8 1.22.7-8.89-CDF	An
13 2.3 4.8.7.8 4.8/164 2.68e4 1.19 M0 0.9181 1.000 36.7.1 1.001 20.7 833 5.219 1007 14 1.2.7.8 5.48204 1.66e8 1.26 N0 0.9181 1.000 25.8.2 1.001 207 833 5.219 1007 16 1.2.6.6.7.5 446028 1.426 0.94 N0 1.0151 1.000 25.8.2 1.001 208 104 0.318 1.001 16 1.2.6.6.7.5 446028 1.4186 0.94 N0 1.0151 1.000 25.7 1.000 2.13 1.66 2.113 2.10 2.113 2.11 </td <td></td>	
20 136-12.147.8HNC00 7.5HHC00 7.5HHC 125 NG 0.77HG 1.000 34.5H 1.014 103 102 0.177 21 12C-12.14.7.6HHC00 1.03HH 125 NG 1.0HHZ 1.000 14.9H 1.017 104 104 0.131	
20022670_1 1017_054_10.2009.01250/927462_4.901/0584_08(2100 100	F 7 respect 106 E1- bit 8 to 12.2 6 7 a - MCDB3 34 92 1097136 88 16287155 3526 1 0 476+007
2009/03/62_4 10/15/05/4 (00/23/64 ST2004/25/62_4 16/15/05/4 19/2 For 10/0	F3 wetage 999 life 301 813 1 2 16 7 8 HHCDO 3+ 97 863722 19 13417462 36 26 1 1 H4-HDD ABD
2019/2019 1 013 CS4 10(2005 S12005 2006 2006 1 10(2006 100 6	F2 soltane Strikter 401 be 136-12:34 7 e H-CDD 34 96 57267654 8964998 36 25 5 bitserebet
190520412_8 1613 [564:58,2206;5120652842]_4.5613 [34,2206 190 14	10c.1215.73+9c00
UL 32.70 32.80 32.90 32.00 33.10 39.20 35.20 35.20 35.20 35.40 33.50 32.80 33.70 13.90 23.90 34.00 34.19 44.20 Custom Reporting: Select report in generate	9 34 30 34 49 34 56 34 60 , 34 7/2 34 80 64 90 21 7/9 25 10 36 20 35 20 35 20 25 50 25 50 36 70 35 68 29 NO 36 00 54 18 36 28 ↑ 20052872.4 CAP NUM © © © ★ 4 5 1 750 AM

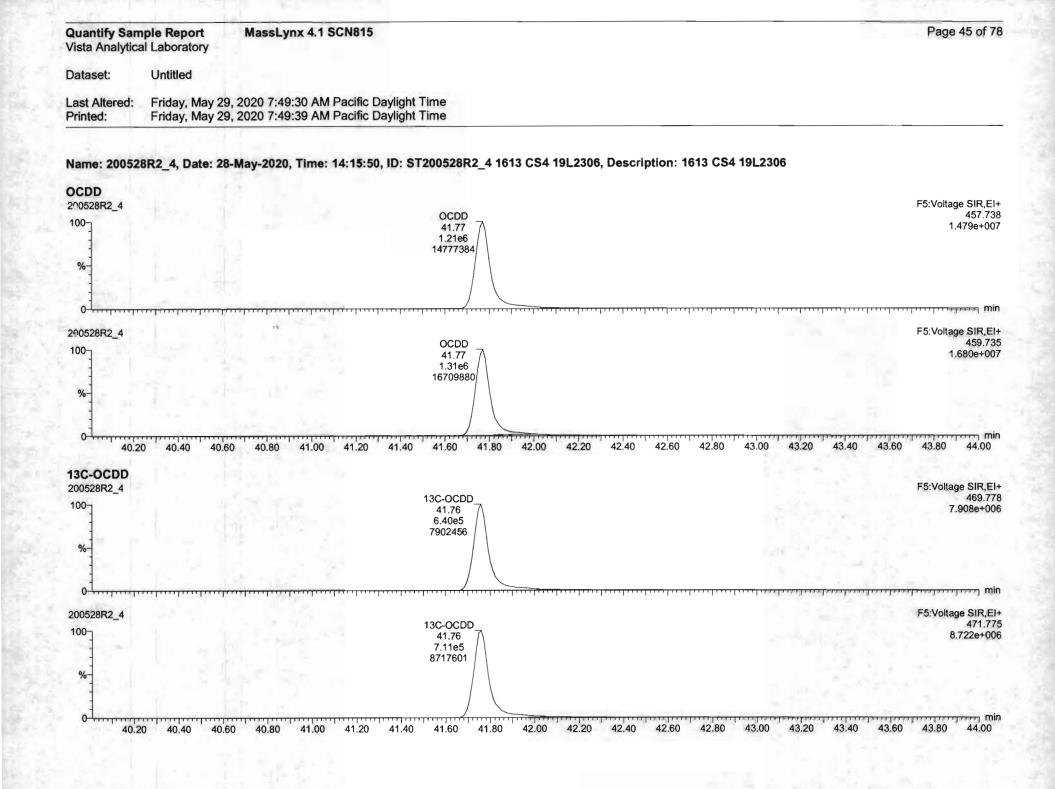
E.C.

File Edit View Display Processing Window Help 愛 世間又又 +110+・・・・・・ X ロロは日辺道のま	em s v	
	Los 1. 0 1. 1. 4. 51 (00075872 9 (016) 054 191 2000 - 1813 CS4 191 200	
2 1 2 2.7 3 PreCOD 2 Neek 0.63 NC 0.0081 1.000 31.01 4.000 205 3 1 2.3 4.7 5 Art.CDD 1 47 mL 1.21 ND 1 0.06 34.86 1.001 206 4 1 2.3 4.7 5 Art.CDD 1 92 mL 1.22 ND 1 0.06 34.86 1.001 206 5 1 2.3 7.6 9 Art.CDD 1 76 eA 1 20 ND 0 82027 1 0.00 26 H9 1.001 206 5 1 2.3 4.7 3 Arc.DD 1 76 eA 1 20 ND 0 8680 1.000 26 H9 1.001 206 6 1 2.3 4.7 3 Arc.DD 1 76 eA 1 0.01 7 0.000 26 H9 1.001 42 H 6 1.011 4.177 1.000 26 H9 1.001 42 H 6 1.021 4.177 1.000 26 H9 1.001 42 H 6	KRec DL EMPC 102 0.114 4.12 102 0.457 0.05 102 0.457 0.05 102 0.115 2.04 104 0.115 2.04	
2008/20052_4 10:10:054106/2006/2006/2006/20072_4.1011-054108/2000 100 94	34 38 34 39	F31068ap4 588.55- 383.815 12.3.7.8.9+6cD0.35.26.927172.43.14121624 1.5474-007
200523992_4 1013_234_108_2406_0356062893_4_1613_054_108_0546 100	34.87 34.97	F.) Hotage SR 61- 39161 123,789+HCDD 352677095094,11538139 13549+607
20052882_4 1611 CS4 19L2306 ST20952882_4 1613 CD4 19L2336 100 1	34 86 34,96	130-1.2.3.7.8.9-H4C0D 35.25 500584.78 7530231 3552+005 3552+005 3552+005
200528852_4 6673.054.19(,2206-51)209(28872_4.16(13.054.14(,2796 100 	34 86 34 96	F 1 vetage 5/2.5/4 40.3 05.3 13C-1.2.3.7,8.944xCDD 35.25:408526 91.6083027 7,1778+506
32 79 32 80 32 99 33 99 33 10 32 20 33 30 33 10 33 20 79 30 46 33 90 33 90 73 71 Custom Reporting: Select reports to generate	0 <u>79.80 33.90 34.00 34.10 34.20 34.30 34.40 34.50 34.60 34.70 34.60 34.90 10</u> .00	о 7610 3520 3530 7540 3550 3576 3580 3596 3590 3590 2410 3520 В 20052882.4 САРНИМ С В В Ф Ф С № 11 759АМ

50.0







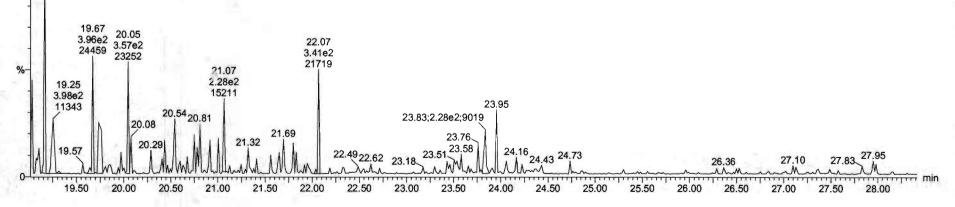
liaite	Resp RA my ARE WIVEL RT NRT CONC WARE OL SHIPC	2303 1013 054 19(2306
1 23.76.1000 2 1,23.75.Pecco	5 5665 9 26 NO 0.9860 1 800 20 56 1 001 41 2 100 0.134 41 2 2 0Ken 9 63 NO 0.9951 1.000 31 51 1 000 205 102 0.6837 205	
1 123478H-CU 1 123678-H-CU 1 23678-H-CU	1 67e6 1.22 NO 10234 100 14 80 100 264 102 0.118 204 1 02e6 1.52 NO 0.8923 1.000 24 99 1.001 209 104 0.11 209	
5 123789-HXC00	1 70e6 1 20 NO 6.8869 1.000 35.25 1 500 210 105 2.133 216	
6 1234575 RECDE 7 OCDO	125e6 102 10 0.8639 1000 × 50 100 111 105 1.13 211 245e6 0.87 100 0.9136 1.000 41.77 1.000 367 20.4 0.192 397	
6 2376.700	e f2ee 8 76 sc 0.7510 1.000 24.65 1.001 42.6 107 0.123 42.6	and the second of the second second second
9 1.2.3.7 s.Pectr	2 // 2 // 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2	
10 2.3,478-FecD# 11 1.2.2,478-FecD#	1 00el 154 100 0.934/ 1.000 21.21 1.100 204 102 0.100 204 1.87ee 1.16 NO 0.8545 1.000 13.10 1.000 208 104 0.221 208	
12 12367840CDF	2 tilef 1 10 NO 0 8292 4 000 34 12 1 001 200 143 0.205 200	
13 0:34676-0009 14 1:23785-0x005	2 00+6 1 19 NO 0 9341 1 000 34 71 1 001 207 183 0 219 207 1 60+6 1,6 NO 0 8707 1 000 16 62 1 101 208 184 0 313 208	
14 123253-14CDF	1 40e6 1,20 NO 0.8737 1,000 16.62 1,001 208 104 0,513 208 1 43e6 0,59 NO 0.8734 1,000 37.55 1,000 213 106 0,213 213	
18 1.2.3.4.7.8.5.HOLDE	1 13w5 0.80 NO 1.0126 1.000 30.33 1.000 214 107 0.227 214	
7 OCHF 8 130-2.3 7.6-3000	- 2 54e6 0.87 NG 0,8965 1 000 41.96 1 000 402 100 0.171 402 1 158e6 0.79 NG 1.1583 1.000 21.54 1.025 103 103 0.354	
19 130-12-37 8-PecCO	1 19e6 0 75 NO 1 1580 1.000 26 4 1.025 103 101 0.154	Definition of the second se
130-12,3473-mxC00	/ Nee5 1.28 NO 0.7790 1000 54.96 1.014 103 103 0.172	
Н 120-123676-ниСОО	1 03e8 1 25 NO 1,0187 1,000 34 96 1 017 104 104 0 131	
528R2_4 2.054.19L2006.1120/528	x1 4 16 13 C 54 181 2308	PS volage
	OCDD;4177;1143653.00;14695421	147
1		
10 ×		
·		
62992 4		FE (estape
D CS4 10, 2306 ST 200520		
4	OCDD 41 77,1310359 50,18709860	150
and the second		
Actual State of the	ويري ويتبعن والمنافع المنافية المنافع والمتعالية والمنتخب والمنافع منتما المركلية والمكافية المركبة والمنافية	
524142_4	05 # NEX1-104 VM 9108	K5 veitage
I PARA THE OWNER, BUT BOARD INC.	13C OCDD 41.76.639749 38 7902456	7.90
	Δ.	
13 04		
13 24	\mathcal{A}	and as a state of the second
5205.2 4	AC 4 1613 C54 1912209	year a construction of the second
13 (04 19,2306 51206/39 	RE 4 1613 C54 19L2206 13C-DC0D(41.76.711366.98.8717601	/ 5. veitage 9. 73
5206.2.4 3.054 191.2:06 51206-520		

-

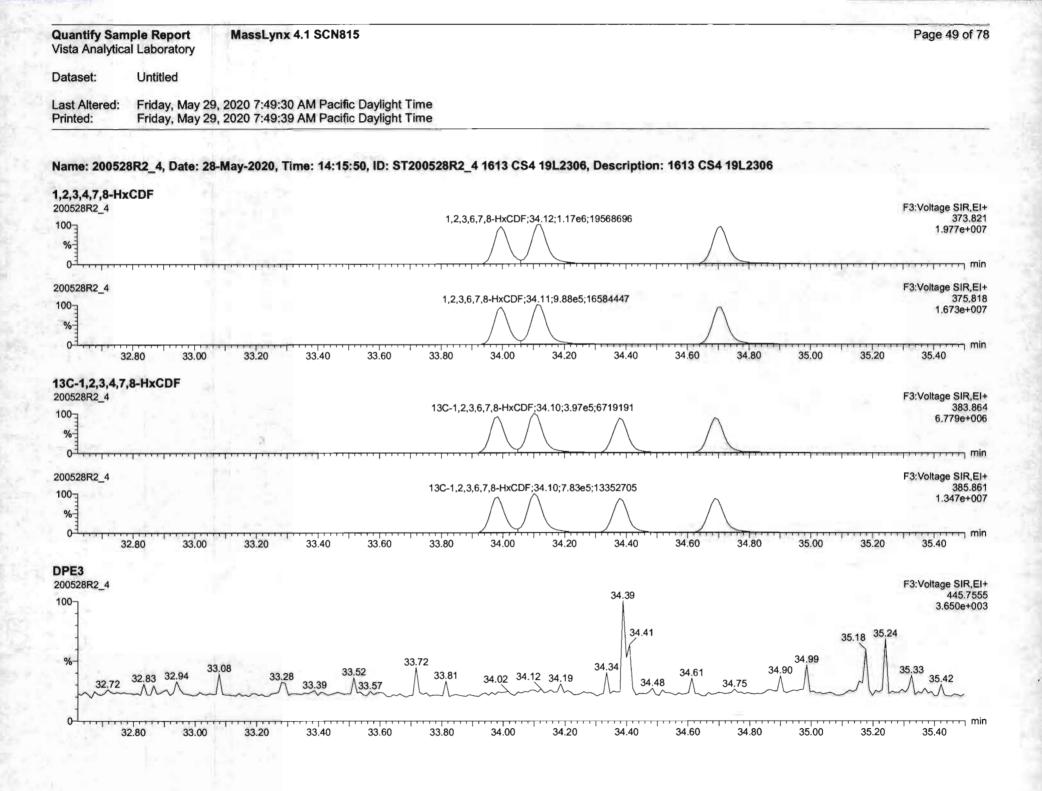
10

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					.11		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			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 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 00 00 00 00 00 00 00 00 0	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 20.2	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 19.5 00528R2_4 00 19.5 00528R2_4 00 19.5 00528R2_4 00 19.5 00 22499	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

	mple Report MassLynx 4.1 SCN815 cal Laboratory	Page 47 of 78
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	
st Func. Pe	28R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306	
00528R2_4	20.89 19.76	F1:Voltage SIR,EI+ 339.860 2.428e+004
19.28	8 20.95 21.33 22.55	
%		27.85 ^{27.98}
00528R2_4	19.63 19.97 20.42 121.77 21.99 21.95 22.61 23.57 24.0724.34 24.57 24.85 25.60 25.71 26.48 26.99 27.46 23.2223.28 100 100 100 100 100 100 100 100 100 10	F1:Voltage SIR,EI+
00528R2_4	$\begin{array}{c} 19.63 \\ 19.97 \\ 20.42 \\ 19.76 \\ \end{array} \\ \begin{array}{c} 21.77 \\ 20.42 \\ 22.19 \\ 22.19 \\ 22.19 \\ 22.61 \\ 23.22^{23.28} \\ 23.22^{23.28} \\ 24.07^{24.34} \\ 24.57^{24.85} \\ 25.60 \\ 25.71 \\ 26.48 \\ 26.99 \\ 27.46 \\ 26.99 \\ 27.46 \\ 21.56^{21.69} \\ \end{array} \\ \begin{array}{c} 20.92 \\ 21.20 \\ 21.56^{21.69} \\ 21.56^{21.69} \\ \end{array} \\ \end{array}$	min
00528R2_4	$\begin{array}{c} 19.63 \\ 19.97 \\ 20.42 \\ 19.76 \\ 9.57 \\ 19.97 \\ 20.53 \\ 20.92 \\ 21.20 \\ 21.95 \\ 22.19 \\ 21.95 \\ 22.19 \\ 22.61 \\ 23.22^{23.28} \\ 23.22^{23.28} \\ 23.22^{23.28} \\ 23.22^{23.28} \\ 23.22^{23.28} \\ 24.07^{24.34} \\ 24.57 \\ 24.85 \\ 25.60 \\ 25.71 \\ 26.48 \\ 26.99 \\ 27.46 \\ 26.48 \\ 26.99 \\ 27.46 \\ 26.99 \\ 27.46 \\ 26.99 \\ 27.46 \\ 22.07 \\ 22.53 \\ 22.07 \\ 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 \\ 27.23 \\ 27.23 \\ 27.23 \\ 22.07 \\ 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 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 22.07 \\ 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 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 20.95 \\ 22.07 \\ 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 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 20.95 \\ 22.07 \\ 22.61 \\ 22.07 \\ 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 \\ $	F1:Voltage SIR,EI+ 341.857 2.296e+004 27.98 27.83 28.15
00528R2_4	$\begin{array}{c} 19.63 \\ 19.97 \\ 20.42 \\ 19.76 \\ 9.57 \\ 19.97 \\ 20.53 \\ 19.97 \\ 20.53 \\ 20.92 \\ 21.20 \\ 21.95 \\ 22.07 \\ 22.62 \\ 23.26 \\ 23.22 \\ 23.28 \\ 23.57 \\ 24.07 \\ 24.57 \\ 24.85 \\ 25.60 \\ 25.71 \\ 26.85 \\ 25.60 \\ 25.71 \\ 26.48 \\ 26.99 \\ 27.46 \\ 24.85 \\ 25.14 \\ 25.71 \\ 26.09 \\ 26.41 \\ 26.72 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 22.62 \\ 23.36 \\ 23.76 \\ 23.95 \\ 24.16 \\ 24.85 \\ 25.14 \\ 25.71 \\ 26.09 \\ 26.41 \\ 26.72 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 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 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 27.23 \\ 21.95 \\ 22.67 \\ 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 \\ $	27.98 27.98 27.83 28.15 2.296e+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 0 28.61 100 100 100 100 100 100 100 1		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 28.50 DPE2 28.61 100 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+

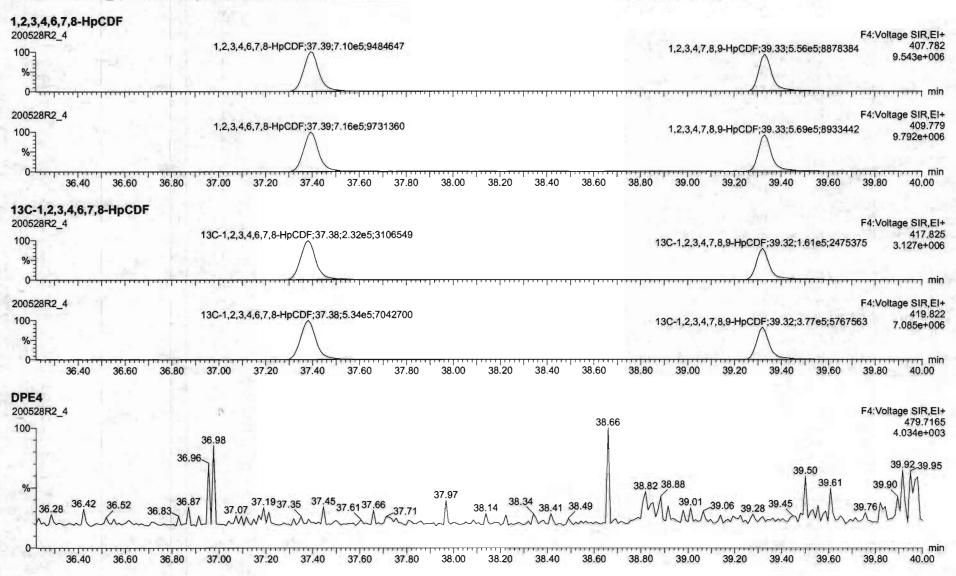


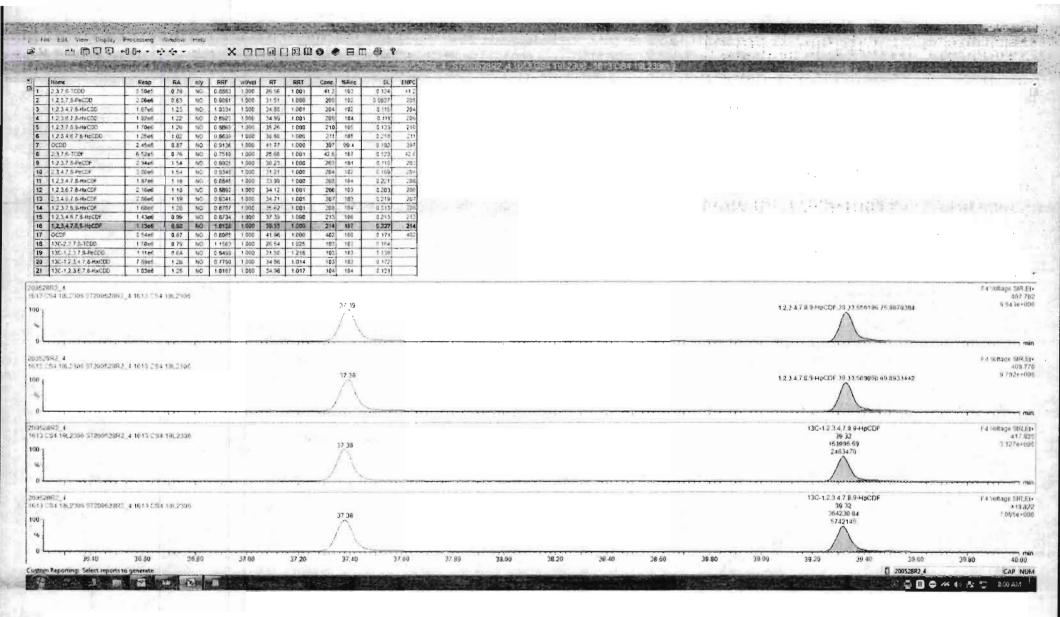
Home Resp. RA ney RRV webvol RV RRV Conc. Millier 2.3.75_1CDD 5.56x5 0.76 1/02 0.28X2 1.000 297.95 1.000 47.2 102	DE FRIPC 0.124 -11 -	GS4 1962306 / 1613 GS4 1962306		副約4月1日的 目的
1.2.3.7.3.4%cD0 2.06e6 0.6.3 NO 0.9081 1.000 31.5 1.000 2.051 102 1.2.3.4.7.3.4%cD0 1.67e6 1.22 NO 1.022 1.000 2.36.7 2.46.7 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 5130052882_3 1613 0.54 19L2336	11.№ 08 EE	3471	1,2,3,7,8,9+teCDF 35,52 727579.06 10700517	93 mitage 5 37 1 6734
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	73 yoltage 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

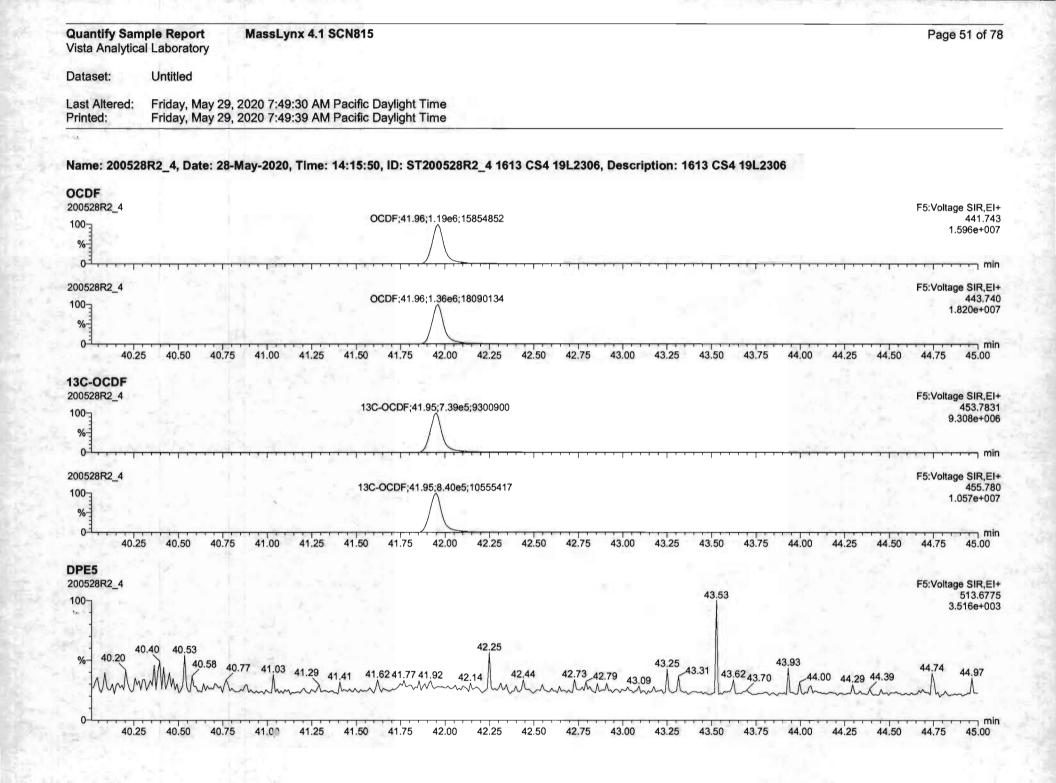
1

Quantify Sam Vista Analytica						Page 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					
T TIMEG.	Thuay, way 29, 2020 1.49.09 Aw Facilie Dayight Thire	 		1	-	

Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306







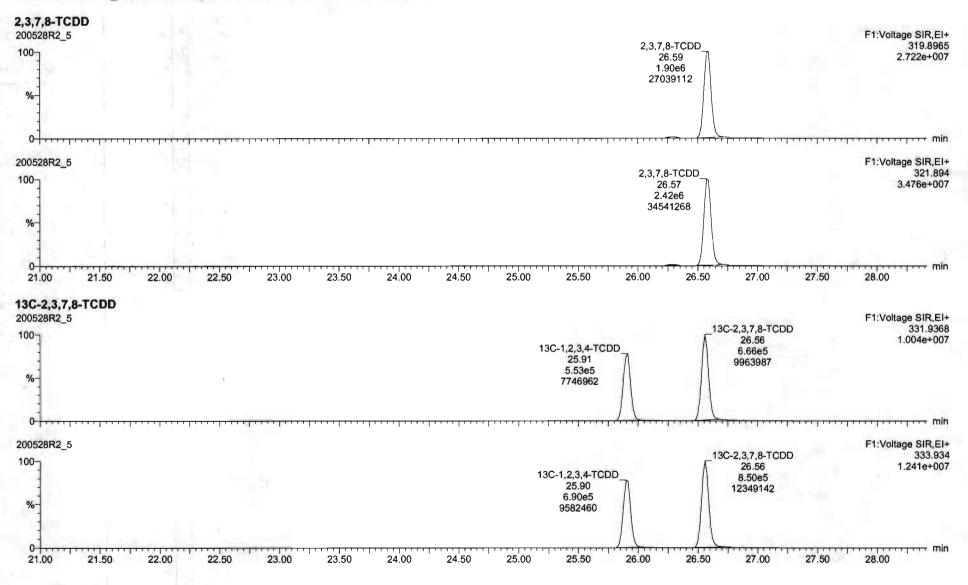
· File Edu Yeaw Daple, Proceeding Window Help 二 四回見 +80→・・・・ X回回目目目の● E	and the second			and the second of the second o
Nume Resp RA ny FRI weivel RT RRT Cenc MR 1 2.3.7.6 1.2.3.7.6 5.56.5 0.76 No 0.560.5 1.50 241.96 1.601 4.12.15 1.500 241.96 1.601 4.12.15 1.500 205.6 1.500 241.96 1.601 4.12.15 1.500 205.6 1.601 205.1 1.000 24.96 1.001 205.1 1.000 24.96 1.001 205.1 1.001	00 0 124 44.2 02 0 0657 206 02 0 115 206 14 0 111 209 16 0 113 210 16 0 113 210 16 0 113 210 17 0 123 42.6 19 6 113 42.6 17 0 123 42.6 16 113 203 10 17 0 123 204 12 0 221 204			
12 1.2.5.4.7.2-MCCP 2.16-6 1.16 NO 0.4652 1.001 2.412 1.001 2.061 11 13 2.14.6.7.5-MCCDF 2.06-6 1.16 MO 0.4321 1.001 2.001 101 100 17.5 1000 2.11 115 1.2.2.5 100 2.11 11 100 2.12 100 2.11 100 2.11 100 2.11 100 2.11 100 2.11 100 2.11 100 2.11 100 2.11 <td>15 0.210 207 14 0.515 206 00 0.270 211 07 0.227 214 06 6.171 402 07 0.101 402 07 0.101 402 07 0.101 402</td> <td>たいがたため</td> <td></td> <td></td>	15 0.210 207 14 0.515 206 00 0.270 211 07 0.227 214 06 6.171 402 07 0.101 402 07 0.101 402 07 0.101 402	たいがたため		
20052982, 4 1613 1784 78(2006 5720052687, 4 1613 0.54 19L2206 160 4	OCDF 41 96 1105048 63 15854852			P5-108Aada SMR,B31 643,7,45 1,596a e607
0 2025/082_4 2017_011410106_0120622892_4_1615_054_19(2104 100 4	000F 41 94 1355018 50 18090134			F5 Voltage 198 54 55 7.40 18234-607
0 20070887_4 20070887_4 1913 CS4 19L2309 5120052882_4 1613 CS4 19L2306 100 %	13C OCDF #1 95 753298 63 9303995			F5 sonage Sint EP 453 /951 0.309e+005
0 20052657_4 16131254 1912106 9120052982_4 1613 034 1912336 180 14	13C-OCDF.41 95/85603 12 10558601			Fit venuge ser 57 455 780 10576-007
0 40.20 40.40 40.60 40.80 41.00 41.20 41.40 . Custom Reporting: Select reports to generate	4150 4180 a280 4220 43	48 42.69 42.90 43.00 43.28	the second se	20 34 50 44 80 45 00 052872 4 CAP NUM

Same and the second

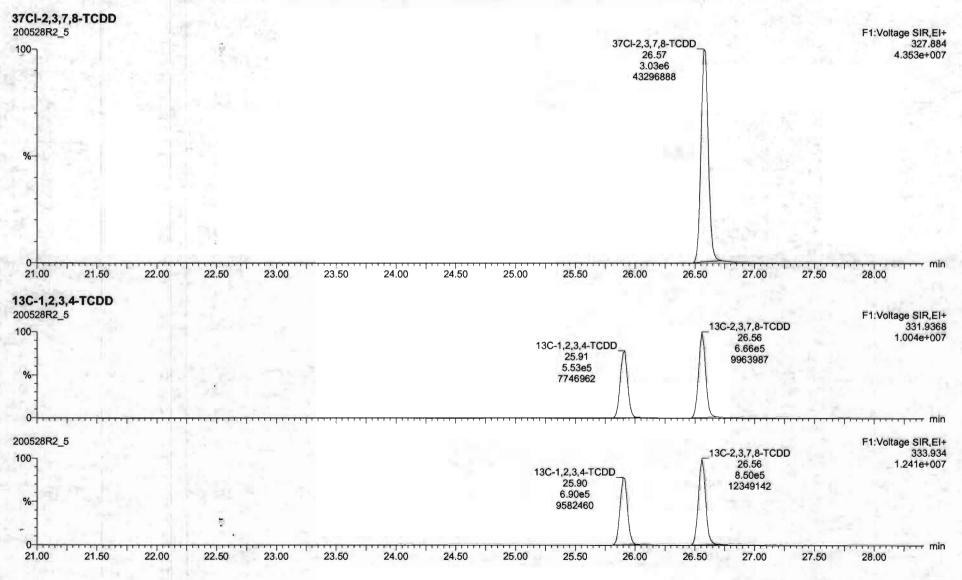
Contraction of the second		and the second se						State 1 1
Quantify Sam /ista Analytica		MassLynx 4.1 SC	CN815				1.1	Page 52 of
ataset:	Untitled							
ast Altered: rinted:		9, 2020 7:49:30 AM P 9, 2020 7:49:39 AM P						
ame: 200528	8R2_4, Date: 20	8-May-2020, Time: 1	4:15:50, ID: ST20052	8R2_4 1613 CS4	19L2306, Descripti	ion: 1613 CS4 19L23	06	
F K1 00528R2_4	19.91 20.05	20.62 21.17 21.89	;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 7.67 316.98
%]	20.05	20.62 21.17 21.00	22.79	Land 23.15	- manund	man	- the man the	4.5626+0
0	50 20.00 20	0.50 21.00 21.50	22.00 22.50 2	23.00 23.50 2	24.00 24.50 25.	00 25.50 26.00	26.50 27,00 27.50) 28.00
F K2 0528R2_4	28.83 1.07e5 418636	29.12 29.31 29.48	29,77 29.92 30.11	^{30.21} 30.43	30.89	31.19 31.47 31.56	31.80 32.05	F2:Voltage SIR, 366.97
28.44	418636				~~~~~			
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
-кз								
0528R2_4	33.12;1.39e	6;3138283 33.52;5.20e5;2	33.69 34.09;4	4.20e5;2208521 3	4.36;9.35e4;1049548	34.81 35.03	35.49 35.6	F3:Voltage SIR, 380.93 1.001e+(
01,								ا لىتىنلىتىنىلىتىر
32.8	80 33.00	33.20 33.40 3	33.60 33.80 34.0	00 34.20 3	4.40 34.60 3	4.80 35.00 35.2	20 35.40 35.60	35.80 36.0
K4 0528R2_4	36.7	5 37.19	37.45.37.48	38.08	38.29 38.49	38.67 <u>39.02</u> ³	9.10 39.27 39.53	F4:Voltage SIR, 39.80 430.9 0.604e+
%								0.0040
0 ⁻¹		.80 37.00 37.20	37.40 37.60 37	7.80 38.00 38	3.20 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. 4.76e5 4.76 1223450 1223	Se5 41 02 2.40e4 2.9	1.43 41.89 98e4 3.22e4 0872 41.67	42.66;5.14e4;6350	31 42.96;1.93e5;129099	43.73 3.41e4 248182	44.00 44.07;1.94e4;21796;	F5:Voltage SIR, 454.9 2 3.979e+0
%-40.01								
40.25	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 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	

Name: 200528R2_5, Date: 28-May-2020, Time: 15:02:56, ID: ST200528R2_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

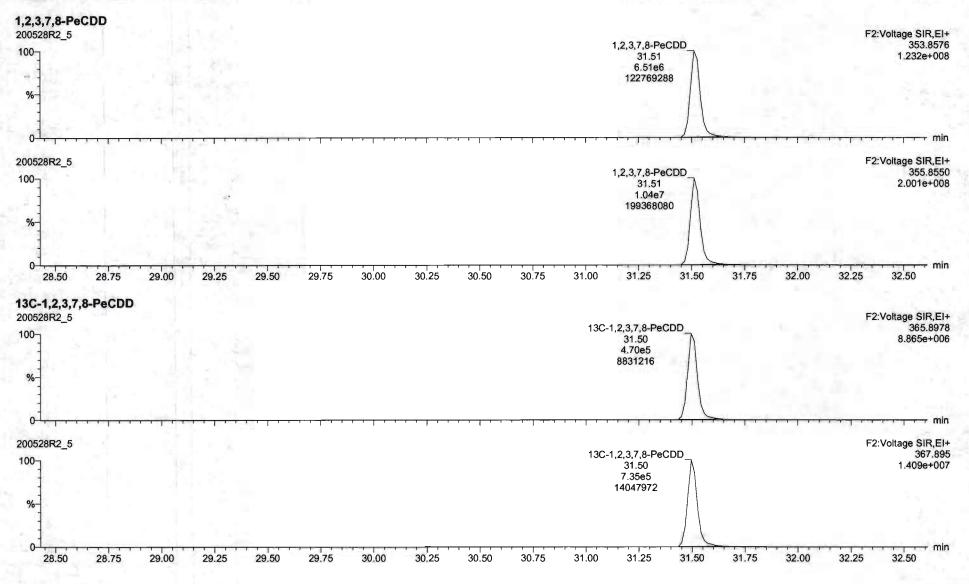


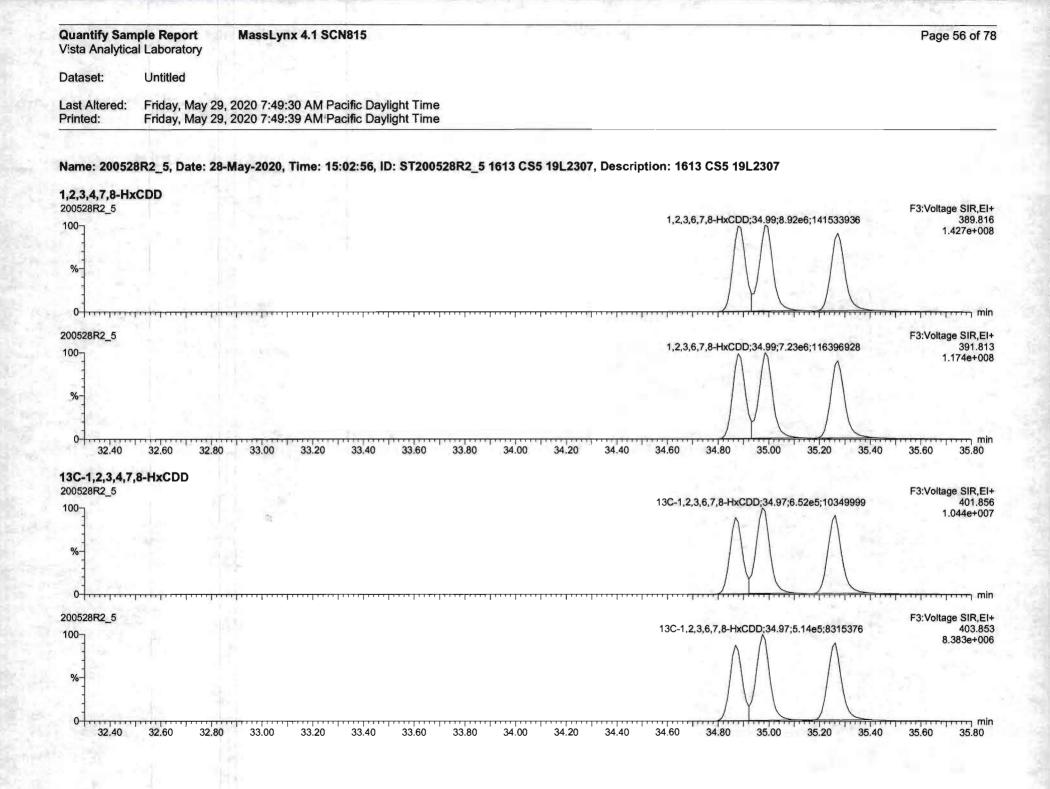
Report MassLynx 4.1 SCN815 boratory	Page 54 of 78
titled	a second and the second second
day, May 29, 2020 7:49:30 AM Pacific Daylight Time day, May 29, 2020 7:49:39 AM Pacific Daylight Time	
	boratory titled day, May 29, 2020 7:49:30 AM Pacific Daylight Time



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	

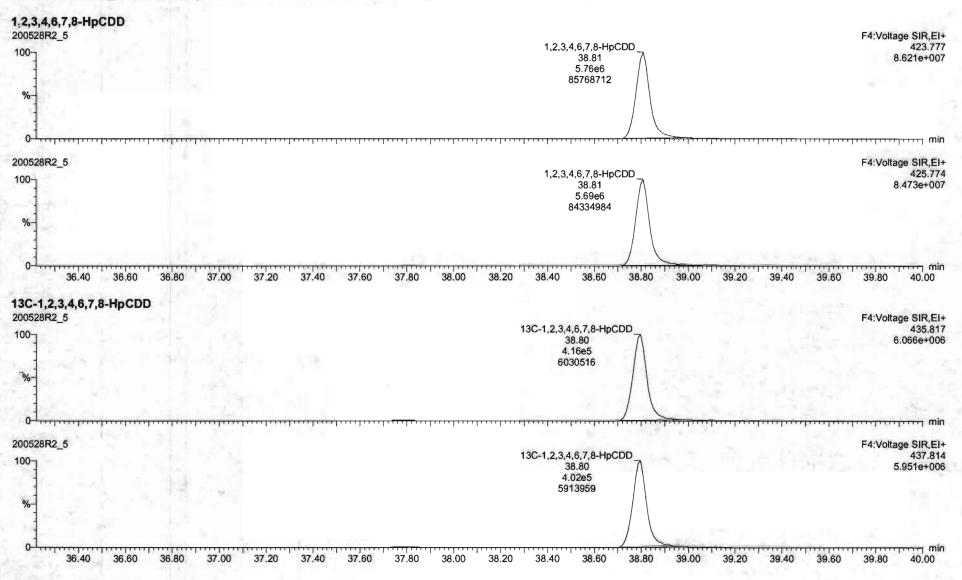
Name: 200528R2_5, Date: 28-May-2020, Time: 15:02:56, ID: ST200528R2_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

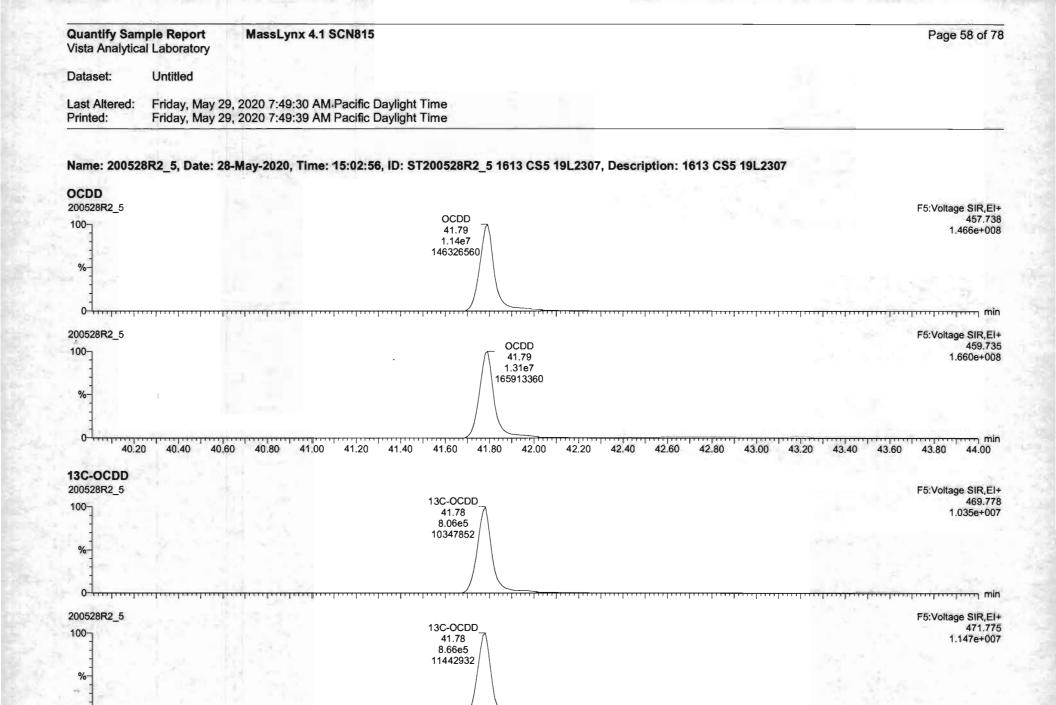




Quantify San Vista Analytica		Page 57 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_5, Date: 28-May-2020, Time: 15:02:56, ID: ST200528R2_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307





41.80

42.00

42.20

42.40

42.60

42.80

43.00

43.20

43.40

43.60

41.60

40.20

40.40

40.60

40.80

41.00

41.20

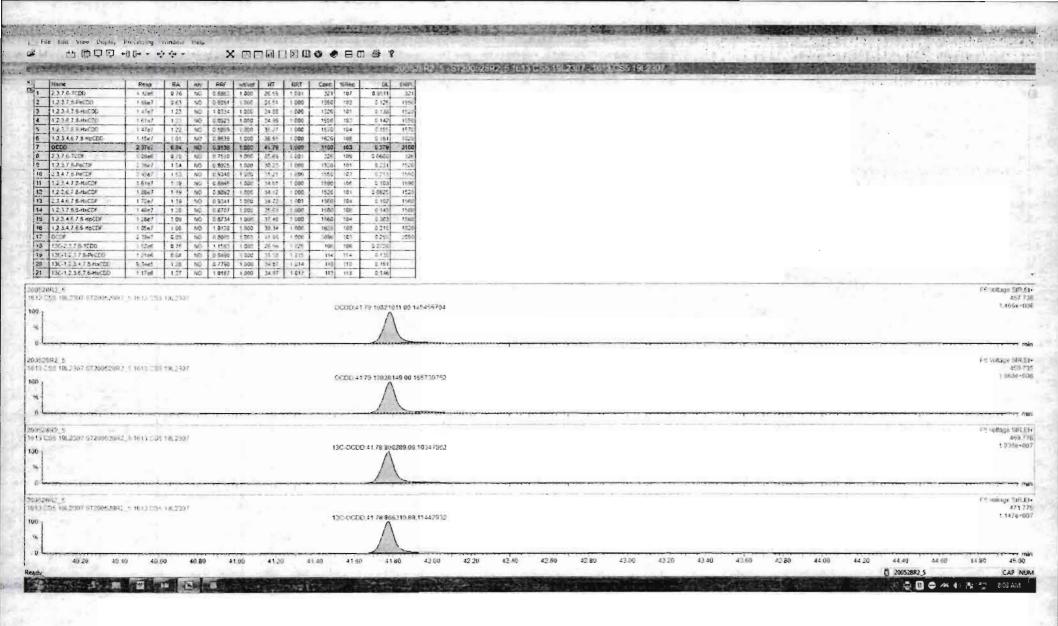
41.40

0 100

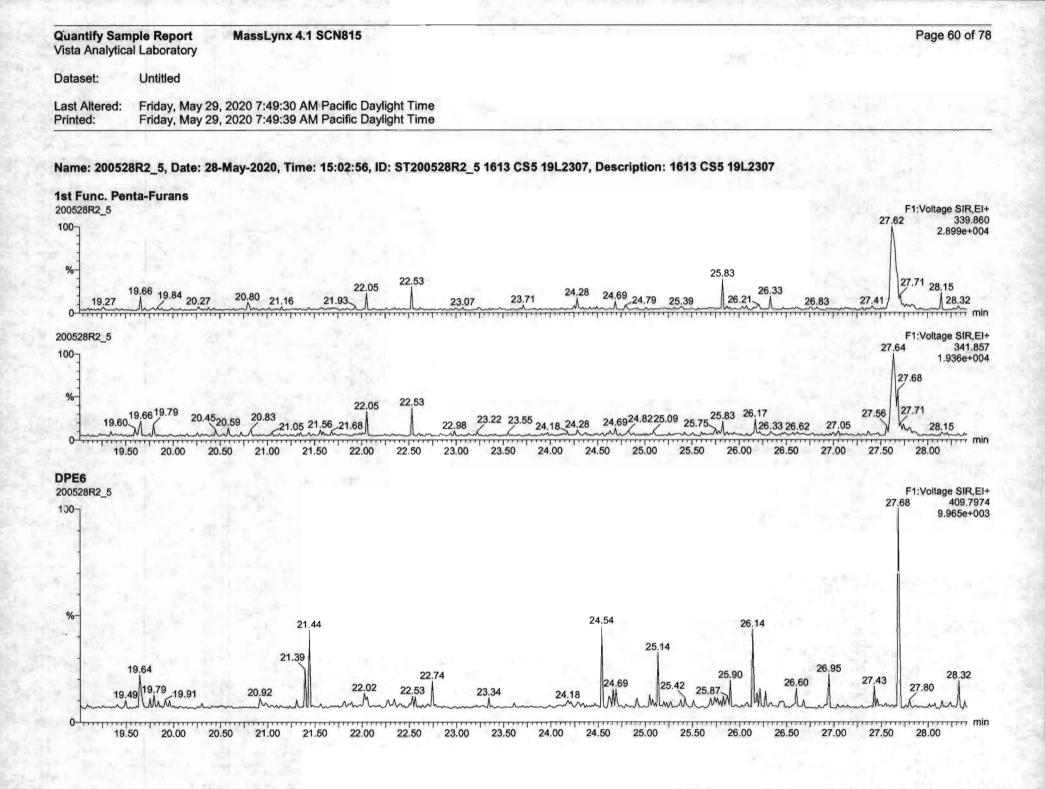
43.80

m min

44.00



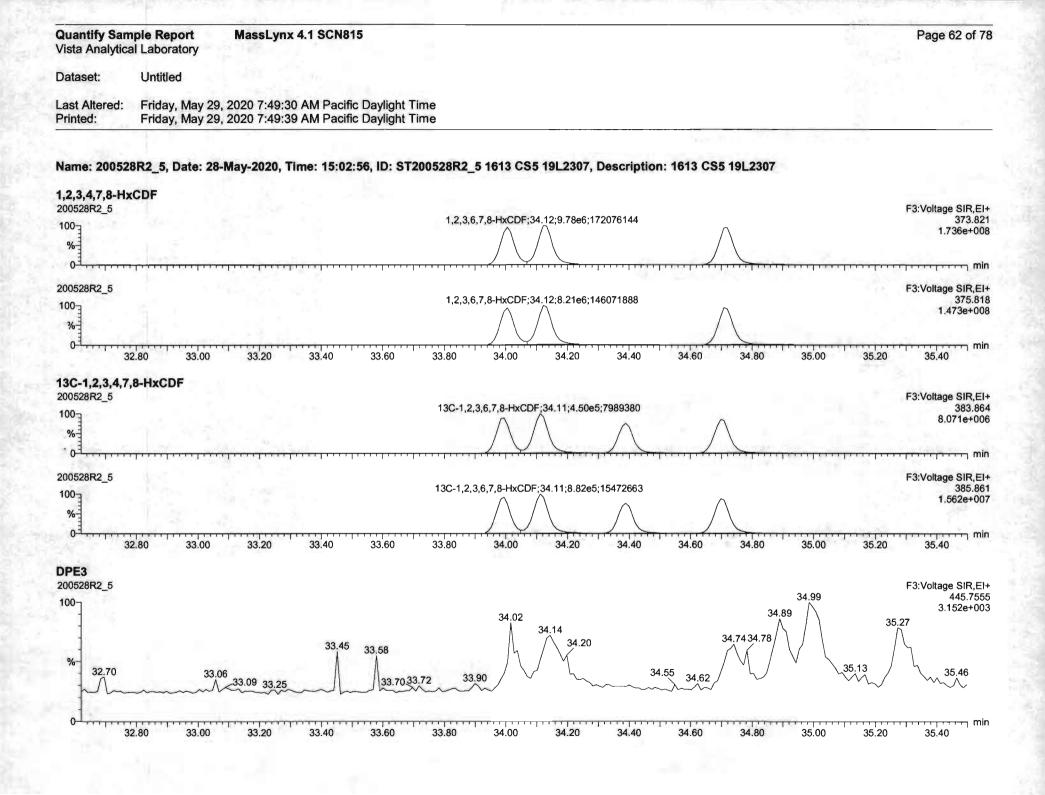
26.69 23737084 23.566 23737084 23.566 26.00 25.50 26.00 27.50 27.50 26.00 27.50 27	sta Analytica	ple Report	Ma	assLynx	k 4.1 SCI	N815												Page 59 of
Inited: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time ame: 200528R2_5, Date: 28-May-2020, Time: 15:02:56, ID: ST200528R2_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307 F1:Volage 5 37,3-TCDF 2:37,8-TCDF F1:Volage 5 06228R2_5 2:37,8-TCDF 2:37,8-TCDF 06228R2_5 2:300 2:300 2:300 06228R2_5 2:300 2:300 2:300 2:500 2:000 2:500 2:000 2:500	ataset:	Untitled																
3,7,8-TCDF 52,569 2,3,7,8-TCDF 2,3,7,8-TCDF 2,3,7,8-TCDF 0628R2_5 2,3,7,8-TCDF 2,3,7,8-TCDF 5,569 3,991 0628R2_5 2,3,7,8-TCDF 2,3,7,8-TCDF 5,569 3,991 0628R2_5 2,3,7,8-TCDF 2,3,7,8-TCDF 5,569 3,991 0628R2_5 20,00 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 27,50 28,000 CC_2,3,7,8-TCDF 5,58 3,991 3,																		
3,7,8-TCDF 2.3,7,8-TCDF 2.3,7,8-TCDF 2.3,7,8-TCDF 2.3,7,8-TCDF 00258R2_5 2.3,7,8-TCDF 2.3,7,8-TCDF F1:Voltage S 00258R2_5 2.3,7,8-TCDF 2.3,7,8-TCDF F1:Voltage S 00528R2_5 2.3,7,8-TCDF 5.569 3.991 00528R2_5 2.3,7,8-TCDF F1:Voltage S 3.991 00528R2_5 2.3,00 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 26.00 26.50 27.00 27.50 28.000 Scc.2,3,7,8-TCDF 13C-1,2,3,4-TCDF;24.24;8.17e5;9720106 13C-2,3,7,8-TCDF F1:Voltage S 3.991 00528R2_5 13C-1,2,3,4-TCDF;24.24;1.03e6;12371959 13C-2,3,7,8-TCDF F1:Voltage S 1.551 1950 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.60 26.50 27.00 27.50 28.00 1950 20.00 20.50 21.00 21.50 22.00 23.50 24.00 24.50 25.50 26.60 26.50		1																
00028R2_5 2.3.7.8-TCDF 2.3.7.8-TCDF 2.3.7.8-TCDF 2.3.7.8-TCDF 00028R2_5 2.3.7.8-TCDF 2.3.7.8-TCDF 2.3.7.8-TCDF 9.3.991 00028R2_5 2.5.90 20.00 20.50 21.00 21.50 20.00 20.50 21.00 21.50 20.00 20.50 21.00 21.50 20.00 20.50 21.00 21.50 20.00 20.50 21.00 21.50 20.00 20.50 21.50 20.00 20.50 21.50 20.00 20.50 21.50 20.00 20.50 21.50 20.00 20.50 21.50 20.00 20.50 21.50 20.00 20.50 21.50 20.00 20.50 21.50 20.00 20.50 21.50 20.00 20.50 21.50 20.00 20.50 21.50 20.00 20.50 21.50 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 0052825_2 10.50 20.00 21.50 21.00 21.50	ame: 200528	R2_5, Date:	28-May	-2020, T	lime: 15:	02:56, IC): ST200	528R2_5	5 1613 C	65 19L23	07, Des	cription:	1613 CS	5 19L23	07			
2,2,7,8-TCDF 2,2,566 2,2,566 2,2,566 2,2,566 2,2,566 2,2,566 2,2,566 2,2,567 2,560 2,550 2,500 2,550 2,500 2,550 2,500 2,550 2,500 2,550 2,500 2,																		E1:Voltage SIP
21.5e6 2977084 // 52.504 23.7,8-TCDF 22.50 20.5																		303.90 2.995e+(
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4											2.1	5e6 /\					
2, 2, 7, 8-TCDF 2, 2, 569 2, 2, 569 2, 2, 500 2, 500					1			1	+					••••				F1:Voltage SIR,I
$\frac{2.6566}{36693292}$												2,3,7,8 25	8-TCDF					305.8 3.991e+0
1950 20.00 20.50 21.00 21.50 22.00 22.50 23.00 23.50 24.00 24.50 25.00 26.00 26.50 27.00 27.50 28.00 26.50 27.00 27.50 28.00 26.50 27.00 27.50 28.00 26.50 27.00 27.50 28.00 26.50 27.00 27.50 28.00 26.50 27.00 27.50 28.00 26.50 27.00 27.50 28.00 26.50 27.00 27.50 28.00 26.50 27.00 27.50 28.00 26.50 27.00 27.50 28.00 26.50 27.00 27.50 28.00 26.50 27.00 27.50 28.00 25.50 26.00 26.50 27.00 27.50 28.00 25.50 26.00 26.50 27.00 27.50 28.00 25.50 26.00 26.50 27.00 27.50 28.00 25.50 26.00 26.50 27.00 27.50 28.00 25.50 26.00 26.50 27.00 27.50 28.00 25.50 26.00 26.50 27.00 27.50 28.00 25.50 26.00 26.50 27.00 27.50 28.00 25.50 26.00 26.50 27.00 27.50 28.00 25.50 26.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 28.00 26.50 27.00 27.50 28.00 27.50 27.50 28.00 27.50 27.50 27.50 28.00 27.50 27.50 27.50 28.00 27.50	%-											2.8	5e6 / \					
$\begin{array}{c} 5528R2_{2} 5 \\ & 13C-1,2,3,4-TCDF;24,24;8,17e5;9720106 \\ & 13C-2,3,7,8-TCDF \\ & 25,68 \\ & 8,92e5 \\ & 1.222 \\ & 8,92e5 \\ & 1.225 \\ & 1.225 \\ & 8,92e5 \\ & 1.225$		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
$\begin{array}{c} 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 $	C-2 3 7 8-TO	CDF																
$\begin{array}{c} 25.68\\ 8.92e5\\ 12105466\end{array}$	0528R2_5						130-1.2.3		04 24.8 170	5-9720106		13C-2 3 7 8	-TCDF					F1:Voltage SIR,I 315.94
$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	-						100 1,2,0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	. 1.2 1,0.170)	1	25.68	8 A					1.222e+0
$\begin{array}{c} 13C-1,2,3,4-TCDF;24.24;1.03e6;12371959 \\ 13C-1,2,3,4-TCDF;24.24;1.03e6;12371959 \\ 25.66 \\ 1.598880 \\ 15398880 \\ 15398880 \\ 19.50 \\ 20.00 \\ 20.50 \\ 21.00 \\ 21.50 \\ 21.00 \\ 21.50 \\ 22.00 \\ 22.50 \\ 23.00 \\ 23.50 \\ 24.00 \\ 24.50 \\ 25.50 \\ 25.00 \\ 25.50 \\ 26.00 \\ 26.50 \\ 27.00 \\ 27.50 \\ 28.00 \\ 27.50 \\ 28.00 \\ 28.00 \\ 27.50 \\ 28.00 \\ 28.25 \\ 8.924 \\ 7989 \\ 19.64 \\ 20.09 \\ 19.13 \\ 19.64 \\ 20.09 \\ 24.54 \\ 19.13 \\ 19.14 \\ 21.44 \\ 7989 \\ 24.54 \\ 19.13 \\ 20.22 \\ 7989 \\ 24.54 \\ 19.14 \\ 21.44 \\ 7989 \\ 24.54 \\ 19.14 \\ 20.09 \\ 24.54 \\ 19.14 \\ 20.09 \\ 24.54 \\ 19.14 \\ 20.09 \\ 24.54 \\ 19.14 \\ 20.09 \\ 24.54 \\ 19.14 \\ 20.09 \\ 24.54 \\ 19.14 \\ 20.09 \\ 24.54 \\ 19.14 \\ 20.09 \\ 24.54 \\ 19.14 \\ 20.09 \\ 21.44 \\ 21.44 \\ $	-				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,,,,,,,,,,, ,			<u></u>	121054	66			। 		r
$\begin{array}{c} 25.66 \\ 1.15e6 \\ 15398880 \end{array}$	0528R2_5			·														F1:Voltage SIR,
$\begin{array}{c} & & & & & & & & & & & & & & & & & & &$	Eoc						13C-1,2,3,4	4-TCDF;24	.24;1.03e6	12371959		25.66	Λ					317.9 1.551e+0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1																	
$\begin{array}{c} 5 \\ 5 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$		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
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	°E1																	
24.54 24.54 19.64 20.09 19.13 21.44														26.14	1		27.68	F1:Voltage SIR, 375.83
24.54 	רטי																2.02e2	
											24.54						1000	
19.13 21.44		9.64																
	%1!	20.09			04.44		00.50				l							
$\begin{bmatrix} 19.79 \\ 20.30 & 20.59 & 20.92 \\ 20.30 & 20.59 & 20.92 \\ 21.60 \\ 22.49 \\ 22.59 \\ 22.59 \\ 22.59 \\ 23.94 & 24.25 \\ 23.94 & 24.25 \\ 23.94 & 24.25 \\ 23.94 & 24.25 \\ 23.94 & 24.25 \\ 23.94 & 24.25 \\ 24.69 & 25.14 \\ 25.27 & 25.69 & 25.85 \\ 26.18 \\ 26.47 & 26.83 & 27.43 \\ 26.47 & 26.83 & 27.43 \\ 28.15 & 26.18 \\ 26.47 & 26.83 & 27.43 \\ 28.15 & 26.18 \\ 20.10 & 20.10 \\ 20$	/0	19.79		21		22.05	22.53				101 6	9		5 85 2	6.18			20.2

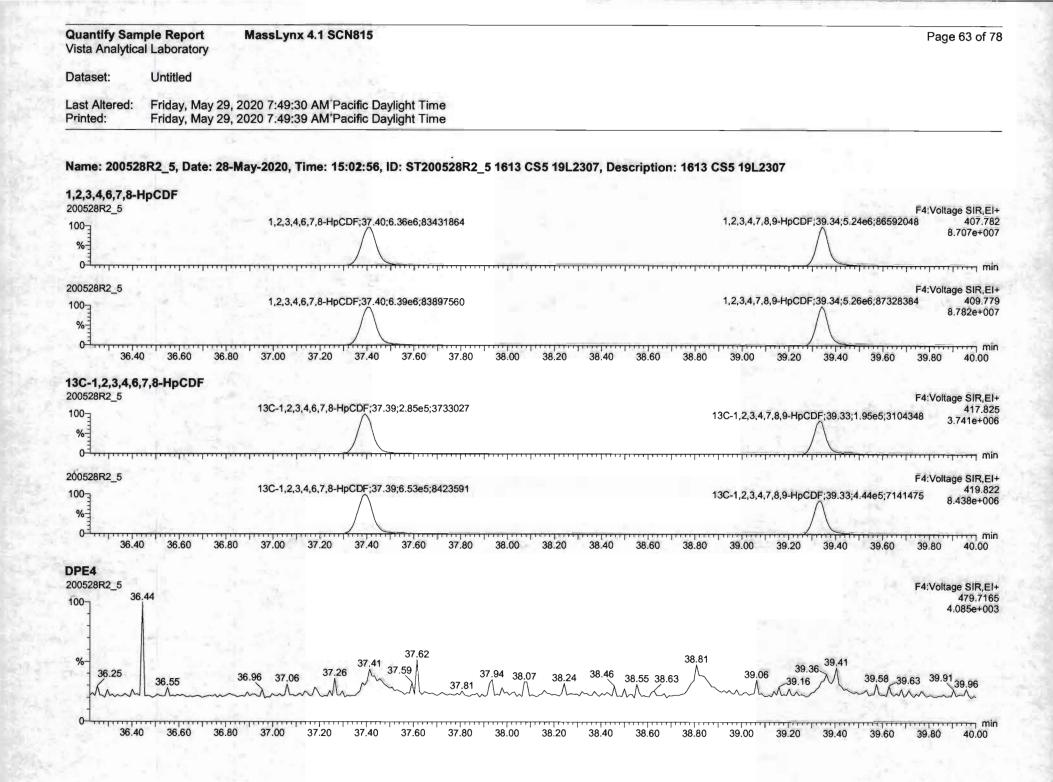


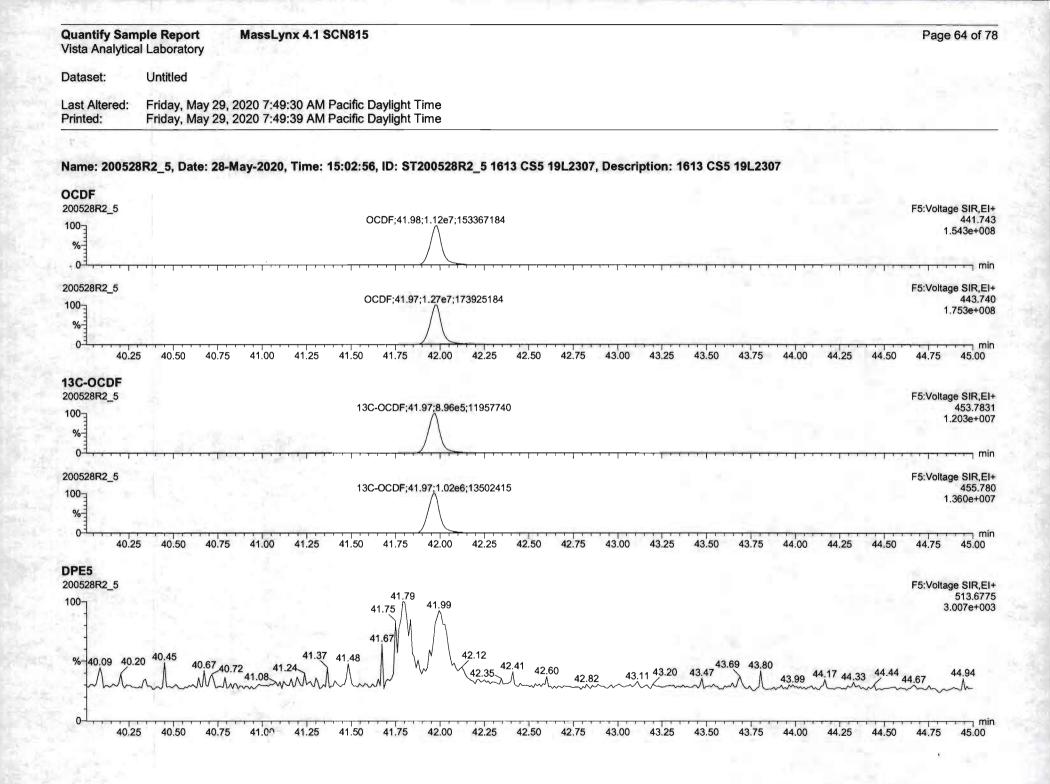
Quantify Sam /ista Analytica			MassLy	nx 4.1 SC	N815									-		Page 61 of 7
ataset:	Untitled															
ast Altered: Printed:	Friday, N Friday, N	May 29, 2 May 29, 2	2020 7:49	:30 AM'Pa :39 AM Pa	cific Dayl	ght Time ght Time										
lame: 200521				1		1	28R2 516		9L2307.	Descripti	on: 1613	CS5 19L2	307			1
,2,3,7,8-PeC									,							
00528R2_5									2	2479 0-0					F2	2:Voltage SIR,E 339.86
100 ₋					1	,2,3,7,8-PeC 30.23			۷,	3,4,7,8-PeC 31.21						2.855e+00
%-						1.44e7	/ \			1.48e7	$\langle \rangle$					
0ª						260013920				284348032						 mi
011111													. , ,			
00528R2_5									0	2 4 7 0 D-C					F2	2:Voltage SIR,E 341.8
100- ₇					1	,2,3,7,8-PeC	DF		Ζ,	3,4,7,8-PeC 31.21						1.864e+00
%						30.23 9.36e6				9.67e6	/ \					What is a line
	. In					170019040				185700144		10 m m	100	3.11		
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
3C-1,2,3,7,8-	PeCDF															
200528R2_5									120.0	479 0-01					F2	2:Voltage SIR,E 351.90
100-					13C-1,	2,3,7,8-PeCl 30.21			130-2,	3,4,7,8-PeCl 31.19						1.939e+00
%						1.09e6	/			1.04e6	/ \					
4	1 Sec. 1.				1	8708914			1	9231522		100		1.00	-	
01			1 1 - 1 - 1 - 1										1.11.1			—————— m
200528R2_5															F2	2:Voltage SIR,E
100-					13C-1,	2,3,7,8-PeCI	DF		13C-2,3	3,4,7,8-PeCl 31.19						353.89 1.233e+00
%						30.21 6.66e5	()			6.48e5						1.2000.00
1						1901737			1	2242805						
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
20.00	20.75	29.00	20.20	20.00	20.10	00.00	00.20	00.00	00.70	01.00	01.20	01.00	01.10	02.00	01.10	02.00
PE2																
00528R2_5															F2	2:Voltage SIR,E
100-1	28.80			29.51							31.	34				409.79 3.033e+00
	-			29.01												0.0000,00
1				A												
1	1			1				30.49				31.53			32.27	
%-	28.72 A A 28.87				.68 29.77 ²			0.41 30.57			1.22 31.27	۸ ۱	31,74	32.0	0	

min 30.75 31.50 31.75 32.00 32.25 28.50 29.50 29.75 30.00 30.25 31.25 32.50 28.75 29.00 29.25 30.50 31.00

0-



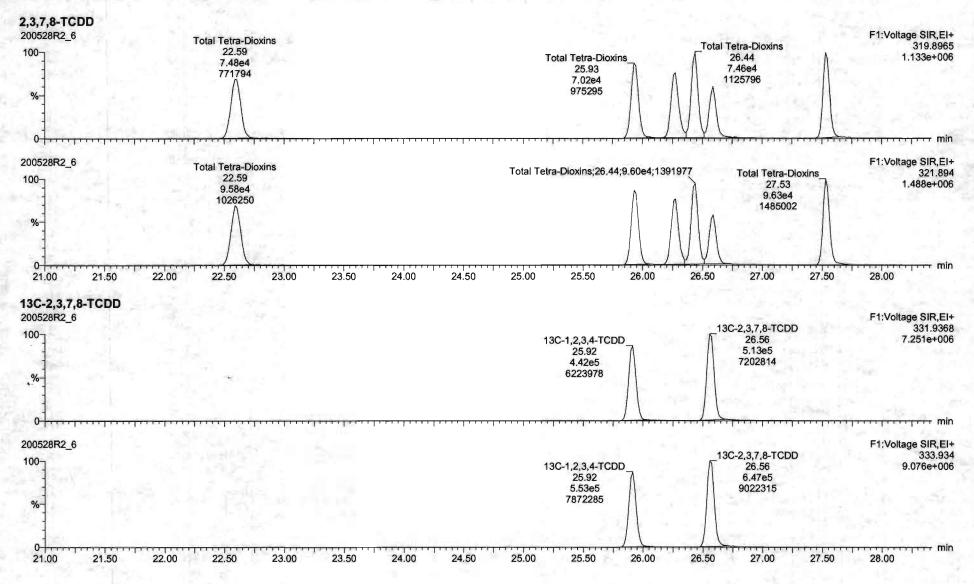




	ort MassLy ory	nx 4.1 SCN815								Page 65 of
ataset: Untitled										
		:30 AM Pacific Dayli :39 AM Pacific Dayli								
ame: 200528R2_5, Da	ate: 28-May-2020,	, Time: 15:02:56, ID	: ST200528R2_	5 1613 CS5 19L2	307, Descriptio	n: 1613 CS5	19L2307			
FK1 0528R2 5										F1:Voltage SIR,
20.02;1.21e4;129914	20.62_20.72	21.4121.54 21.98	22.73;5.70e3;98634	23.74	25.00;1.97e4	220191 25.59	26.14	26.65 26.84	27.56;3.41e	4;368222 316.98
%		anthanthant		and and the second	monado	manter	Sum	maria	mad	<u>1-648e</u> +(
0 ⁻¹	0 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
FK2										manage and
0528R2_5	29.10 29	29.80		30.35 30.47 30.61 30	81 21.05	1.11 31.37 31.4	4 31.8	5;2.50e4;246	305 22.06	F2:Voltage SIR, 32.35 366.97
28.69;1.03e5;664747 28.55 %	29.10 29	0.38 29.42 29.80	30.17	30.3530.47	30.89 31.05			~~~~	32.00	1.5088+(
64, , , , , , , , Fo			, , , , , , , , , , , , , , , , , , , ,							· · · · · · · · · ·
28.50 28.75	29.00 29.25	29.50 29.75	30.00 30.25	5 30.50 30	.75 31.00	31.25 3	1.50 3	1.75 32	.00 32.	25 32.50
-K3										
0528R2 5	32.81;2.76e6;409	32.81;2.76e6;	4090882	34.27 34.40	24 60 34 75	24.05 25	09	35 30	35.60	F3:Voltage SIR, 35.88 380.97
0528R2_5 00_32.81;2.76e6;4090882	32.81;2.76e6;409	32.81;2.76e6;	4090882	34.27 34.40	34.60 34.75	34.95 35	.08	35.39	35.60	F3:Voltage SIR, 35.88 380.97 8.4826+(
0528R2_5 00_32.81;2.76e6;4090882	32.81;2.76e6;409	32.81;2.76e6;	4090882	34.27 34.40	34.60 34.75	34.95 35	.08	35.39	35.60	35.88 380.97
0528R2_5 00_32.81;2.76e6;4090882			4090882	34.27 34.40 34.20 34.40	<u>34.60</u> <u>34.75</u> 34.60 <u>34.8</u>		.08 	<u>35.39</u> 35.40	35.60 35.60	35.88 380.97
0528R2_5 00_32.81;2.76e6;4090882 % 0 										35.88 380.97 8.4826+(35.80 36.00
0528R2_5 00_32.81;2.76e6;4090882 % 0	00 33.20 3		.80 34.00	34.20 34.40		30 35.00		35,40	35.60	35.88 380.97 8.4826+(35.80 36.00 F4:Voltage SIR, 430.97
0528R2_5 00_32.81;2.76e6;4090882 % 0 32.80 33. FK4 00528R2_5 00_36.57;5.38e5;22 00_36.57;5.38e5;22		3.40 33.60 33	.80 34.00	34.20 34.40	34.60 34.6	30 35.00			35.60	35.88 380.97 8.4826+(35.80 36.00 F4:Voltage SIR,
0528R2_5 0 32.81;2.76e6;4090882 % 0 32.80 33. FK4 0528R2_5 0 36.57;5.38e5;22 %	00 33.20 3 295155 36.76 ^{36.90}	3.40 33.60 33 37.33;3.20e5;1628083	37.96;1.	34.20 34.40 54e4;376001 38.18	34.60 34.9 38.32;3.15e4;5244;	30 35.00 22 <u>38.</u> 89	35.20	35.40 39.33 3	35.60	35.88 380.97 8.4826+(35.80 36.00 F4:Voltage SIR, 430.97 6.766e+(
0528R2_5 0-32.81;2.76e6;4090882 % 	00 33.20 3 295155 36.76 ^{36.90}	3.40 33.60 33 37.33;3.20e5;1628083	37.96;1.	34.20 34.40 54e4;376001 38.18	34.60 34.9 38.32;3.15e4;5244;	30 35.00 22 38.89	35.20	35.40 39.33 3	35.60	35.88 380.97 8.4826+(35.80 36.00 F4:Voltage SIR, 430.97 6.766e+(
00528R2_5 00_32.81;2.76e6;4090882 % 0	00 33.20 3 295155 36.76 ^{36.90}	3.40 33.60 33 37.33;3.20e5;1628083	37.96;1.	34.20 34.40 54e4;376001 38.18	34.60 34.4 38.32;3.15e4;5244;	30 35.00 22 38.89	35.20	35.40 39.33 3	35.60	35.88 380.97 8.4826+(35.80 36.00 F4:Voltage SIR, 430.97 6.766e+(
00528R2_5 00_32.81;2.76e6;4090882 % 0	00 33.20 3 295155 36.76 ^{36.90} 36.80 37.00	3.40 33.60 33 37.33;3.20e5;1628083	37.96;1.	34.20 34.40 54e4;376001 38.18	34.60 34.4 38.32;3.15e4;5244;	30 35.00 22 38.89	35.20	35.40 39.33 3	35.60	35.88 380.97 8.4826+(35.80 36.00 F4:Voltage SIR, 430.97 6.766e+(39.80 40.00
32.80 33. FK4 00528R2_5 00 36.57;5.38e5;22 % 0 36.40 36.60 FK5 00528R2_5 40.5 3.776	00 33.20 3 295155 36.76 ^{36.90} 36.80 37.00	3.40 33.60 33 37.33;3.20e5;1628083 37.20 37.40	37.96;1. 37.60 37.80	34.20 34.40 54e4;376001 38.18 38.00 38.20	34.60 34.6 38.32;3.15e4;5244; 38.40 38.60 43.06 43.2	30 35.00 22 38.89 38.80 3	35.20 9.00 3e	35.40 39.33 3 .20 39.40	35.60 39.48 0 39.60	35.88 380.97 8.4826+(35.80 36.00 F4:Voltage SIR, 430.97 6.766e+(39.80 40.00 F5:Voltage SIR,
00528R2_5 00_32.81;2.76e6;4090882 % 0 0 0 32.80 33. FK4 00528R2_5 00 36.57;5.38e5;22 % 0 36.40 36.40 36.60 FK5 00 40.01 7198	00 33.20 3 295155 36.76 ^{36.90} 36.80 37.00	3.40 33.60 33 37.33;3.20e5;1628083	37.96;1. 37.60 37.80	34.20 34.40 54e4;376001 38.18	34.60 34.6 38.32;3.15e4;5244; 38.40 38.60 43.06 43.2	30 35.00 22 38.89 38.80 3	35.20	35.40 39.33 3 .20 39.40	35.60	35.88 380.97 8.4826+(35.80 36.00 F4:Voltage SIR, 430.97 6.766e+(39.80 40.00 F5:Voltage SIR,
00528R2_5 00 32.81;2.76e6;4090882 % 0 0 32.80 33. FK4 00528R2_5 00 36.57;5.38e5;22 % 0 0 36.40 36.40 36.60 FK5 00 3.776 00 3.776 00 3.778 00 3.778 00 1.798 00 1.798 00 1.798 00 1.798 00 1.798 00 1.798 00 1.798 00 1.7988 1.7988 1.4988 1.7	00 33.20 3 295155 36.76 ^{36.90} 36.80 37.00	3.40 33.60 33 37.33;3.20e5;1628083 37.20 37.40	37.96;1. 37.60 37.80	34.20 34.40 54e4;376001 38.18 38.00 38.20	34.60 34.6 38.32;3.15e4;5244; 38.40 38.60 43.06 43.2	30 35.00 22 38.89 38.80 3	35.20 9.00 3e	35.40 39.33 3 .20 39.40	35.60 39.48 0 39.60	35.88 380.97 8.4826+(35.80 36.00 F4:Voltage SIR, 430.97 6.766e+(39.80 40.00 F5:Voltage SIR,

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	

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

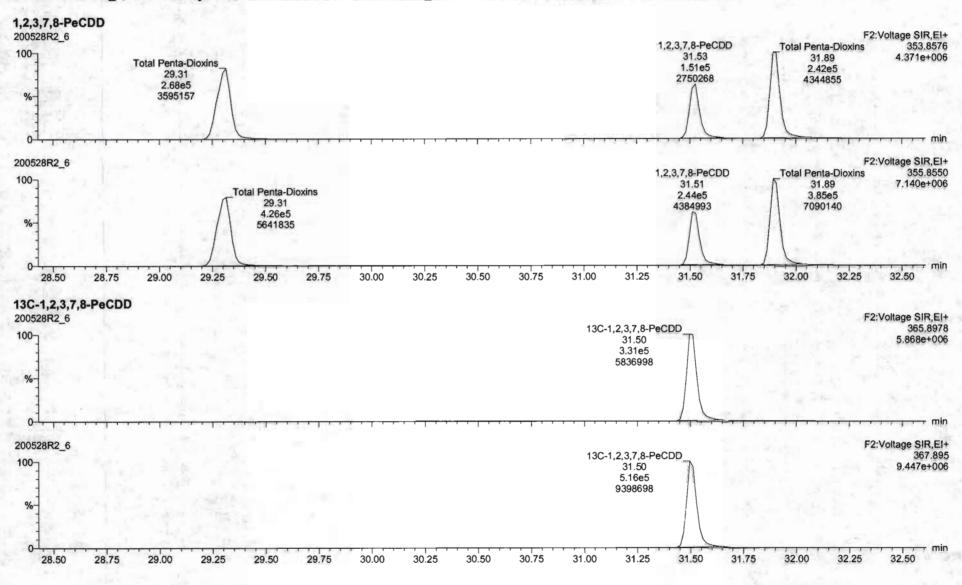


uantify Sam ista Analytica	al Laboratory MassLynx 4.1 SCN815			Page 67 of 7
ataset:	Untitled			
ast Altered: rinted:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time			
00050			1 0005	
ame: 200520 /CI-2,3,7,8-1	8R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST20052	28K2_6 1613 CS3 19L2305, Description: 1613 CS3 19	L2305	
0528R2_6		37CI-2,3,7,8-TCDD		F1:Voltage SIR,E 327.88
		26.59	7	1.656e+00
		1.05e5 1633234		
2.1				
9				
:23				
%-				
1				
-7.				
	Maria Maria			
21.00 2	21.50 22.00 22.50 23.00 23.50 24.	00 24.50 25.00 25.50 26.00 26.5	50 27.00 27.50	28.00
C-1,2,3,4-T	CDD			
0528R2_6				F1:Voltage SIR,E
⁰⁰		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		
1	아이는 지수는 것이 있어?			
0				m
00528R2_6				
00-7			13C-2,3,7,8-TCDD	F1:Voltage SIR,E 333.93
		13C-1,2,3,4-TCDD 25.92 5.53e5	26.56 6.47e5	9.076e+00
0/		5.53e5 7872285	9022315	
%-				
1				
0				mi

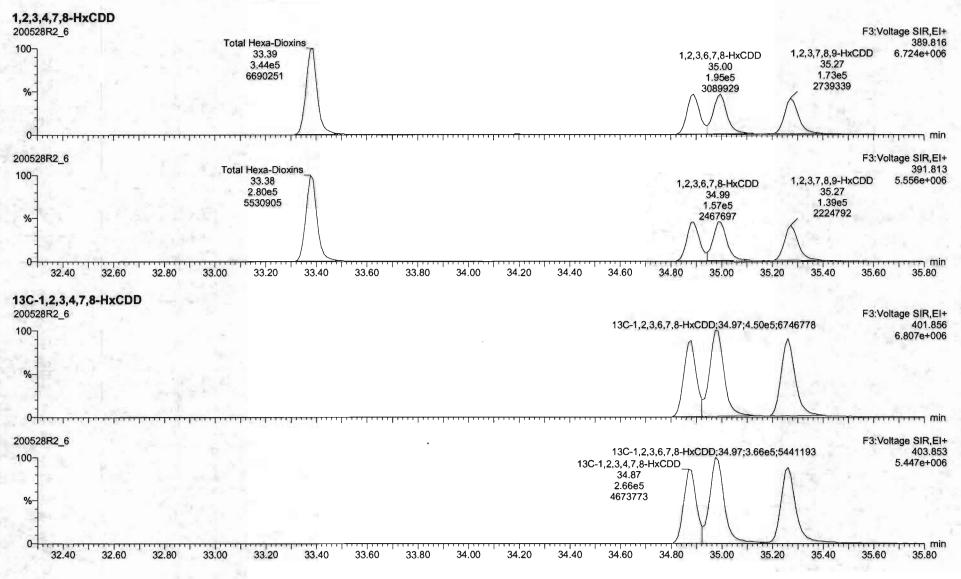
Work Order 2001132

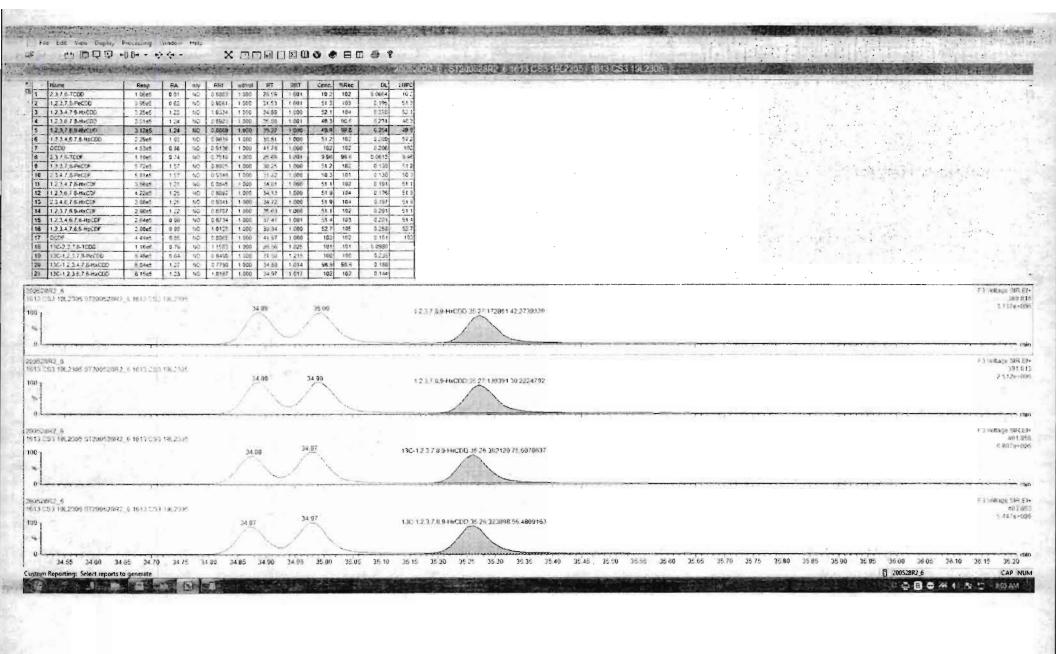
Quantify Sam Vista Analytica		Page 68 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

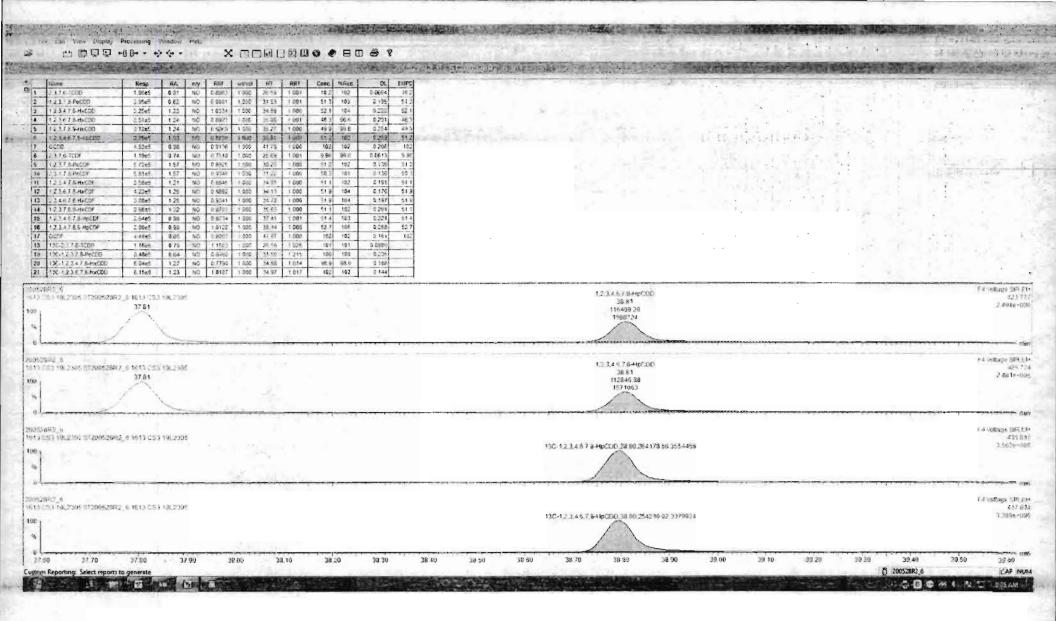


Quantify Sam Vista Analytica		Page 69 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	
Name: 20052	3R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305	



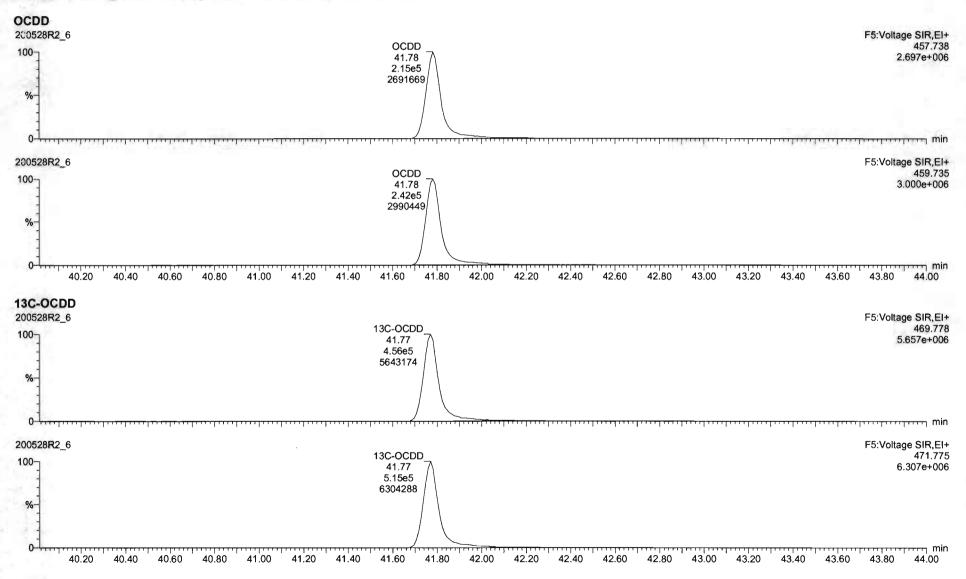


Quantify Sam /ista Analytica	nple Report MassLynx 4.1 al Laboratory	SCN815		Page 70 of
Dataset:	Untitled			
ast Altered: rinted:	Friday, May 29, 2020 7:49:30 Al Friday, May 29, 2020 7:49:39 Al	/I Pacific Daylight Time /I Pacific Daylight Time		
ame: 20052	8R2_6, Date: 28-May-2020, Time	: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2	305, Description: 1613 CS3 19L2305	
2,3,4,6,7,8-	HpCDD			F4:Voltage SIR,E
00 ₇		_Total Hepta-Dioxins √ 37.81	1,2,3,4,6,7,8-HpCDD 38.81 1,2025	423.7 2.494e+0
		/ 1.99e5 2488109	1.20e5 1604261	
%-				
				second and a second
0- ¹	and a second			۳ F4:Voltage SIR,E
00020112_0		Total Hepta-Dioxins √ 37.81	1,2,3,4,6,7,8-HpCDD 38.81	425.7 2.481e+0
-		1.95e5 2474582	1.17e5 1577000	2,1010-0.
%-			\wedge	
0 ¹	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 39.2	n 0 39.40 39.60 39.80 40.00
3C-1,2,3,4,6,				
00528R2_6		1	3C-1,2,3,4,6,7,8-HpCDD_	F4:Voltage SIR,E 435.8
00		'	38.80 2.64e5	3.562e+0
- 1			3554458	
%				
1				1.0123
0			·····	ուրուդուդուդուդուդուդուդուդուդուդուդ
		1	3C-1,2,3,4,6,7,8-HpCDD_	F4:Voltage SIR,E 437.8
			38.80	3.388e+0
			2.04eb	
200528R2_6			2.54e5 3379924	
100			3379924	



Quantify Sam Vista Analytica		Page 71 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_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



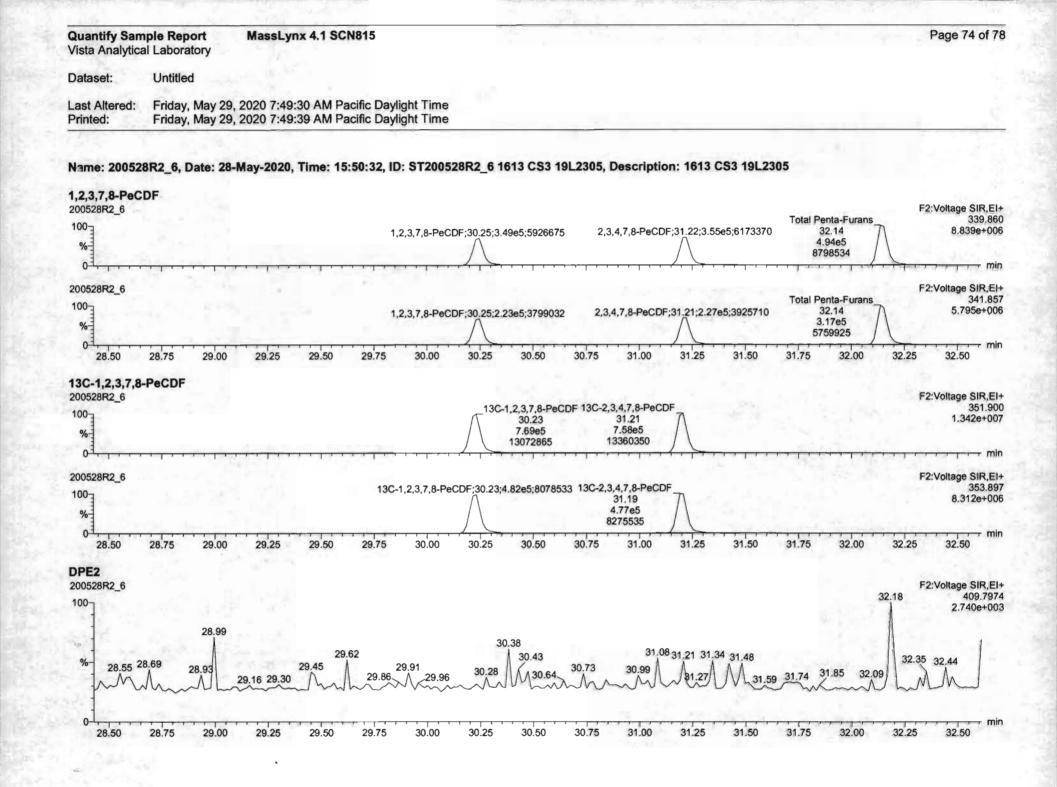
		但其一, 一, 自己通信, 市场, 市场, 市场, 市场, 市场, 市场, 市场, 市场, 市场, 市场		Contraction of the second
·····································				
A my standard structure it was a stand structure	a second s	ST200528R2 6 1613 C93 19L2805 - 1613 C53 19L2305	eredening a strange state of the strange strang	CONTRACTOR NOT
Hame Reap RA 1 2.3.7.8-FCDD 1.06e1 0.81 2 1.2.3.7.8-FeCDD 3.06e1 0.42 3 1.2.3.4.7.8-FeCDD 3.26e1 0.42 4 1.2.3.7.8-FeCDD 3.26e1 1.23 4 1.2.3.7.8-FeCDD 3.26e1 1.23 4 1.2.3.7.8-FeCDD 3.26e1 1.24 5 1.2.3.7.8-FeCDD 3.12e1 1.24 5 1.3.4.7.7.12 20e4 9.2	my FHF webvoil FT INIT Conc. MRec DL EMFC NO 0.658:0 1.000 26:55 1.001 10.2 102 0.064.8 10.7 NO 0.658:0 1.000 26:55 1.001 10.2 102 0.064.8 10.7 NO 1.055 1.50 31.52 1.001 51.3 103 0.195 51.1 NO 1.055 1.00 54.9 1.000 52.1 144 2.226 52.1 NO 0.8027 1.000 35.27 1.001 48.3 96.6 0.221 40.3 VO 0.8056 1.500 35.27 1.000 49.9 96.8 2.254 49.9 VO 0.8057 1.000 35.8 1.000 11.2 12.1 49.9			
7 OCDO 4 53e5 0.88 8 2.3.7.6.*COH 1.99-5 0.74 9 1.3.2.7.8.*COH 5.72e4 1.57 10 2.1.4.7.8.*COH 5.72e4 1.57 11 1.2.3.4.7.8.*PeCDH 5.76e5 1.21 12 1.2.6.7.8.*PeCDH 3.56e5 1.21 12 1.2.6.7.8.*PeCDH 4.22e5 1.25 13 2.3.4.8.7.8.*PeCDH 2.88e5 1.25 14 1.2.3.7.8.8.*PeCDH 2.58e5 1.25	BD 0.9136 1.000 41.76 1.000 1.922 492 0.206 1022 NO 0.7510 1.000 25.69 1.001 3.86 996 0.6613 9.947 NO 0.9527 1.000 25.69 1.001 5.12 1.000 5.12 1.000 5.12 1.000 5.12 1.000 5.12 1.000 5.12 1.000 5.12 1.000 5.12 1.000 5.12 1.000 5.12 1.000 5.13 1.010 5.03 5.03 1.010 5.03 5.03 1.010 5.03 5.			
15 1.2.3.4.7.8.5.H0CDF 2.64ct 0.96 16 1.2.3.4.7.8.5.H0CDF 2.00ef 0.96 17 0.00F 4.44c5 0.36 18 11C-3.1.7.8.H0CDF 1.16e 0.79 19 150-1.2.3.7.8.H0CDF 1.16e 0.79 20 1.2.7.8.H0CDF 8.4ef 0.84 20 1.2.1.2.3.4.H0CDF 8.4ef 0.84 21 1.2.1.2.3.4.F.8.H0CDF 6.04ef 1.27 24 1.3C-4.2.3.8.F.8.H0CDF 6.15ef 1.23	MO 0.4K/34 1.000 37.41 1.001 01.4 103 2.221 5.1.4 MO 1.012 1.000 39.34 1.000 52.7 166 0.055 55.7 MO 1.0245 1.000 39.34 1.000 52.7 166 0.055 55.7 MO 1.1567 1.000 38.34 1.000 162 1.61 102 NO 1.1567 1.000 38.16 1.026 102 1.61 102 NO 1.1569 1.000 38.16 1.225 101 168 0.0000 NO 1.7560 1.000 34.85 1.014 36.9 98.6 9.180 NO 0.7766 1.000 34.97 1.017 162 1.42 1.44			
20092842_6 1612 (SJ 1947246 0120062842_4 1613 (SJ 194210 190 4 0	0GDD(41 78 212160 51 2691604	**************************************		64 mean 38.51. 459.738 3.547e-856
2005/3552_0 1011 001 10(2305 5120552597)_6 1611 053 19(230 1990 19	0CDD.4178.240829 to 2991615			(5 wita)# Sinc En- 459 759 ⊇ 903++805
20092462_5 1613 CS1 14L2355 ST20092982_5 1613 CS3 19L230 100 5	35 1 gC OCOD (41, 77 456524, 75,5643) 17 4			P5 totage SIR,EH 4/(9,775) 5,652e+000
2010520FC_6 (613)C513 TAL2205 07260620FR2_6 1613 C53 16L220 160 16	95 100-00002 41 27 5151924 59/6784298			7.5 vetsge 585.24 373 775 9.307e-005
40.50 40.40 40.60 Custom Reporting: Select reports to generate	40.20 41.00 41.20 41.40 41.50 41.80 42.00	42.26 42.40 42.60 42.80 43.00 43.20	43,40 42.60 53.80 44.00 44.20 54.50 54.50 10 20052382,6 10 ∰ 13 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CAP NUM

and a second

100

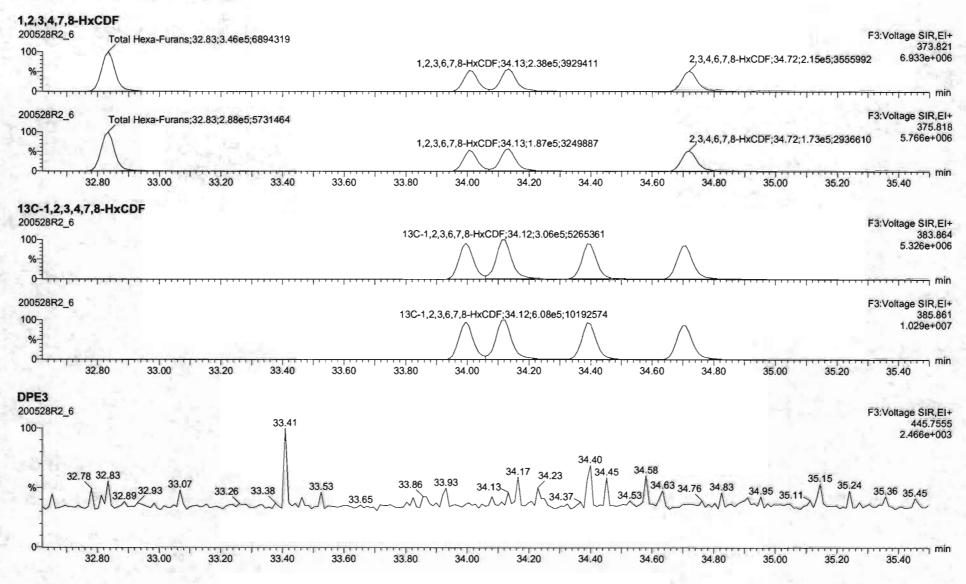
rista Analytica	al Laboratory	MassLynx 4.1 SCN815	5						Page 72 of
Dataset:	Untitled								
ast Altered: Printed:		020 7:49:30 AM Pacific 020 7:49:39 AM Pacific							
Jame: 200529	0D2 6 Data: 29 Ma		12 ID. 6720052902	6 1642 062 401 2	DAE Deer		202 401 0205		100
ame: 200528		ay-2020, Time: 15:50:3	52, ID: 51200528R2_	0 1013 CS3 1922.	303, Desc		53 19L2305		
200528R2_6		La Martin						Total Tetra-Furar	F1:Voltage SIR,E
100 то %-	otal Tetra-Furans;20.44;9).88e4;1188908				2,3,7,8-TCDF;25	.69;5.05e4;7047	27.68	1.458e+0
0 ⁴ ,,1,,1,			huduuhuntuuhu						·/···
200528R2_6		No. 2 Sugar					8-TCDF 5.69	Total Tetra-Furar	F1:Voltage SIR,E 305.8
100 То %	otal Tetra-Furans;20.44;1	1.36e5;1633132				6.8	83e4 7821 ∕\	27.68 1.38e5 1966824	1.973e+0
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 27.9	50 28.00
	0.0.5								
3C-2,3,7,8-TO	CDF								F1:Voltage SIR,E
			13C-1,2,3,4-TCDF;2	24.24:6.51e5:7650581		13C-2,3,7,8-TCDF_			315.94
100-j						25.68	λ		
100					1	25.68 6.93e5	Λ		9.711e+0
-					<u></u>	25.68	<u></u>		9.711e+0
°					<u>_</u>	25.68 6.93e5	<u>,</u>		9.711e+0
%			13C-1,2,3,4-TCDF;	24.24;8.41e5;9931030	1	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF	<u>,</u>		9.711e+0
%- 0			13C-1,2,3,4-TCDF;		1	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF_ 25.68 8.95e5	Λ		
% 0 200528R2_6				24.24;8.41e5;9931030	$\frac{1}{1}$	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF_ 25.68 8.95e5 12087343	<u>\</u>		9.711e+0
% 0 200528R2_6					1	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF_ 25.68 8.95e5	26.00 2		9.711e+0 n F1:Voltage SIR,I 317.9 1.217e+0
% 0 200528R2_6 100 % 0 	50 20.00 20.50			24.24;8.41e5;9931030	$\frac{1}{1}$	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF_ 25.68 8.95e5 12087343	26.00 2		9.711e+0
% 0 200528R2_6 100 % 19.5 200528R2_6				24.24;8.41e5;9931030	$\frac{1}{1}$	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF_ 25.68 8.95e5 12087343	26.00	4 1 2 hr	9.711e+0
% 0 200528R2_6 100 % 0 				24.24;8.41e5;9931030	24.50	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF_ 25.68 8.95e5 12087343	26.00 2	26.69	9.711e+0 F1:Voltage SIR,E 317.9 1.217e+0 50 28.00 F1:Voltage SIR,E 375.83
% 0 200528R2_6 100 % 19.5 200528R2_6				24.24;8.41e5;9931030	24.50	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF_ 25.68 8.95e5 12087343 25.00 25.50		26,69	9.711e+0 F1:Voltage SIR,E 317.9 1.217e+0 50 28.00 F1:Voltage SIR,E 375.83
% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				24.24;8.41e5;9931030	24.50	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF_ 25.68 8.95e5 12087343 25.00 25.50	26,3	26.69	9.711e+0
% 0 200528R2_6 100 % 19.5 200528R2_6	50 20.00 20.50 20.35 20.58	9 21.54	.00 22.50 23.00	24.24;8.41e5;9931030 	24.50	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF_ 25.68 8.95e5 12087343 25.00 25.50	26.3	26,69	9.711e+0
% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				24.24;8.41e5;9931030 	24.50	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF_ 25.68 8.95e5 12087343 25.00 25.50	26.3 25.85 26.11	26.69	9.711e+0
% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20.35 20.58	9 21.54	.00 22.50 23.00	24.24;8.41e5;9931030 	24.69	25.68 6.93e5 9628105 13C-2,3,7,8-TCDF_ 25.68 8.95e5 12087343 25.00 25.50	26.3 25.85 26.11	26.69 95 26.65 27.25 27	9.711e+0

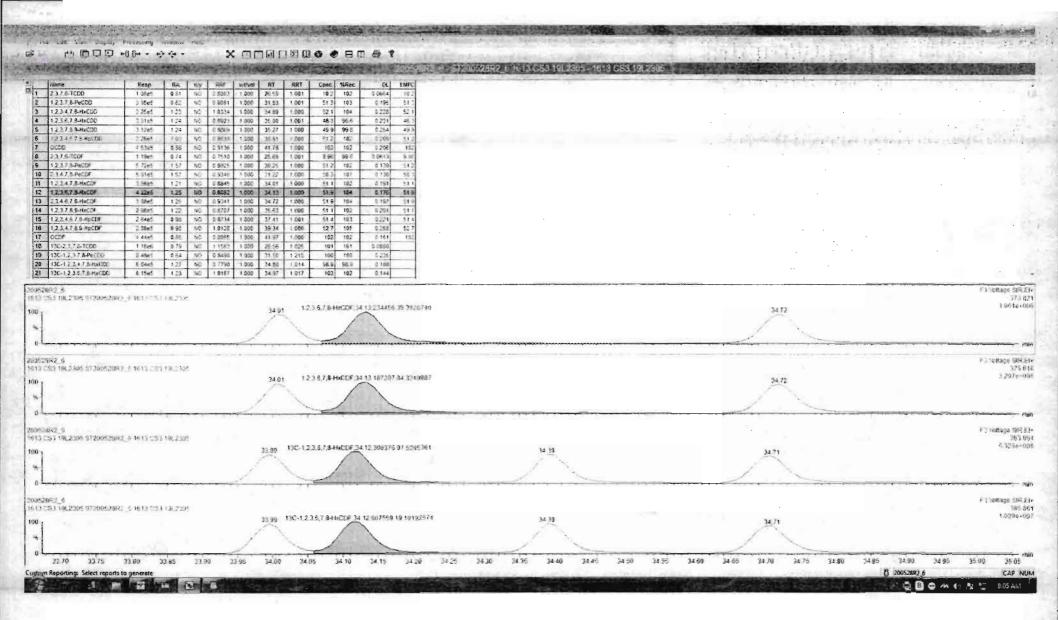
	ple Report MassLynx 4.1 SCN815 Il Laboratory		Page 73 of 7
ataset:	Untitled		
st Altered: inted:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight T Friday, May 29, 2020 7:49:39 AM Pacific Daylight T	Time Time	
33.5			
ime: 200528	3R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST2	200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305	
t Func. Pen	ta-Furans		
0528R2_6		27	
1			9.545e+00
%-			1.1.1
1			1.1.1.1.6
<u>, t., ., ., ., ., .</u> ,			
528R2_6			F1:Voltage SIR,E
о _Д		27.	.64 341.88 6.034e+00
-			
%-			16.1
1			1
0 ¹	0 20.00 20.50 21.00 21.50 22.00 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 m
	0 20.00 20.50 21.00 21.50 22.00 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
26 0528R2_6			F1:Voltage SIR,E
0 ₇		26.84	409.79 6.500e+00
1.1		24.76	0.0000.00
1			
13			
-			
%-			27.94
	19,99	^{26.35} _{26.65}	
19.01		23.16 25.44 25.87 27.01 27.47	27.91
19.30 19	58 20.32 ^{20.45} 21.04 21.35 ^{21.48} 22.02 2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	27.74 28.35
hum	Mm Mr Marken like har when MM	and a show when a show the show of the show of the show t	Mullin

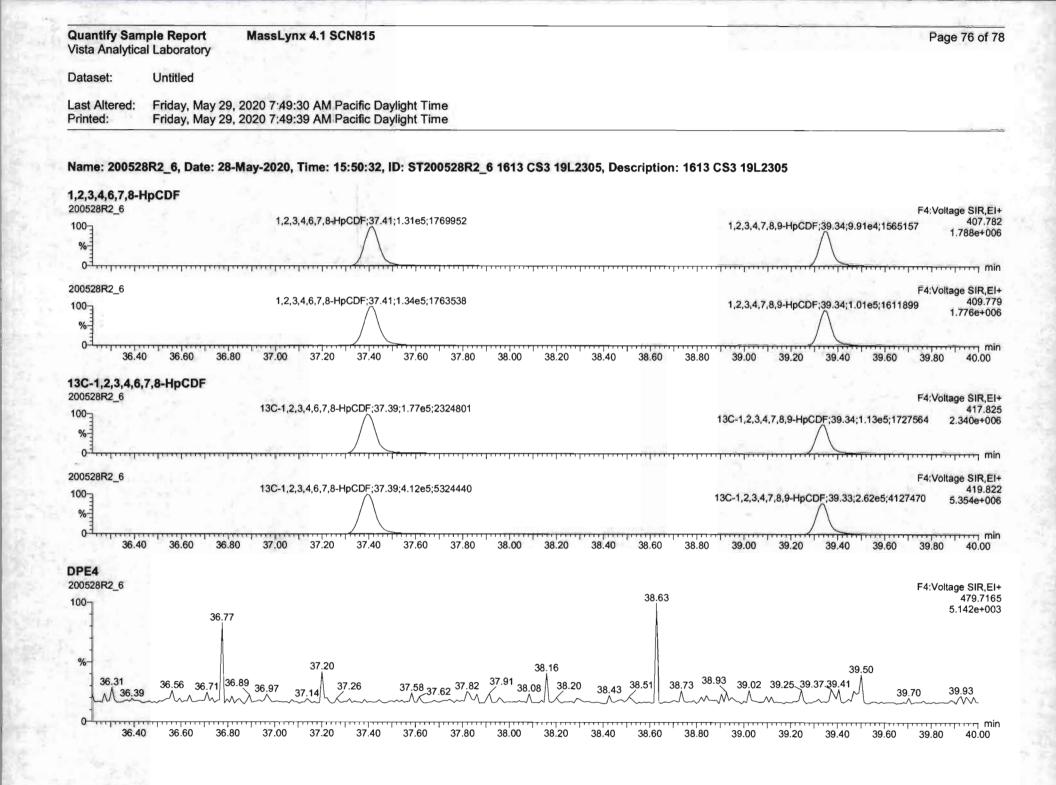


Quantify Sam Vista Analytica		Page 75 of 78
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time	

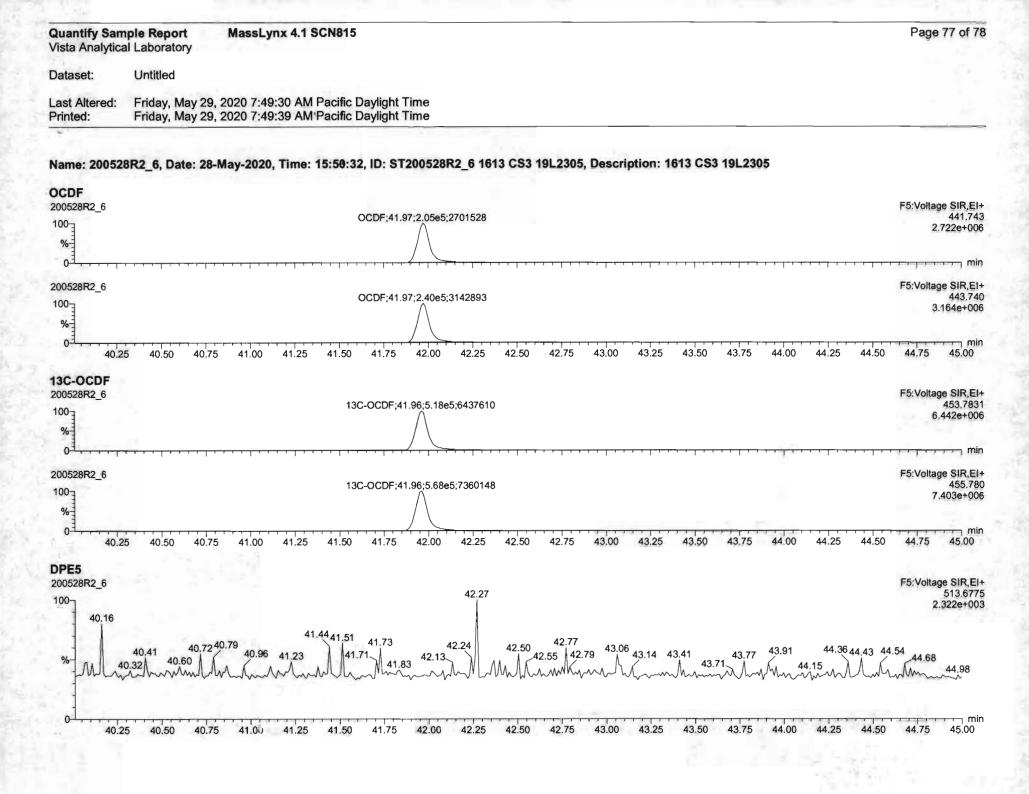
Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305







Work Order 2001132



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 💭

	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>33.71</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;5.05 032.82;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 00528R2_6 0032.82;5.05 033.624 035.84 05	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

and the second	# Name	Resp	RA	n/y	RRF	wt/voi	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	
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	
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	1
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	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	1.0
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	1
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	
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	
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	

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

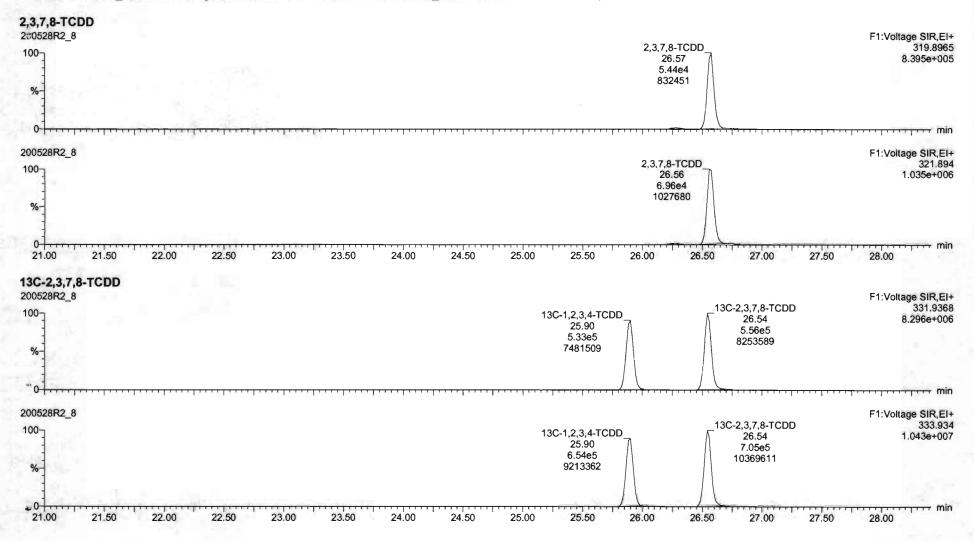
Dataset: U:\VG12.PRO\Results\200528R2\200528R2-8.qld

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	

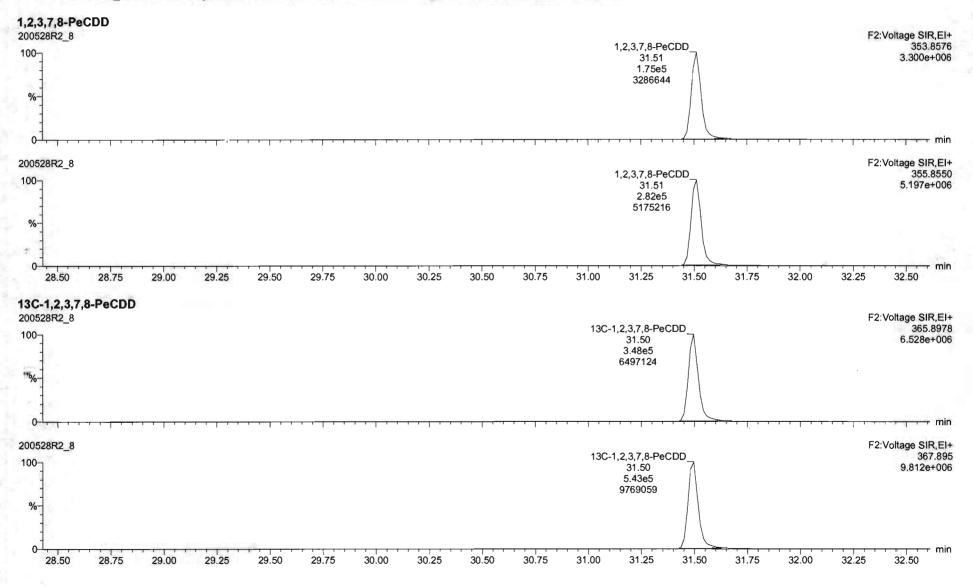
Quantify San Vista Analytica		Page 1 of 13
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:38:11 AM Pacific Daylight Time Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time	

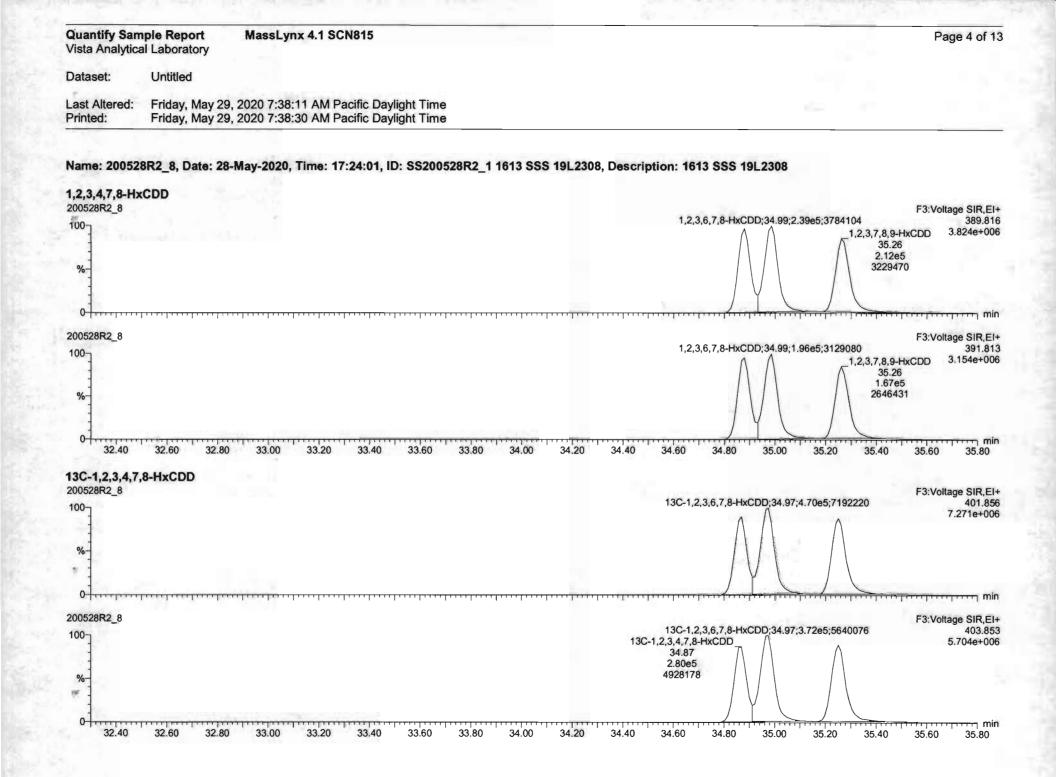
Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08



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 Section	F1:Voltage SIR,E
1007			37Cl-2,3,7 26.	.57	327.84 1.944e+00
1000			1.28	8e5	
1 C				and the second sec	
%-					
1.50					
12. 10					
er -		- R			
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 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		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 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 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 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 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	

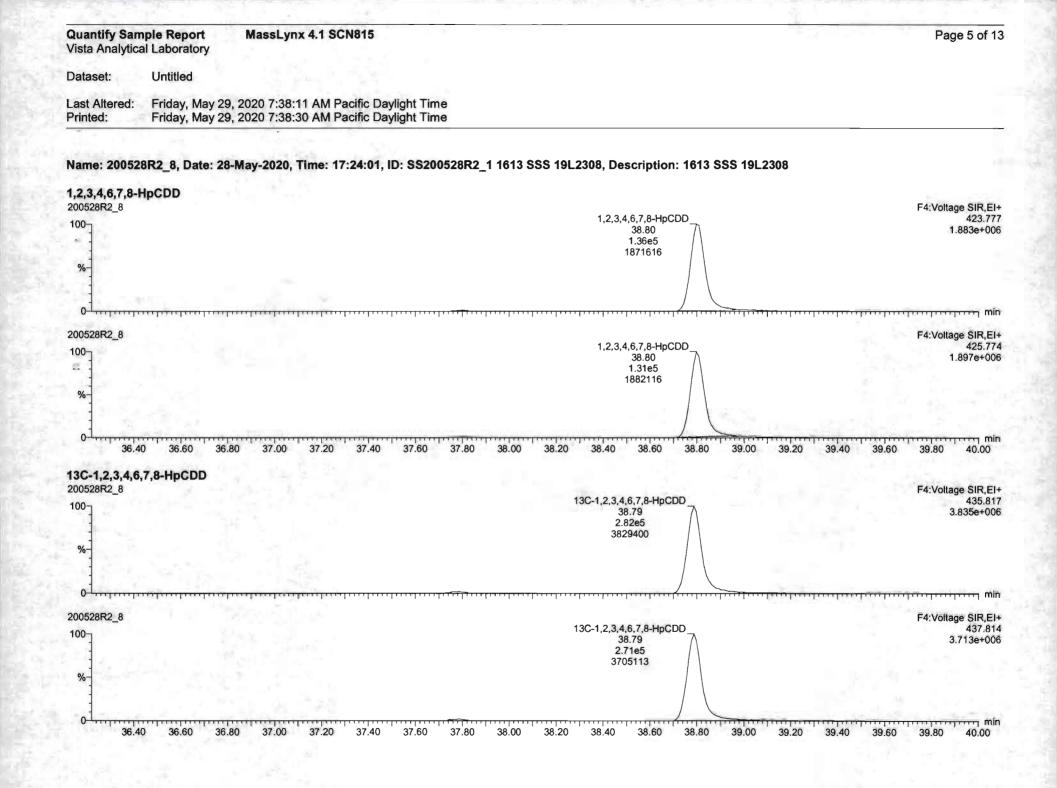




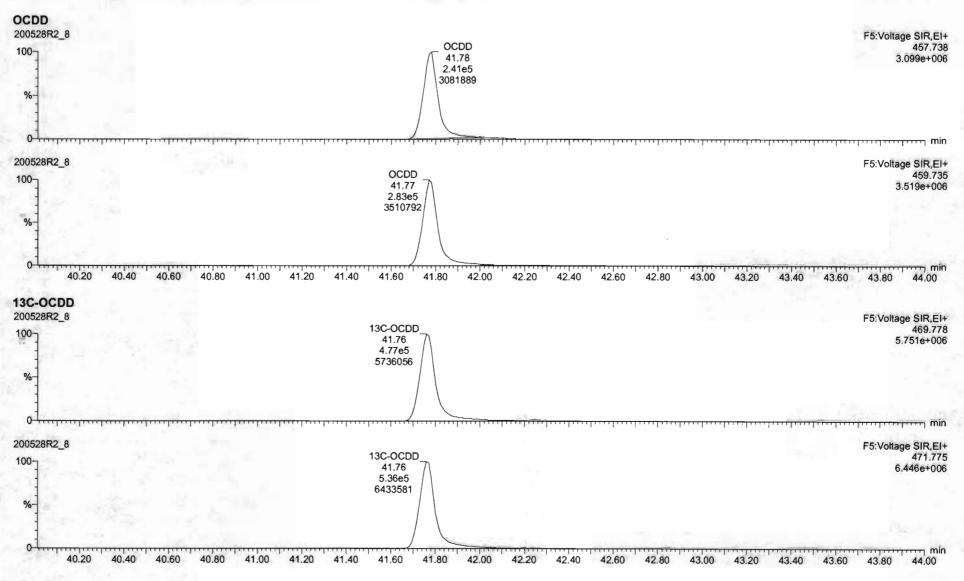
Work Order 2001132

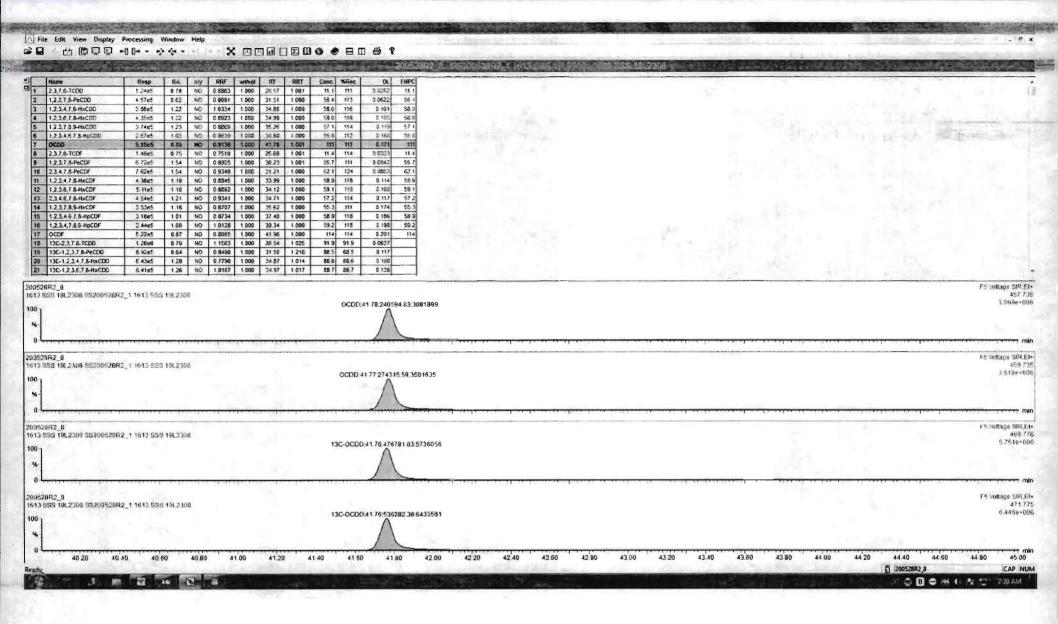
19L2308 - 1813 SSS 19L2308	
1.2.3.7.8.944NCDD 35.26 34.88 34.99 206713.00 32.19912	F 31x0fage Sin Er- 388 a15 3 \$24e+005
12378946000 3526 3488 3499 16744955 2646431	F3 Vottage SiR 19 39 19 13 3 154e+005
34,87 34,97 13C-1,2,3,7,8,9+HC	F3 voltage SBR2 B4 401,856 401,856 300:35 25:408792 22.6262647 7 271e-006
34.87 34.97 13C-1.2.3.7.8.9+hc	F 3 \othage SIR.EI- 403.053 D0.35 25.329930 78 5028975 5.704e-005
	12.3.7.8.9440CD0 35.26 34.88 24.99 2319912 34.88 34.99 34.89 34.99 34.83 34.99 34.83 34.99 34.83 34.99 34.83 34.99 34.83 34.99 34.83 34.97 35.26454.31 36.12.1.7.8.9440CD 36.26 34.84 34.95 26454.31 34.97 3

3

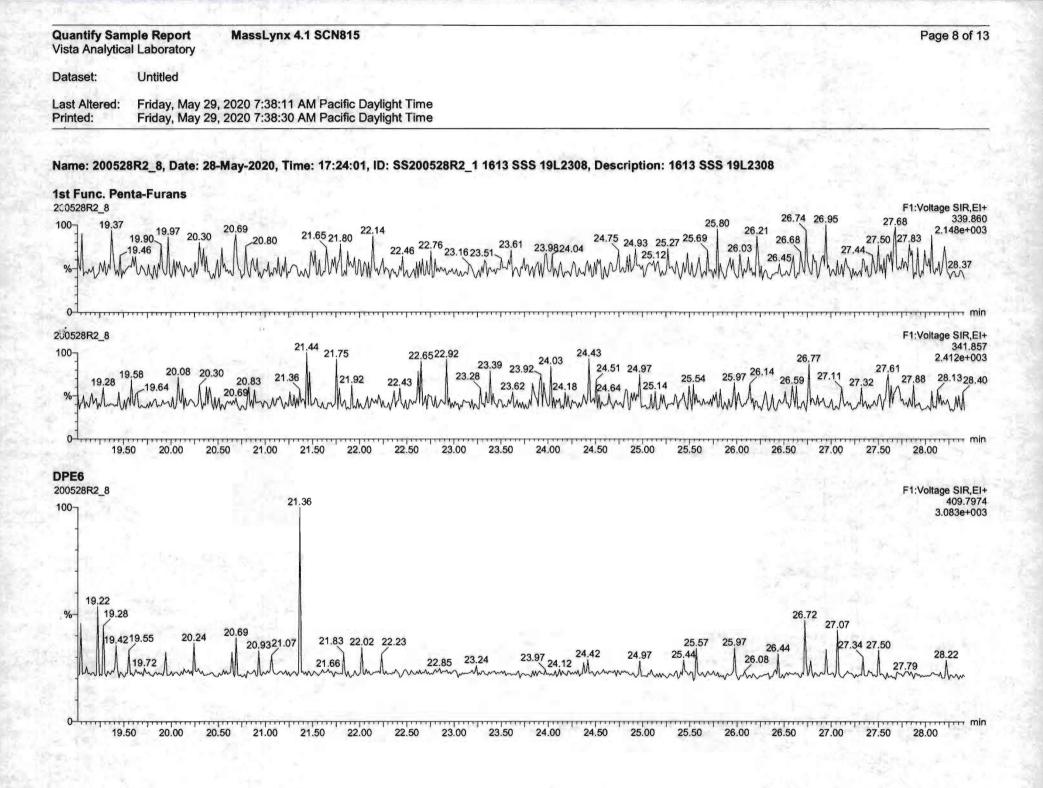


Quantify San Vista Analytica		Page 6 of 13
Dataset:	Untitled	
Last Altered: Printed:	Friday, May 29, 2020 7:38:11 AM Pacific Daylight Friday, May 29, 2020 7:38:30 AM Pacific Daylight	

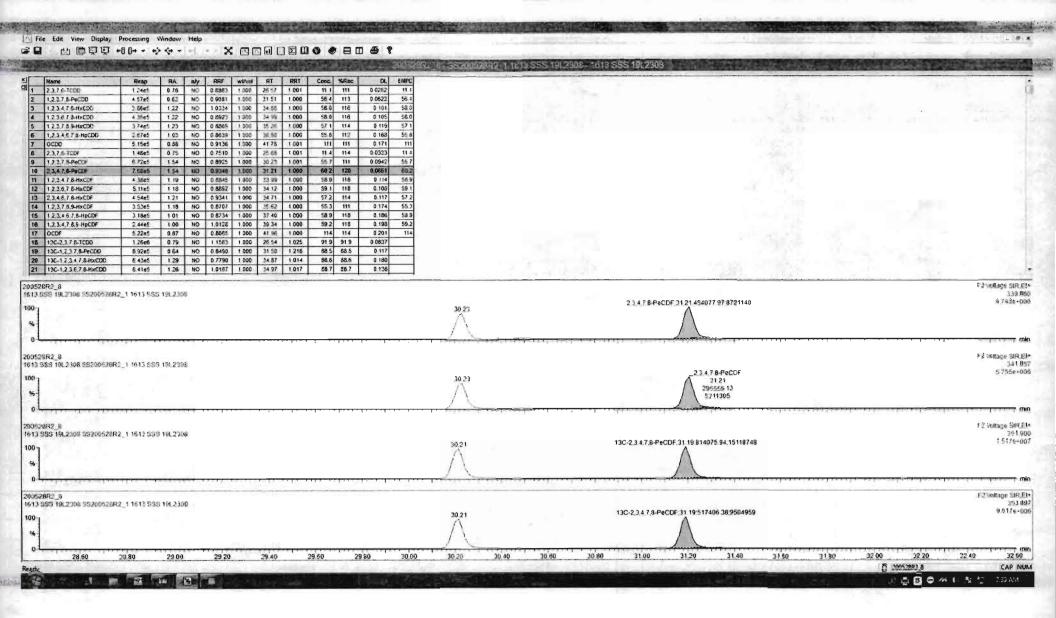


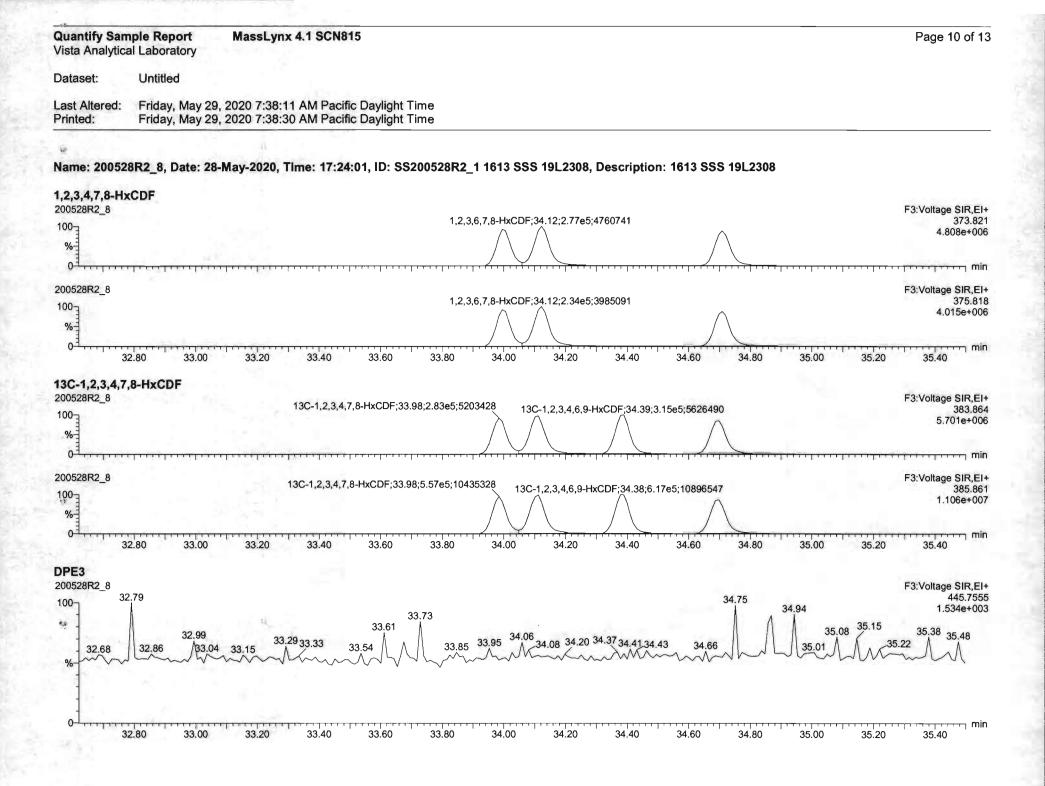


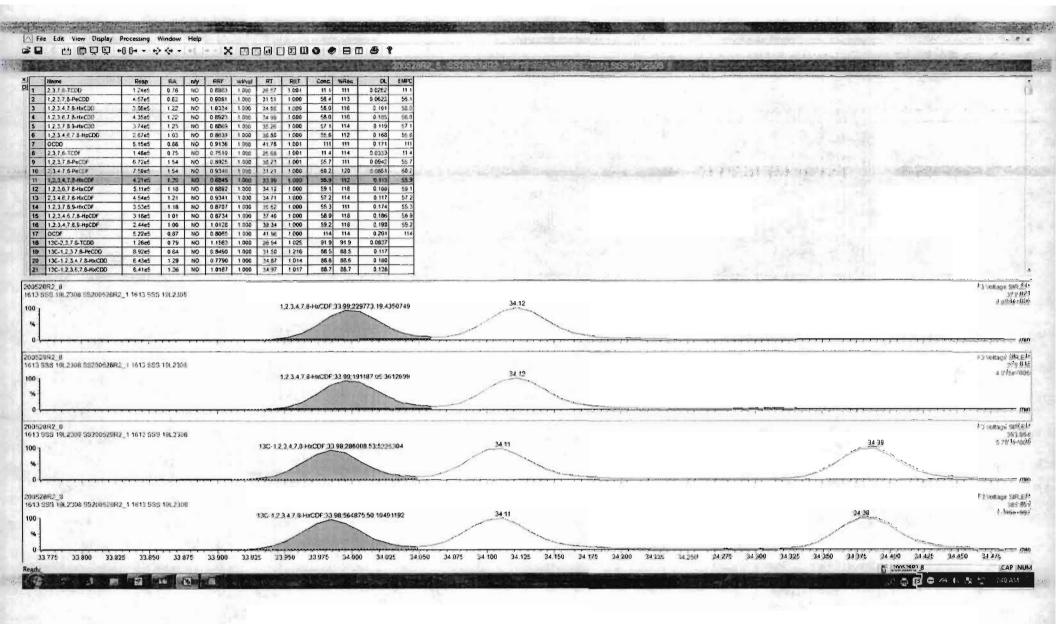
ista Analytica	nple Report MassLynx 4.1 SCN815 al Laboratory	;		Page 7 of
ataset:	Untitled			
ast Altered: rinted:	Friday, May 29, 2020 7:38:11 AM Pacific Friday, May 29, 2020 7:38:30 AM Pacific			
integ.	111day, May 23, 2020 1.00.00 / Will doing	Duyight Time		
ame: 20052	8R2_8, Date: 28-May-2020, Time: 17:24:0	01, ID: SS200528R2_1 1613 SSS 19L2308, Description	n: 1613 SSS 19L2308	
3,7,8-TCDF	승규는 것이 같이 많이			F1:Voltage SIR,E
00-]			7,8-TCDF 25.68	303.90 9.043e+0
%		6	5.35e4 197654	
0528R2_8	environmente entre de la contra d			F1:Voltage SIR,E
E-00			7,8-TCDF 25.68 /\	305.8 1.201e+0
%			3.44e4 / 189668 /	
3 C-2,3,7,8-T 0528R2_8 %-	CDF	13C-1,2,3,4-TCDF13C-2,3,7 24.22 25. 7.94e5 7.54 9427791 10024	65 1e5	F1:Voltage SIR, 315.94 1.010e+0
				۲۰۰۰۲۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰
0				
		13C-1,2,3,4-TCDF;24.22;1.00e6;11919795 13C-2,3,7 25.	65 ∧	317.9 1.313e+0
0528R2_8		100 2,0,1	65 5e5	
0528R2_8	50 20.00 20.50 21.00 21.50 22	25, 9.75	65 5e5 7504	1.313e+0
0528R2_8 00 % 		25. 9.75 13033	65 5e5 7504	1.313e+0
00528R2_8 0 	21.10	25. 9.75 13033	65 5e5 7504	1.313e+0 קיייקיייקיייקיייקיייקיייקיייקיייקיייקי
0528R2_8 0 PE1 0528R2_8 0 19.10 19.10 19.10	21.10 9.45 20.02 20.86	23.79 22.43 23.79 22.43	65 5e5 7504 25.50 26.00 26	1.313e+0 5.50 27.00 27.50 28.00 F1:Voltage SIR,E 375.83 2.097e+0 26.65 57 27.35 27.59 28.20
0528R2_8 0 	9.45	23.79 22.43 23.79 22.43	65 5e5 7504 25.50 26.00 26	1.313e+0
0528R2_8 0 PE1 0528R2_8 0 19.10 19.10 19.10	21.10 9.45 20.02 20.86 20.48 20.69 21.26 21.75 ²²	23.79 22.43 23.79 22.43	65 5e 7504 25.50 26.00 26	1.313e+0 1.313e+0 1.313e+0 1.313e+0 F1:Voltage SIR,E 375.83 2.097e+0 26.65 57 27.35 27.59 28.20 1.313e+0 28.16



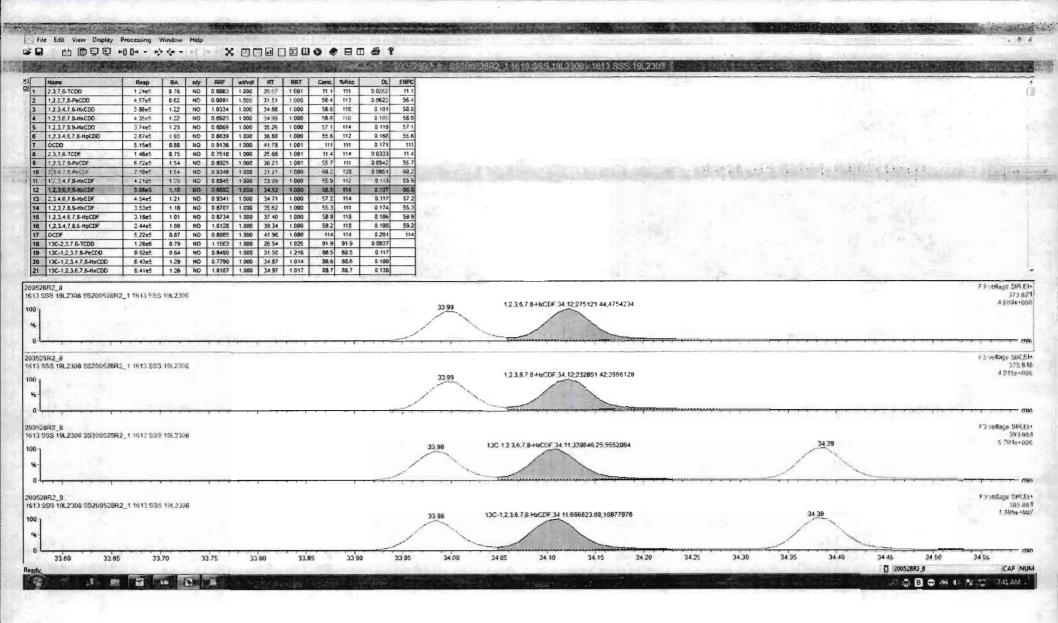
/ista Analytica	nple Repo al Laborate		MassLyr	1x 4.1 SC	N815									6		Page 9 of 1
Dataset:	Untitled															
ast Altered: Printed:			2020 7:38: 2020 7:38:													
lame: 200528 ,2,3,7,8-PeCl		ate: 28-N	lay-2020,	Time: 17	':2 4 :01, II	D: SS2005	28R2_1 1	613 SSS ⁻	19L2308,	Descripti	on: 1613 \$	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				- 			\bigwedge	· · · · · · ·	1	31.19 8.04e5	<u> </u>		•••••••••			351.9 1.517e+0
% 0 0 528R2_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		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 28.50 0 28.50 0 28.50 0 28.50 0 28.50 0 28.50	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





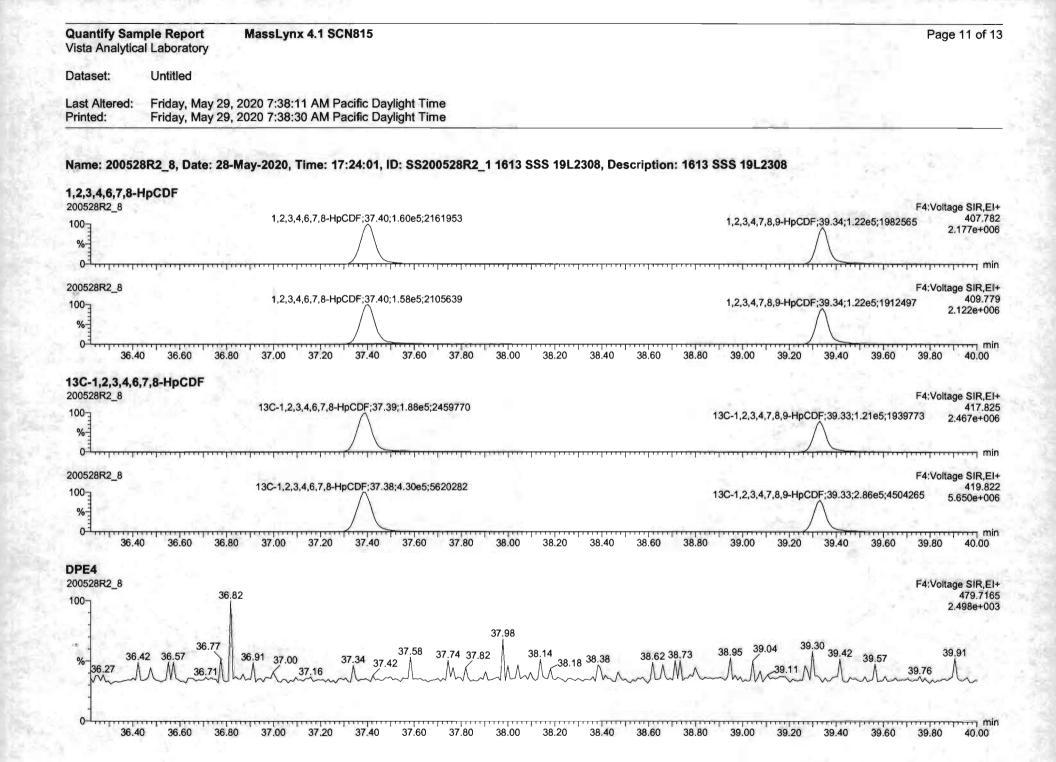


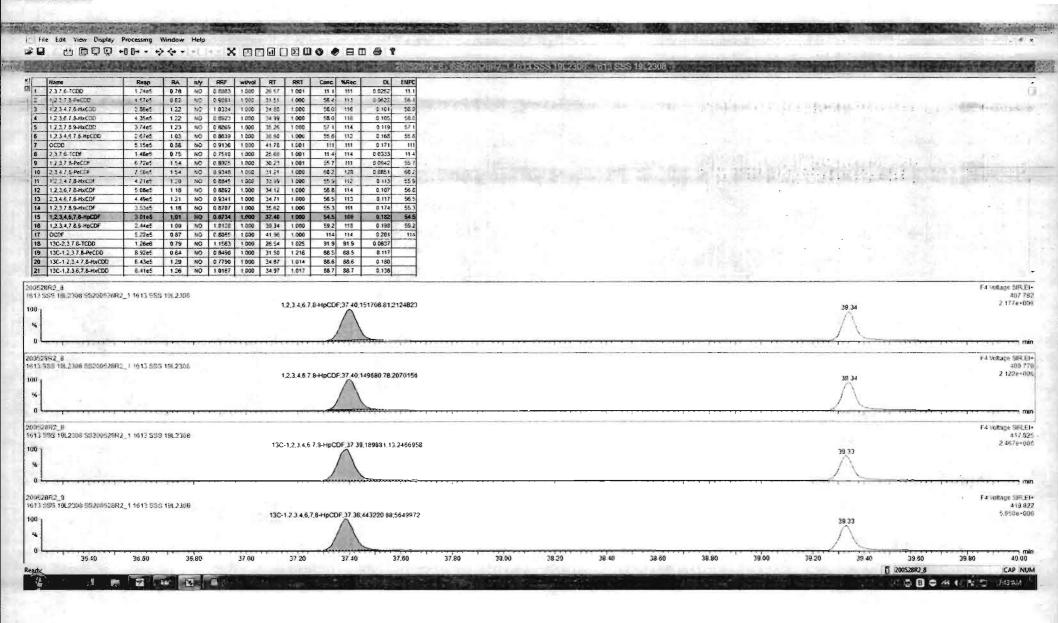
Work Order 2001132

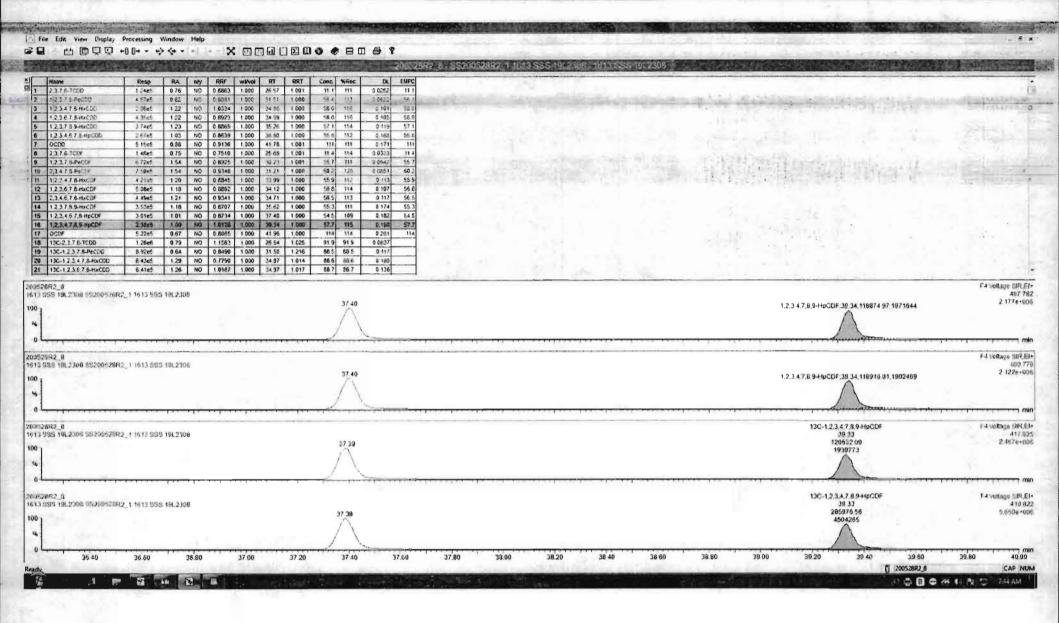


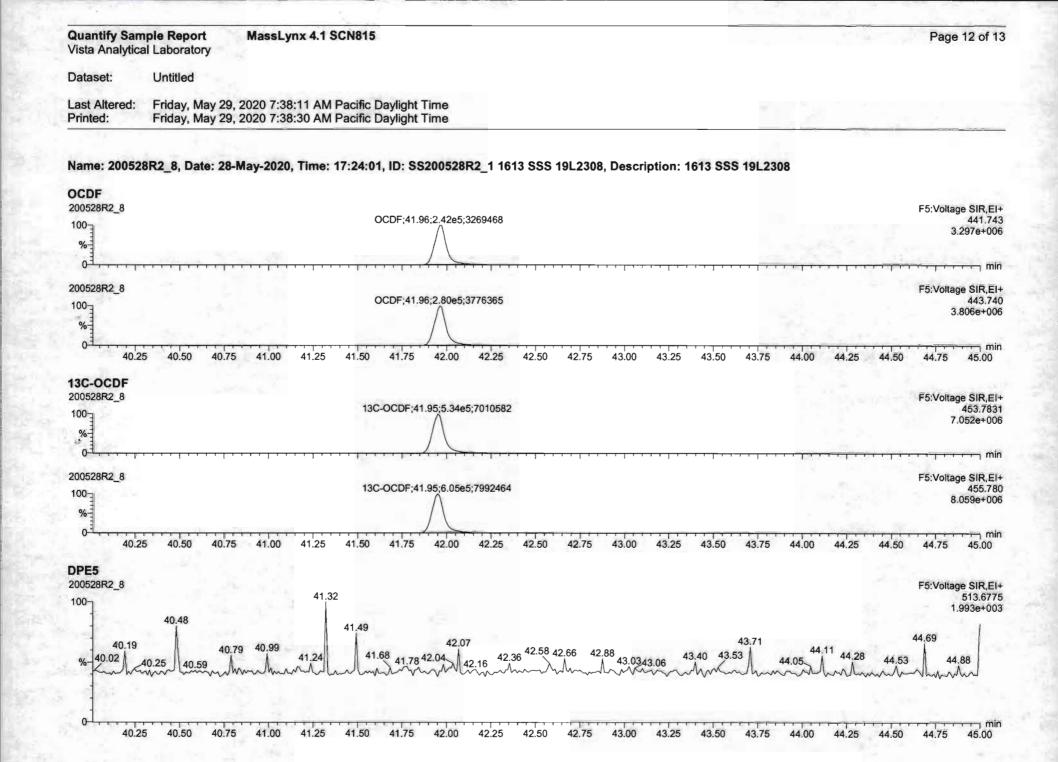
File Edit View Display		2000 * C 0 & ?			- A
的目的是自己的问题。	医神经后外神经神经治疗治疗学习的	201520R2 8-050	0052852 1 053 555 10 2509 1813 355 1912008	自己的保存的问题和实际的问题。	
Mame 1 2.3.7.6-TCOD 2 1.2.3.7.8-PECDD 3 1.2.3.4.7.6-MLCDD 3 1.2.3.4.7.6-MLCDD 4 1.2.3.8.7.8-MLCDD 4 1.2.3.8.7.8-MLCDD 5 1.2.3.7.8-MLCDD 5 1.2.3.7.8-MLCDD 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 55.9 112 0.13 55.5 1000 55.8 114 0.107 56.5 1000 55.8 114 0.107 56.5 1000 55.3 111 8.174 55.3 1000 55.3 118 0.198 58.9 1000 55.3 118 0.198 58.2 1000 55.2 118 0.198 58.9 1000 144 114 9.201 114 1025 91.9 91.9 0.0637 114 126 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 55.9 112 0.13 55.5 1000 55.8 114 0.107 56.5 1000 55.8 114 0.107 56.5 1000 55.3 111 8.174 55.3 1000 55.3 118 0.198 58.9 1000 55.3 118 0.198 58.2 1000 55.2 118 0.198 58.9 1000 144 114 9.201 114 1025 91.9 91.9 0.0637 114 126 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 393.994 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

Work Order 2001132









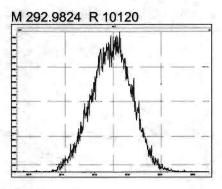
sta Analytic	al Laboratory MassLynx 4.1 SCN815 Page 13 c
ataset:	Untitled
st Altered: inted:	Friday, May 29, 2020 7:38:11 AM′Pacific Daylight Time Friday, May 29, 2020 7:38:30 AM′Pacific Daylight Time
	, , , , , , , , , , , , , , , , , , ,
	000 0 Deter 00 Mar 0000 Times 47-04-04 ID: 000000000 4 4040 000 401 0000 December 4042 000 401 0000
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)0-]	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 27.5227.79 316. 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 26.30 26.48 26.95 27.5227.79 316.
= pm	man and the second seco
%	
0 ¹ ,,1,,1 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
K2 0528R2_8	F2:Voltage SIF
0-1	28 96:1 51e5:344216 29.22 20 72 29.71 20 05 30.03 30.34 30.61;2.46e4;205747 20 92 21 09 31.18 21 40 31.60 21 07 22 24 32 37 32 41 366.
1	29.53 29.57 20.11 29.50
-	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
28.50 K3 0528R2_8	
28.50 K3 0528R2_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 F3:Voltage SII 33.71;1.68e5;1568872 34.44:1.49e5:1167734 24.72
K3 0528R2_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 F3:Voltage SII 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.683e
K3 0528R2_8 032.63	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 F3:Voltage SII 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.683e
28.50 K3 0528R2_8 0 32.63 	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 F3:Voltage SII 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.683e 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.
28.50 K3 0528R2_8 0 32.63 0 32.63 K4 0528R2_8 K4 0528R2_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 F3:Voltage SII 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 35.54 35.85 8.68ae 30.033.00 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. 36 73:6 18e5:2379396 37.94 38.28 co.40 39.85;2.18e5;1332689 39.60 F4:Voltage SII 38.28 co.40 39.85;2.18e5;1332689 39.60 430.
28.50 K3 0528R2_8 0 32.63 	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 F3:Voltage SII 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.683e 4.683e F3:Voltage SII 30.00 33.20 33.40 33.60 33.80 34.00 34.20 34.40 34.40 34.60 34.80 35.00 35.20 35.20 35.40 35.60 35.60 35.80 35
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 K4 0528R2_8 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 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 0 36.22 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K4 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K5 K	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 F3:Voltage SII 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 35.54 35.85 8.68ae 30.033.00 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. 36 73:6 18e5:2379396 37.94 38.28 co.40 39.85;2.18e5;1332689 39.60 F4:Voltage SII 38.28 co.40 39.85;2.18e5;1332689 39.60 430.
28.50 FK3 00528R2_8 00 32.63 0 32.63 0 32.63 FK4 00528R2_8 0 32.63 0 36.22 0 0 0 0 0 0 0 0 0 0 0 0 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 32.50 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.683e 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. 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 39.60 430. 6.367e
28.50 K3 0528R2_8 0 32.63 K4 0528R2_8 0 K4 0528R2_8 0 K4 0528R2_8 0 36.22 6 6 6 6 6 6 6 6	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 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.683e 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. 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 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430, 6.3672;0.18e5;2379396 37.17 37.55 37.84 38.28 38.40 38.55 38.87;3.35e4;428701 39.55 38.55 38.87;3.35e4;428701 39.55 38.55 38.87;3.35e4;428701 39.55 38.55 38.55 38.55 38.55 38.55 38.55 38.55 38.55 38.55 38.55 38.55 38.55 38.55 38.55 38.55 38.55
28.50 FK3 0528R2_8 0 32.63 0 32.63 FK4 0528R2_8 0 36.22 0 36.42 FK5	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 F3:Voltage SII 33.12;8.10e5;3029193 33.71;1.68e5;1568872 34.44;1.49e5;1167734 34.72 35.11 35.54 35.85 8.683e 60 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 36.83e 90 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 36.9 90 33.00 33.20 33.40 33.60 34.20 34.40 34.60 34.80 35.00 35.20 35.40 35.60 35.80 36.60 36.60 36.87;3.35e4;428701 39.35;2.18e5;1332689 39.60 430.6;38.60 38.60 38.80 39.00 39.20 39.40 39.60 39.80 40.6;38.60
28.50 FK3 0528R2_8 0 32.63 % 0 36.22 0 36.22 0 36.42 8 0 36.42 36.4 36.42 36.4 36.42 36.4 36.42 36.4 36.42 36.444 36.444 37.444 37.4	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
28.50 K3 0528R2_8 0 32.63 K4 0528R2_8 0 36.22 K4 0 36.22 K5 0528R2_8 0 36.4 K5 0528R2_8	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
K3 28.50 K3 0528R2_8 0 32.63 0 33.63 0 33.63 0 36.22 0 36.42 0 37.44 1 1 1 1 1 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

MassLynx 4.1 SCN815

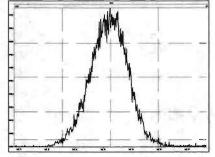
Page 1 of 1

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

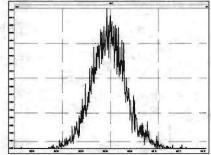
Printed: Friday, May 29, 2020 07:19:01 Pacific Daylight Time

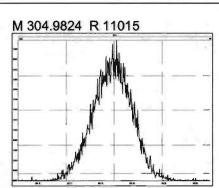


M 342.9792 R 11107

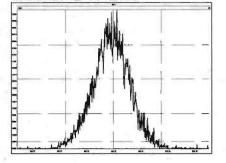


M 392.9760 R 13589

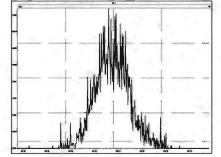


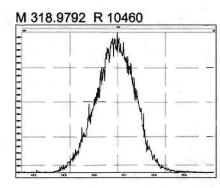


M 354.9792 R 12193

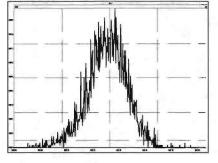


M 404.9760 R 14045

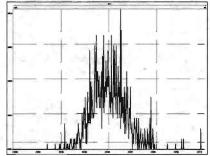


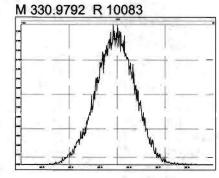


M 366.9792 R 12311

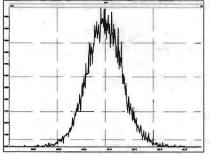


M 416.9760 R 18245





M 380.9760 R 11904

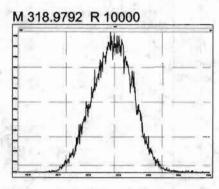


MassLynx 4.1 SCN815

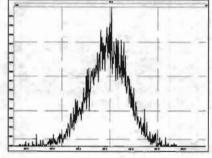
Page 1 of 1

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

Printed: Friday, May 29, 2020 07:19:21 Pacific Daylight Time

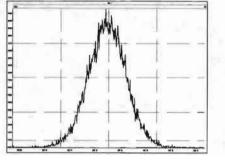


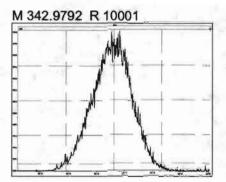
M 366.9792 R 11015



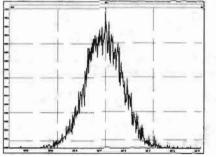
M 330.9792 R 10372

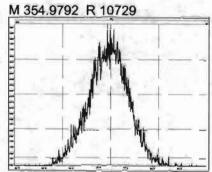
M 380.9760 R 11009

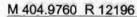


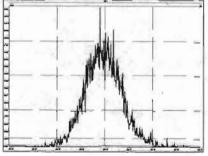


M 392.9760 R 11735

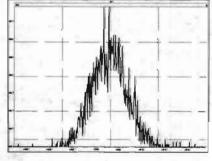








M 416.9760 R 14968

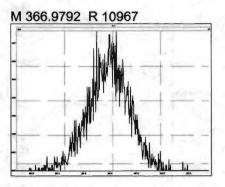


MassLynx 4.1 SCN815

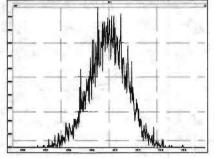
Page 1 of 1

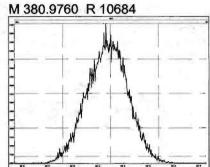
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:38 Pacific Daylight Time

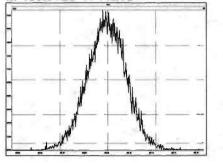


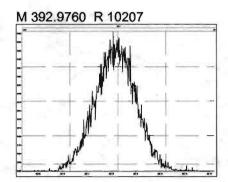
M 416.9760 R 11160

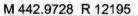


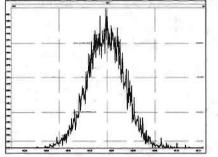


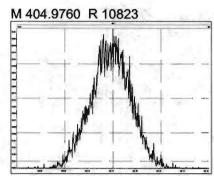
M 430.9728 R 11208

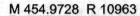


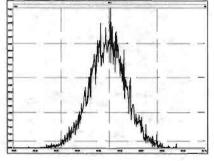










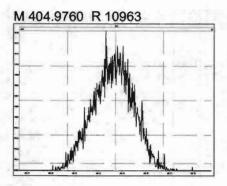


MassLynx 4.1 SCN815

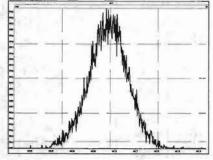
Page 1 of 1

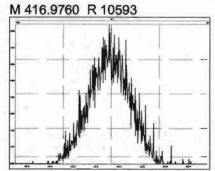
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:53 Pacific Daylight Time

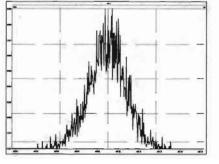


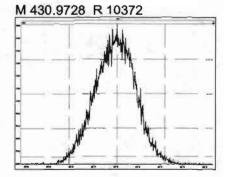
M 454.9728 R 11792





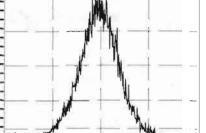
M 466.9728 R 12628





M 442.9728 R 10727

M 480.9696 R 11111

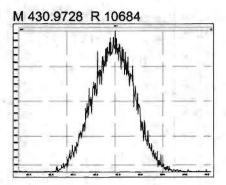


MassLynx 4.1 SCN815

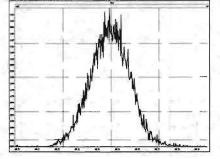
Page 1 of 1

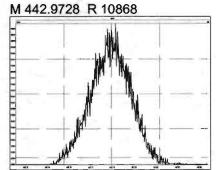
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:20:18 Pacific Daylight Time

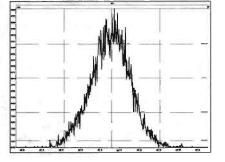


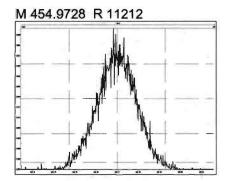
M 480.9696 R 10963



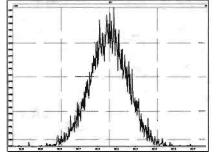


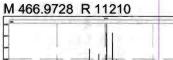
M 492.9696 R 10593

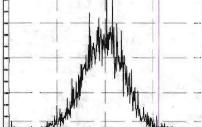




M 504.9696 R 11681







M 516.9697 R 11905

